

# **ANNUAL REPORT**

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## **2019-2020**



### **THE GANDHIGRAM RURAL INSTITUTE (DEEMED TO BE UNIVERSITY)**

**Ministry of Education (Shiksha Mantralaya), Govt. of India  
Accredited with 'A' Grade by NAAC (3<sup>rd</sup> Cycle)  
Gandhigram – 624 302, Dindigul District, Tamil Nadu**

**THE GANDHIGRAM RURAL INSTITUTE**  
(DEEMED TO BE UNIVERSITY)  
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Gandhigram – 624 302, Dindigul District, Tamil Nadu

## **ANNUAL REPORT**



**July 2019 – June 2020**





## ***Vision***

*Promotion of a casteless and classless society through instruction, research and extension*

## ***Mission***

*Providing knowledge support to the rural sector to usher in a self-reliant, self-sufficient and self-governed society*

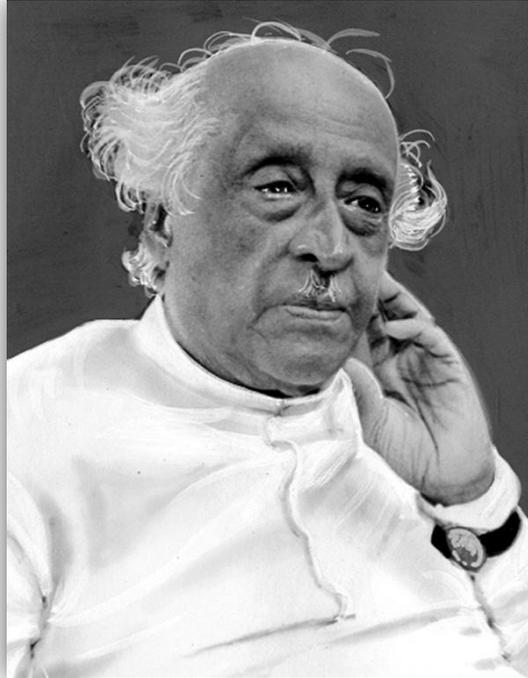
**REGISTRAR**  
Gandhigram Rural Institute  
(Deemed to be University)  
Gandhigram - 624 302.  
Dindigul Dist, Tamilnadu.



## Our Founders



**Dr. T.S. SOUNDARAM**  
(18.08.1904 – 21.10.1984)



**Dr.G. RAMACHANDRAN**  
(07.10.1904 – 17.01.1995)



## COMPOSITION OF GRI SOCIETY

|  |               |
|--|---------------|
| <b>SHRI. RAMESH POKHRIYAL 'NISHANK'</b><br>Hon'ble Minister of Human Resource Development                            | Chairman      |
| <b>SHRI. DHOTRE SANJAY SHAMRAO</b><br>Hon'ble Minister of State for Human Resource Development<br>(Higher Education) | Vice-Chairman |
| Hon'ble Minister of State for Human Resource Development<br>(School Education & Literacy)                            | Vice-Chairman |
| <b>SHRI. AMIT KHARE, I.A.S.,</b><br>Secretary (Higher Education)   | Member        |
| <b>PROF. D.P.SINGH</b><br>Chairman, UGC  | Member        |
| <b>MS. DARSHANA M.DABRAL</b><br>Joint Secretary & Financial Advisor  | Member        |
| <b>SHRI. SANJAY KUMAR SINHA, IFS.,</b><br>Joint Secretary (Management & ICR))  | Convener      |
| <b>DR. KM. ANNAMALAI</b><br>Chancellor, GRI  | Member        |
| <b>Vice-Chancellor</b><br>Gandhigram Rural Institute<br>Gandhigram   | Member        |



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# **Chancellor**



**Dr. KM. Annamalai**



## **Vice-Chancellor i/c**



**Dr. M. Sundaravadivelu**

(23.05.2019 – 30.06.2020)



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competent graduates to meet the demands for human resources in educational, industrial, research and development and social service sectors. The institute offers mandatory value-based courses on “Gandhi’s Life, Thought and Work” and “Gandhi in Everyday Life” in order to implant Gandhian values in the younger generation.

During 2019-2020, GRI offered 18 M.Phil. programmes (one year), One PG (3 years), 20 PG (2 years), 6 PG Diploma (one year), 2 Five-year Integrated, 5 UG (4 years), 12 UG (3 years), 8 B.Voc. programmes (3 years), 4 Diploma (2 years), One Diploma Programme (one year), 2 D.Voc. Programmes (1 year), and One Certificate Course apart from B.Ed. and M.Ed. Programmes. The Institute follows the Choice Based Credit System (CBCS) regulations of the UGC. Out of the 1155 students who appeared for the End Semester Examinations, 1023 students passed, constituting a pass percentage of 88. The number of Ph.D. degrees awarded during the year was 75. The institute has been following the semester examination pattern since 1976. The Choice Based Credit System (CBCS) is in practice since 1996.

During the period under report, the following new programmes were started:

- **PG Diploma Programmes (Two Semesters)**
  1. P.G. Diploma in Epigraphy
  2. P.G. Diploma in Sustainable Social Development
- **Under Graduate Programmes (Six Semesters)**
  1. B.A. Economics
  2. B.Sc. Computer Science
  3. B.Sc. Microbiology

### Admission

Gandhigram Rural Institute adopted online admission system and was able to reach graduating aspirants from across the country and beyond, during 2019-2020. The number of applications received through online registration was 29318 against which 1706 students were admitted to various academic programmes offered during the year. As in the previous years, female students have outnumbered male students. The admitted strength of female and male students is 886 and 820 respectively. Though the majority of enrolled students are from Tamil Nadu, GRI has also attracted students from other states of India, namely the Kerala, Manipur, Andhra Pradesh, Orissa, Uttar Pradesh and Telengana. The enrolment for M.Phil. and Ph.D. programmes was 66 and 94 respectively. GRI follows the reservation policy of the Government of India as well as the norms laid by UGC. Admissions are strictly based on merit.

### Funded Research Projects

Funded projects are a functional entity of the research culture and climate of a higher educational institution. The faculty members of GRI submitted 75 project proposals to funding agencies, namely, UGC, DST, CSIR, ISRO, BRNS, IRMA, ICSSR, RGNID, DRDO, DBT, ICMR, PCRA, KSCSTE, NISE, AICTE, MNRE, NBHM and State Planning Commission, Tamil Nadu with a total budget outlay of Rs. 28.89 crores. A sum of Rs. 3.04 crores have been received during the period under report.

At the department level, six departments have received funds under UGC-SAP and four departments under DST-FIST (Level I & II).

### Conferences / Workshops / Seminars Organized

Being a vibrant educational and research hub, GRI regularly organizes a number of programmes to create platforms for knowledge sharing and dissemination on the latest trends and technologies. During the year under report, 83 International / National / State / Regional / University level Programmes were organized viz., 5 International Conferences, 3 International Webinar Programmes, 3 National Conferences, 2 National Seminars, 8 University level Seminars, 7 National Workshops, One Regional level Workshop, 4 University level Workshops, One University level Webinar, 4 University level Symposium, 27 Training / Special Lecture / Endowment Lecture Programmes and 18 Brainstorming

Sessions. Nearly 8094 participants, covering faculty members, scientists, research scholars, and students have benefitted through these programmes.

### **Participation in Conferences / Seminars/ Workshops / Faculty Development Programmes**

The faculty members are encouraged to augment their domain knowledge, share and upgrade their expertise by participating in academic and research platforms. They have participated in 323 such programs and have presented 147 research articles. Towards knowledge dissemination, faculty members delivered 275 keynote address and invited lectures.

The Institute periodically arranges faculty development programmes and workshops aimed at quality enrichment. 11 Faculty members have attended Refresher Courses, 3 faculty members attended Orientation Programmes, 8 faculty members attended Short Term Courses and 13 faculty members attended Faculty Development Programme conducted by Human Resource Development Centres of various universities.

### **Participation in LEAP**

One faculty member participated in MHRD's Leadership for Academicians Programme (LEAP).

### **Research Publications**

Research is an important dimension of higher educational institutions. In this regard, GRI is putting in its best efforts to enhance its visibility through quality research publications. The faculty members have brought out 255 publications in reputed and refereed journals, including those listed by the UGC during 2019-2020.

The bibliometric details of the publications up to 2020 are: 2448 Scopus (h-index: 80) and 1638 by Web of Sciences (h-index: 75). The number of publications in UGC's list of reputed journals is 27 and in refereed journals is 227. Additionally, 99 Conference Proceedings, 30 books, 11 edited books, 59 chapters in books, and 2 monographs have been authored by the faculty members. GRI promotes research publication culture among the researchers through its two journals, namely, *Journal of Extension and Research* (ISSN: 0972-351X) and *Gandhigram Literary Review* (ISSN: 2278-8190).

### **Visits Abroad & International Associations**

The quality of research in GRI has been opening up newer avenues for collaborations/associations with Universities/Colleges overseas. Eight faculty members were invited to institutions in Australia, China, Singapore, Malaysia, Columbia, Srilanka, USA and Japan during the year under report.

### **Research Fellowships**

A total of 77 research scholars received funds under UGC-RGNF, UGC-MANF, UGC-EMERITUS, UGC-DSRPDFHS, UGC-SGC, UGC-PDFSS, UGC-PDFWM, UGC-JRF, UGC-SRF, CSIR-SRF, UGC-BSR, UGC-SVSGC, DST-PDF, DST-Inspire, ICSSR-PDF, ICMR and other schemes.

### **MoUs and Collaborations**

In 2019-20, GRI has signed Five MoUs with reputed educational institutions/ organizations in addition to 20+ on-going collaborations.

GRI has signed an agreement with National Database Management Limited (NDML) for uploading the students' credentials in the National Academic Depository (NAD). During the year 2019-20, 1155 students have registered on NAD for which a link is provided in the Institute's website. As on date, 4701 students of GRI have registered in NAD.

### **Extension Programmes**

The extension and outreach activities aimed at integrated rural development are the prime pillars of GRI. For this purpose, Village Placement Programmes (VPP) and Extension Activities are amalgamated suitably into the curriculum of all the programmes offered at GRI. The VPP greatly enables the GRI staff and students to get hands-on experience on the problems and challenges of rural life. During 2018-2019, VPPs were organized in 50 villages, including villages covered under the Unnat Bharat Abhiyan (UBA) programme of the Government of India. Activities aimed at the upliftment of villages were carried out

during these programmes. The students and the staff were engaged in various rural development oriented activities during VPP. As part of the extension activities, students were involved in various activities, namely, *Shramadhan*, afforestation, anti-plastic campaign, baseline surveys, and awareness campaigns on health, sanitation, hygiene and other social issues.

To align GRI's activities with the initiatives of the Government of India in the realm of rural reconstruction, GRI has adopted 66 villages in 7 gram panchayats under the banner of Unnat Bharat Abiyan. The prime mandate of this programme is the establishment of model villages and rural reconstruction through technology transfer.

As a national recognition, the Ministry of Rural Development, Ministry of Panchayati Raj and Ministry of Drinking Water and Sanitation of the Govt. of India have recognized GRI (DU) as a National Level Monitor (NLM). Under the scheme, 30 districts in eight states were monitored for 42 different programmes.

### **Sports, Games & Yoga**

To encourage and foster sports and games among the students of GRI, the Centre for Physical Education and Yoga trains the students for intra and intercollegiate sports tournaments. A course on *Sports and Games* is being offered as a foundation course for all UG students. Yoga Education is a non-credit mandatory course for the first year students. The sports teams of GRI won a number of sports/games tournaments at the state and the regional level.

### **Awards Won by Faculty**

Ten faculty members have received awards for their substantial contribution in the arena of Higher Education in terms of academics, research and extension.

### **Governance**

The Honourable Union Minister of HRD, GoI, is the Chairman of the GRI Society. In 2019-20, meetings of the Board of Management, the Planning and Monitoring Board, the Academic Council, the Finance Committee and the GRI Society meeting were held.

### **Finance**

During the FY 2019-2020, GRI received Rs. 734607000/- under non-plan grant and no funds received under GDA against which the respective expenditure was Rs.853215954/- and Rs. 30518579/- respectively.

### **Summing Up**

GRI is constantly making its mark in every sphere of teaching, research and extension. Its credentials, recognitions, accomplishments and action-packed strategic plans would undoubtedly facilitate the institution to attain heights of excellence and reach new horizons of quality assurance and sustenance in higher education.

  
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Dindigul Dist, Tamilnadu.

## Composition of Statutory Bodies

### MEMBERS OF BOARD OF MANAGEMENT

(As on 30.06.2020)

| S.No | Name   | Membership  |
|------|--|-------------|
| 1.   | <b>Dr.M.Sundaravadivelu</b><br>Vice-Chancellor i/c, Professor and Member, BoM<br>Gandhigram Rural Institute (DTBU), Gandhigram   | Chairperson |
| 2.   | <b>Dr.B. Gurugnanam</b><br>Dean, School of Computer Science and Technologies,<br>Gandhigram Rural Institute (DTBU), Gandhigram   | Member      |
| 3.   | <b>Dr.A. David Ravindran</b><br>Dean, School of Sciences,<br>Gandhigram Rural Institute (DTBU), Gandhigram   | Member      |
| 4.   | <b>Dr.R.Venkatravi</b><br>Associate Professor, Centre for Lifelong Learning,<br>Gandhigram Rural Institute (DTBU), Gandhigram  | Member      |
| 5.   | <b>Dr.K. Prasanna Sai</b><br>Management Consultant,<br>Sai Advisory Services, No.5A Anna Main Road,<br>Kodambakkam, Chennai-600 024  | Member      |
| 6.   | <b>Capt. Rajesh Unni</b><br>Chief Executive Officer,<br>Synergy Maritime Pvt. Ltd., 4 <sup>th</sup> Floor, AKDR Tower, 3/381<br>Rajiv Gandhi Salai (OMR),<br>Mettukuppam, Chennai-600 097  | Member      |
| 7.   | <b>Shri. M. Nagarajan, IAS</b><br>Collector and District Magistrate,<br>Aravalli District, Jilla Sewa Sadan<br>Modasa-383 315, Gujarat   | Member      |
| 8.   | <b>Shri Sanjay Kumar Sinha, IFS</b><br>Joint Secretary (DU & Management)<br>Department of Higher Education,<br>Ministry of Human Resource Development,<br>Government of India 220 C Wing, Shastri Bhawan,<br>New Delhi - 110 001 | Member      |
| 9.   | <b>Smt. Kavita Narayan</b><br>Technical Advisor,<br>Human Resources for Health,<br>Ministry of Health and Family Welfare,<br>Govt. of India, Nirmal Bhavan, New Delhi – 110 011  | Member      |
| 10.  | <b>Prof.V.P.R.Sivakumar</b><br>Registrar<br>Gandhigram Rural Institute (DTBU), Gandhigram  | Secretary   |



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## MEMBERS OF PLANNING AND MONITORING BOARD

(As on 30.06.2020)

| S.No | Name  | Membership  |
|------|---|-------------|
| 1.   | <b>Dr.M.Sundaravadivelu</b><br>Vice-Chancellor i/c,<br>Gandhigram Rural Institute (DTBU), Gandhigram                              | Chairperson |
| 2.   | <b>Dr.B. Gurugnanam</b><br>Dean, School of Computer Science and Technologies,<br>Gandhigram Rural Institute (DTBU), Gandhigram    | Member      |
| 3.   | <b>Dr.S. Manivel</b><br>Professor and Head, Department of Cooperation<br>Gandhigram Rural Institute (DTBU), Gandhigram.           | Member      |
| 4.   | <b>Dr.A. David Ravindran</b><br>Professor, Department of Biology,<br>Gandhigram Rural Institute (DTBU), Gandhigram                | Member      |
| 5.   | <b>Dr.M.R.Kubendran</b><br>Professor, School of English and Foreign Languages,<br>Gandhigram Rural Institute (DTBU), Gandhigram.  | Member      |
| 6.   | <b>Dr.T.T.Ranganathan</b><br>Professor, School of Agriculture & Animal Sciences<br>Gandhigram Rural Institute (DTBU), Gandhigram. | Member      |
| 7.   | <b>Dr.R.Venkatravi</b><br>Associate Professor, Centre for Lifelong Learning<br>Gandhigram Rural Institute (DTBU), Gandhigram.     | Member      |
| 8.   | <b>Smt. A. Jansi Rani</b><br>Associate Professor,<br>Centre for Rural Health,<br>Gandhigram Rural Institute (DTBU), Gandhigram.   | Member      |
| 9.   | <b>Dr.V.P.R.Sivakumar</b><br>Registrar<br>Gandhigram Rural Institute (DTBU), Gandhigram.  | Secretary   |



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**MEMBERS OF FINANCE COMMITTEE**  
(As on 30.06.2020)

| Sl.No. | Name  | Membership  |
|--------|---|-------------|
| 1.     | <b>Dr.M.Sundaravadivelu</b><br>Vice-Chancellor i/c,<br>Gandhigram Rural Institute (DTBU), Gandhigram  | Chairperson |
| 2.     | <b>Shri M.H. Mohan</b><br>Financial Advisor & Chief Accounts Officer In-Charge<br>Indian Institute of Management,<br>Tiruchirappalli, NIT Trichy Campus<br>Tanjore Main Road, Thuvakudi<br>Tiruchirappalli – 620 015<br>(Nominee of the MHRD) | Member      |
| 3.     | <b>Dr.M.S.Narasimhan</b><br>Professor of Finance & Accounting<br>Indian Institute of Management<br>Bannerghatta Road<br>Bangalore – 560 076<br>Karnataka  | Member      |
| 4.     | <b>Dr.K. Prasanna Sai</b><br>Management Consultant,<br>Sai Advisory Services, No.5A Anna Main Road,<br>Kodambakkam, Chennai-600 024<br>(Nominee of the BoM)   | Member      |
| 5.     | <b>Dr.S.Manivel</b><br>Special Officer (Finance) In-charge<br>Gandhigram Rural Institute (DTBU)<br>Gandhigram   | Secretary   |

  
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Dindigul Dist, Tamilnadu.

## MEMBERS OF ACADEMIC COUNCIL

(As on 30.06.2020)

| Sl.No. | Name  | Membership  |
|--------|---|-------------|
| 1.     | <b>Dr.M.Sundaravadivelu</b><br>Vice-Chancellor i/c,<br>Gandhigram Rural Institute (DTBU), Gandhigram  | Chairperson |
| 2.     | <b>Dr.P. Anandakumar</b><br>Dean, School of Tamil and Indian Languages and Rural<br>Arts, Gandhigram Rural Institute (DTBU), Gandhigram             | Member      |
| 3.     | <b>Dr.A. Joseph Dorairaj</b><br>Dean, School of English and Foreign Languages,<br>Gandhigram Rural Institute (DTBU), Gandhigram                     | Member      |
| 4.     | <b>Dr.L. Raja</b><br>Dean, School of Health Sciences and Rural Development,<br>Gandhigram Rural Institute (DTBU), Gandhigram                        | Member      |
| 5.     | <b>Dr.M. William Baskaran</b><br>Dean, School of Social Sciences,<br>Gandhigram Rural Institute (DTBU), Gandhigram                                  | Member      |
| 6.     | <b>Dr.M. Soundarapandian</b><br>Dean, School of Management Studies<br>Gandhigram Rural Institute (DTBU), Gandhigram                                 | Member      |
| 7.     | <b>Dr.B. Gurugnanam</b><br>Dean, School of Computer Science and Technologies,<br>Gandhigram Rural Institute (DTBU), Gandhigram                      | Member      |
| 8.     | <b>Dr.A. David Ravindran</b><br>Dean, School of Sciences,<br>Gandhigram Rural Institute (DTBU), Gandhigram  | Member      |
| 9.     | <b>Dr.G.S. Kannan</b><br>Dean, School of Agriculture and Animal Sciences,<br>Gandhigram Rural Institute (DTBU), Gandhigram                          | Member      |
| 10.    | <b>Dr.A. Nirmala Rani</b><br>Head, Department of Tamil<br>Gandhigram Rural Institute (DTBU), Gandhigram   | Member      |
| 11.    | <b>Dr.M. Saleem Baig</b><br>Head i/c, Department of Hindi<br>Gandhigram Rural Institute (DTBU), Gandhigram  | Member      |
| 12.    | <b>Dr.A. Balakrishnan</b><br>Head, Department of Rural Health and Development<br>Studies, Gandhigram Rural Institute (DTBU), Gandhigram             | Member      |
| 13.    | <b>Dr.M. Mallammal</b><br>Head, Department of Gandhian Studies and Sociology,<br>Gandhigram Rural Institute (DTBU), Gandhigram                      | Member      |
| 14.    | <b>Dr.V. Ragupathy</b><br>Head, Department of Political Science and Development<br>Administration,<br>Gandhigram Rural Institute (DTBU), Gandhigram | Member      |
| 15.    | <b>Dr.A. Jahitha Begum</b><br>Head i/c, Department of Education<br>Gandhigram Rural Institute (DTBU), Gandhigram                                    | Member      |
| 16.    | <b>Dr.K. Raja Alias Pranmalai</b><br>Head, Department of Rural Industries and Management<br>Gandhigram Rural Institute (DTBU), Gandhigram           | Member      |

|     |  |        |
|-----|--|--------|
| 17. | <b>Dr.S. Rajendran</b><br>Head, Department of Economics<br>Gandhigram Rural Institute (DTBU), Gandhigram                             | Member |
| 18. | <b>Dr.S. Manivel</b><br>Head, Department of Cooperation<br>Gandhigram Rural Institute (DTBU), Gandhigram                             | Member |
| 19. | <b>Dr.P. Balasubramaniam</b><br>Head, Department of Mathematics<br>Gandhigram Rural Institute (DTBU), Gandhigram                     | Member |
| 20. | <b>Dr.P. Vickraman</b><br>Head, Department of Physics<br>Gandhigram Rural Institute (DTBU), Gandhigram                               | Member |
| 21. | <b>Dr. Anitha Pius</b><br>Head, Department of Chemistry<br>Gandhigram Rural Institute (DTBU), Gandhigram                             | Member |
| 22. | <b>Dr.S.S. Vijayanchali</b><br>Head, Department of Home Science<br>Gandhigram Rural Institute (DTBU), Gandhigram                     | Member |
| 23. | <b>Dr.P.U. Mahalingam</b><br>Head, Department of Biology<br>Gandhigram Rural Institute (DTBU), Gandhigram                            | Member |
| 24. | <b>Dr.P. Kalvathi</b><br>Head, Department of Computer Science and Applications,<br>Gandhigram Rural Institute (DTBU), Gandhigram     | Member |
| 25. | <b>Dr.S. Shaji</b><br>Director, Centre for Malayalam Studies,<br>Gandhigram Rural Institute (DTBU), Gandhigram                       | Member |
| 26. | <b>Dr.R. Kumaran</b><br>Director i/c, Centre for Studies in Sociology,<br>Gandhigram Rural Institute (DTBU), Gandhigram              | Member |
| 27. | <b>Dr.P. Anandharajakumar</b><br>Director, Centre for Development Studies,<br>Gandhigram Rural Institute (DTBU), Gandhigram          | Member |
| 28. | <b>Dr.M.P. Boraian</b><br>Director, Centre for Extension,<br>Gandhigram Rural Institute (DTBU), Gandhigram                           | Member |
| 29. | <b>Dr.K. Mahendran</b><br>Director, Centre for Rural Technology,<br>Gandhigram Rural Institute (DTBU), Gandhigram                    | Member |
| 30. | <b>Dr.V. Kirubakaran</b><br>Director, Centre for Rural Energy,<br>Gandhigram Rural Institute (DTBU), Gandhigram                      | Member |
| 31. | <b>Dr.B. Tamilmani</b><br>Professor, Department of Cooperation,<br>Gandhigram Rural Institute (DTBU), Gandhigram                     | Member |
| 32. | <b>Dr.M. Seethalakshmi</b><br>Professor, School of Agriculture and Animal Sciences,<br>Gandhigram Rural Institute (DTBU), Gandhigram | Member |
| 33. | <b>Dr.K. Ravichanran</b><br>Professor, Department of Cooperation,<br>Gandhigram Rural Institute (DTBU), Gandhigram                   | Member |
| 34. | <b>Dr.M.R. Rajan</b><br>Professor, Department of Biology,<br>Gandhigram Rural Institute (DTBU), Gandhigram                           | Member |

**REGISTRAR**

Gandhigram Rural Institute  
(Deemed to be University)  
Gandhigram - 624 302.  
Dindigul Dist, Tamilnadu.

*The Gandhigram Rural Institute (Deemed to be University) – Annual Report (2019-20)*

|     |   |           |
|-----|---|-----------|
| 35. | <b>Dr.M. Sivaraman</b><br>Professor, Department of Physics,<br>Gandhigram Rural Institute (DTBU), Gandhigram  | Member    |
| 36. | <b>Dr.K.S. Nakkeeran</b><br>Professor, Department of Political Science and<br>Development Administration,<br>Gandhigram Rural Institute (DTBU), Gandhigram  | Member    |
| 37. | <b>Dr.K.P. Elango</b><br>Professor, Department of Chemistry,<br>Gandhigram Rural Institute (DTBU), Gandhigram   | Member    |
| 38. | <b>Dr.S. Meenakshi</b><br>Professor, Department of Chemistry,<br>Gandhigram Rural Institute (DTBU), Gandhigram  | Member    |
| 39. | <b>Dr.M. Sundaramari</b><br>Professor, School of Agriculture and Animal Sciences,<br>Gandhigram Rural Institute (DTBU), Gandhigram  | Member    |
| 40. | <b>Dr.G. Baskaran</b><br>Professor, School of English and Foreign Languages,<br>Gandhigram Rural Institute (DTBU), Gandhigram   | Member    |
| 41. | <b>Smt.S. Balasundari</b><br>Associate Professor, School of English and Foreign<br>Languages, Gandhigram Rural Institute (DTBU),<br>Gandhigram  | Member    |
| 42. | <b>Smt.A. Jansi Rani</b><br>Associate Professor, Centre for Rural Health, Gandhigram<br>Rural Institute (DTBU), Gandhigram  | Member    |
| 43. | <b>Dr.R. Venkataravi</b><br>Associate Professor, Centre for Lifelong Learning,<br>Gandhigram Rural Institute (DTBU), Gandhigram   | Member    |
| 44. | <b>Dr.K.K. Satheesh Kumar</b><br>Assistant Professor, Department of Chemistry, Gandhigram<br>Rural Institute (DTBU), Gandhigram   | Member    |
| 45. | <b>Dr.Sonkhogin Haokip</b><br>Assistant Professor, Department of Political Science and<br>Development Administration, Gandhigram Rural Institute<br>(DTBU), Gandhigram                                  | Member    |
| 46. | <b>Dr.G. Mahadevan</b><br>Assistant Professor, Department of Mathematics,<br>Gandhigram Rural Institute (DTBU), Gandhigram  | Member    |
| 47. | <b>Dr.Anandavalli Mahadevan</b><br>(Former Vice-Chancellor of Mother Teresa University,<br>Kodaikanal)<br>No.2, Dev Builders, Ramamurthi Avenue Extn.<br>Sarojini Street, Mugalivakkam, Chennai-600 125 | Member    |
| 48. | <b>Dr.V.P.R.Sivakumar</b><br>Registrar<br>Gandhigram Rural Institute (DTBU), Gandhigram.  | Secretary |



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# Finance

## CONSOLIDATED BALANCE SHEET

THE GANDHIGRAM RURAL INSTITUTE - (DEEMED TO BE UNIVERSITY)  
GANDHIGRAM - TAMIL NADU  
CONSOLIDATED BALANCE SHEET AS AT 31.03.2020

| SOURCES OF FUNDS                                    | Schedule | 2019-20           | 2018-19           |
|---|----------|-------------------|-------------------|
| Corpus / Capital Fund                               | 1        | 446710430         | 478592315         |
| Designated/Earmarked Funds                          | 2        | 242192536         | 211979537         |
| Current Liabilities & Provisions                    | 3        | 510274297         | 316501444         |
| <b>TOTAL</b>  |          | <b>1199177263</b> | <b>1007073296</b> |
| APPLICATION OF FUNDS                                | Schedule | 2019-20           | 2018-19           |
| <b>FIXED ASSETS - Own</b>                           |          |                   |                   |
| Tangible Assets                                     | 4        | 520894945         | 531329793         |
| Intangible Assets                                   | 4        | 1910658           | 1972715           |
| Capital Work-In-Progress                            | 4        | 24538938          | 16402382          |
| <b>INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS</b> |          |                   |                   |
| Long Term   |          |                   |                   |
| Short term  | 5        | 83876324          | 92512742          |
| <b>INVESTMENTS - OTHERS</b>                         | 6        | 14467312          | 35936882          |
| <b>CURRENT ASSETS</b>                               | 7        | 180028139         | 247587572         |
| <b>LOANS, ADVANCES &amp; DEPOSITS</b>               | 8        | 373460947         | 81331210          |
| <b>TOTAL</b>  |          | <b>1199177263</b> | <b>1007073296</b> |
| SIGNIFICANT ACCOUNTING POLICIES                     | 23       |                   |                   |
| CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS        | 24       |                   |                   |

  
 Special Officer (Finance)  
 Gandhigram Rural Institute Gandhigram Rural Institute

**For S.S.&Co**  
Chartered Accountants

  
 S. Srinivasan Partner  
 FRN 003502S ( Mem.No 024142)

  
**REGISTRAR**  
 Gandhigram Rural Institute  
 (Deemed to be University)  
 Gandhigram - 624 302.  
 Dindigul Dist, Tamilnadu.

## CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT

THE GANDHIGRAM RURAL INSTITUTE - DEEMED TO BE UNIVERSITY  
GANDHIGRAM - TAMIL NADU  
CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT  
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2020

F

| Particulars   | Schedule | GDA             | Non Plan         | 2019-20          | 2018-19          |
|---|----------|-----------------|------------------|------------------|------------------|
| <b>INCOME</b>   |          |                 |                  |                  |                  |
| Academic Receipts   | 9        | 2691600         | 32981724         | 35673324         | 34218779         |
| Grants / Subsidies  | 10       | 15853661        | 788718323        | 804571984        | 598238602        |
| Income from Investments   | 11       | 35421           | 12082            | 47503            | 2388670          |
| Interest Earned   | 12       | 875482          | 1412409          | 2287891          | 3075789          |
| Other Income  | 13       | 1661            | 2771710          | 2773371          | 3295688          |
| Prior Period Income   | 14       | 0               | 0                | 0                | 2204400          |
| <b>TOTAL (A)</b>  |          | <b>19457825</b> | <b>825896248</b> | <b>845354073</b> | <b>643421928</b> |
| <b>EXPENDITURE</b>  |          |                 |                  |                  |                  |
| Staff Payments & Benefits (Establishment expenses)                | 15       | 10187678        | 788718323        | 798906001        | 545856071        |
| Academic Expenses   | 16       | 4034624         | 13358680         | 17393304         | 13517936         |
| Administrative and General Expenses                               | 17       | 252716          | 32509215         | 32761931         | 47166313         |
| Transportation Expenses   | 18       | 0               | 1245609          | 1245609          | 2237479          |
| Repairs & Maintenance   | 19       | 1378643         | 14603601         | 15982244         | 27195046         |
| Finance Costs   | 20       | 0               | 0                | 0                | 0                |
| Depreciation  | 4        | 17996899        | 5924072          | 23920971         | 27222661         |
| Other Expenses  | 21       | 0               | 0                | 0                | 34536            |
| Prior Period Expenses   | 22       | 0               | 1690816          | 1690816          | 533858           |
| <b>TOTAL (B)</b>  |          | <b>33850560</b> | <b>858050316</b> | <b>891900876</b> | <b>663763900</b> |
| Balance being excess of Expenditure over Income (A-B)             |          | -14392735       | -32154068        | -46546803        | -20341972        |
| <b>Total</b>  |          | <b>19457825</b> | <b>825896248</b> | <b>845354073</b> | <b>643421928</b> |
| Transfer to / from Designated Fund                                |          |                 |                  |                  |                  |
| Building Fund   |          |                 |                  |                  |                  |
| Others (specify)  |          |                 |                  |                  |                  |
| Excess in Registration fees collection/Contributions from Seminar |          |                 |                  |                  |                  |
| Balance being Surplus / (Deficit) carried to Capital Fund         |          | -14392735       | -32154068        | -46546803        | -20341972        |

SIGNIFICANT ACCOUNTING POLICIES

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CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS

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 Special Officer (Finance) V. P. Jeyaraman  
 Gandhigram Rural Institute Gandhigram Rural Institute

**For S.S.&Co**  
 Chartered Accountants

  
 S. Srinivasan Partner  
 FRN 003502S / Mem.No 024142

  
**REGISTRAR**  
 Gandhigram Rural Institute  
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 Gandhigram - 624 302.  
 Oindigul Dist, Tamilnadu.

## Academic Programmes

### A. Ph.D. programmes

### B. M Phil. Programmes

1. M.Phil. Tamil
2. M.Phil. English
3. M.Phil. Rural Development Studies
4. M.Phil. Economics
5. M.Phil. Development Administration
6. M.Phil. Gandhian studies and Peace Science
7. M.Phil. Development Sociology
8. M.Phil. Research & Development
9. M.Phil. Women's Studies
10. M.Phil. Chemistry
11. M.Phil. Computer Science
12. M.Phil. Education
13. M.Phil. Mathemaics
14. M.Phil. Physics
15. M.Phil. Botany / Zoology / Microbiology
16. M.Phil. Home Science
17. M.Phil. Geology
18. M.Phil. Futurology

### C. Post Graduate Programmes (Four Semesters)

1. M.A. Tamil & Indian Literature
2. M.A. Hindi
3. M.A. English & Communicative Studies
4. M.A. Rural Development Studies
5. M.A. Gandhian studies and Peace Science
6. M.A. Economics
7. M.Com. Cooperative Management
8. M.Sc. Mathematics
9. M.Sc. Physics
10. M.Sc. Chemistry
11. M.Sc. Food Science and Nutrition
12. M.Sc. Home Science Extension and Communication
13. M.Sc. Textiles and Fashion Design
14. M.Sc. Botany
15. M.Sc. Zoology
16. M.Sc. Microbiology
17. M.Sc. Applied Geology and Geomatics
18. M.Sc. Geo-informatics

  
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#### **D.5 Year Integrated Programme (Ten Semesters)**

1. M.A. Development Administration (5 Year Integrated)
2. M.A. Sociology (5 Year Integrated)

#### **E. PG Diploma Programmes (Two Semesters)**

1. P.G. Diploma in Spatial Technologies
2. P.G. Diploma in Applied Gerontology
3. P.G. Diploma in Sanitary Inspector's Course
4. P.G. Diploma in Epigraphy
5. P.G. Diploma in Yoga Education
6. P.G. Diploma in Sustainable Social Development

#### **F. Under Graduate Programmes (Six Semesters)**

1. B.Com. Cooperation
2. BBA
3. B.A. Economics
4. B.Sc. Mathematics
5. B.Sc. Physics
6. B.Sc. Chemistry
7. B.Sc. Home Science
8. B.Sc. Textiles and Fashion Design
9. B.Sc. Geology
10. B.Sc. Computer Science
11. B.Sc. Microbiology

#### **G. Professional Courses (AICTE / ICAR / UGC / NCTE Approved)**

1. B.Tech. Civil Engineering (8 Semesters)
2. B.Tech. Civil Engineering (Lateral Entry - 6 Semesters)
3. M.Tech. Renewable Energy
4. B.Sc. Agriculture (Hons.) (8 Semesters)
5. MCA (6 Semesters)
6. MBA
7. B.Ed. (4 Semesters)
8. B.Sc., B.Ed. (Mathematics - 8 Semesters)
9. B.Sc., B.Ed. (Physics - 8 Semesters)
10. B.Sc., B.Ed. (Chemistry - 8 Semesters)
11. M.Ed. (4 Semesters)

#### **H. Skill Based Programmes**

1. B.Voc.- Farm Equipments Operation and Maintenance
2. B.Voc.- Footwear and Accessories Design
3. B.Voc. - Renewable Energy
4. B.Voc. - Multimedia Production Technology
5. B.Voc.- Food Processing
6. B.Voc. - Food Testing and Quality Evaluation

  
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Dindigul Dist, Tamilnadu.

7. B.Voc.- Dairy Production and Technology
8. B.Voc. - Organic Agriculture and Enterprises Development
9. D.Voc.- Refrigerator and Air Conditioning (2 Semesters)
10. D.Voc. - Software Development (2 Semesters)
11. Diploma in Two Wheeler Mechanism and Maintenance (2 Semesters)
12. Certificate Course in Two Wheeler Technician (2 Semesters)

#### **I. Diploma Programmes (Four Semesters)**

1. Diploma in Textile Technology
2. Diploma in Agriculture
3. Diploma in Videography
4. Diploma in Yoga Education



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## Students' Strength

| S. No. | Programme                                      | Year | Grand Total |    |    |    |
|--------|--|------|-------------|----|----|----|
|        |  |      | M           | F  | Tg | T  |
|        | <b>M.Phil. Programmes</b>                      |      |             |    |    |    |
| 1.     | M.Phil. Tamil                                  | I    | 5           | 8  | 0  | 13 |
| 2.     | M.Phil. English                                | I    | 2           | 10 | 0  | 12 |
| 3.     | M.Phil. Economics                              | I    | 1           | 3  | 0  | 4  |
| 4.     | M.Phil. Mathematics                            | I    | 2           | 7  | 0  | 9  |
| 5.     | M.Phil. Physics                                | I    | 2           | 3  | 0  | 5  |
| 6.     | M.Phil. Chemistry                              | I    | 0           | 7  | 0  | 7  |
| 7.     | M.Phil. Botany                                 | I    | 0           | 1  | 0  | 1  |
| 8.     | M.Phil. Research and Development               | I    | 2           | 8  | 0  | 10 |
| 9.     | M.Phil. Rural Development Studies              | I    | 2           | 3  | 0  | 5  |
|        | <b>PG Programmes</b>                           |      | 0           | 0  | 0  | 0  |
| 10.    | M.A. Tamil and Indian Literature               | I    | 3           | 9  | 0  | 12 |
|        |  | II   | 6           | 14 | 0  | 20 |
| 11.    | M.A. Hindi                                     | I    | 0           | 2  | 0  | 2  |
|        |  | II   | 1           | 3  | 0  | 4  |
| 12.    | M.A. English and Communicative Studies         | I    | 4           | 26 | 0  | 30 |
|        |  | II   | 6           | 22 | 0  | 28 |
| 13.    | M.Com(Cooperative Management)                  | I    | 8           | 10 | 0  | 18 |
|        |  | II   | 3           | 13 | 0  | 16 |
| 14.    | M.A. Economics                                 | I    | 7           | 7  | 0  | 14 |
|        |  | II   | 4           | 6  | 0  | 10 |
| 15.    | M.A. Gandhian Studies and Peace Science        | I    | 3           | 1  | 0  | 4  |
|        |  | II   | 3           | 2  | 0  | 5  |
| 16.    | M.Sc. Mathematics                              | I    | 11          | 31 | 0  | 42 |
|        |  | II   | 9           | 27 | 0  | 36 |
| 17.    | M.Sc. Physics                                  | I    | 18          | 11 | 0  | 29 |
|        |  | II   | 11          | 14 | 0  | 25 |
| 18.    | M.Sc. Chemistry                                | I    | 15          | 23 | 0  | 38 |
|        |  | II   | 17          | 19 | 0  | 36 |
| 19.    | M.Sc. Food Science and Nutrition               | I    | 2           | 17 | 0  | 19 |
|        |  | II   | 1           | 19 | 0  | 20 |
| 20.    | M.Sc. Home Science Extension and Communication | I    | 0           | 9  | 0  | 9  |
|        |  | II   | 1           | 3  | 0  | 4  |
| 21.    | M.Sc. Botany                                   | I    | 5           | 17 | 0  | 22 |
|        |  | II   | 8           | 14 | 0  | 22 |
| 22.    | M.Sc. Zoology                                  | I    | 8           | 13 | 0  | 21 |
|        |  | II   | 2           | 21 | 0  | 23 |
| 23.    | M.Sc. Micro Biology                            | I    | 5           | 24 | 0  | 29 |
|        |  | II   | 6           | 17 | 0  | 23 |
| 24.    | M.Sc. Applied Geology and Geomatics            | I    | 6           | 7  | 0  | 13 |
|        |  | II   | 4           | 11 | 0  | 15 |
| 25.    | M.Sc. Geoinformatics                           | I    | 10          | 7  | 0  | 17 |
|        |  | II   | 8           | 12 | 0  | 20 |



**REGISTRAR**

Gandhigram Rural Institute  
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Dindigul Dist, Tamilnadu.

| S. No.                              | Programme  | Year | Grand Total |    |    |    |
|-------------------------------------|--|------|-------------|----|----|----|
|                                     |  |      | M           | F  | Tg | T  |
| 26.                                 | M.A. Rural Development Studies                       | I    | 6           | 5  | 0  | 11 |
|                                     |  | II   | 8           | 2  | 0  | 10 |
| 27.                                 | M.Sc. Textiles and Fashion Design                    | I    | 3           | 2  | 0  | 5  |
|                                     |  | II   | 0           | 0  | 0  | 0  |
| <b>5 year Integrated Programmes</b> |  | 0    | 0           | 0  | 0  |    |
| 28.                                 | M.A. Development Administration (5 Years Integrated) | I    | 19          | 14 | 0  | 33 |
|                                     |  | II   | 18          | 20 | 0  | 38 |
|                                     |  | III  | 19          | 20 | 0  | 39 |
|                                     |  | IV   | 18          | 10 | 0  | 28 |
|                                     |  | V    | 9           | 9  | 0  | 18 |
| 29.                                 | MA Sociology(5 Years Integrated)                     | I    | 18          | 12 | 0  | 30 |
|                                     |  | II   | 13          | 21 | 0  | 34 |
|                                     |  | III  | 13          | 17 | 0  | 30 |
|                                     |  | IV   | 0           | 0  | 0  | 0  |
|                                     |  | V    | 0           | 0  | 0  | 0  |
| <b>PG Diploma Programmes</b>        |  | 0    | 0           | 0  | 0  |    |
| 30.                                 | PG Diploma in Spatial Technologies                   | I    | 4           | 2  | 0  | 6  |
| 31.                                 | PG Diploma in Sanitary Inspector's Course            | I    | 24          | 35 | 0  | 59 |
| 32.                                 | P.G. Diploma in Sustainable Social Development       | I    | 2           | 2  | 0  | 4  |
| <b>UG Programmes</b>                |  | 0    | 0           | 0  | 0  |    |
| 33.                                 | B.Com. Cooperation                                   | I    | 20          | 28 | 0  | 48 |
|                                     |  | II   | 24          | 28 | 0  | 52 |
|                                     |  | III  | 21          | 21 | 0  | 42 |
| 34.                                 | B.B.A.   | I    | 20          | 30 | 0  | 50 |
|                                     |  | II   | 16          | 28 | 0  | 44 |
|                                     |  | III  | 23          | 21 | 0  | 44 |
| 35.                                 | B.A. Gandhian Social Work                            | I    | 0           | 0  | 0  | 0  |
|                                     |  | II   | 0           | 0  | 0  | 0  |
|                                     |  | III  | 11          | 10 | 0  | 21 |
| 36.                                 | B.Sc. Mathematics                                    | I    | 8           | 26 | 0  | 34 |
|                                     |  | II   | 12          | 57 | 0  | 69 |
|                                     |  | III  | 12          | 59 | 0  | 71 |
| 37.                                 | B.Sc. Physics  | I    | 17          | 23 | 0  | 40 |
|                                     |  | II   | 17          | 19 | 0  | 36 |
|                                     |  | III  | 22          | 41 | 0  | 63 |
| 38.                                 | B.Sc. Chemistry                                      | I    | 12          | 14 | 0  | 26 |
|                                     |  | II   | 13          | 21 | 0  | 34 |
|                                     |  | III  | 25          | 30 | 0  | 55 |
| 39.                                 | B.Sc. Home Science                                   | I    | 11          | 35 | 0  | 46 |
|                                     |  | II   | 8           | 32 | 0  | 40 |
|                                     |  | III  | 5           | 39 | 0  | 44 |
| 40.                                 | B.Sc. Textiles and Fashion Design                    | I    | 12          | 17 | 0  | 29 |
|                                     |  | II   | 10          | 17 | 0  | 27 |
|                                     |  | III  | 13          | 14 | 0  | 27 |
| 41.                                 | B.Sc. Geology  | I    | 15          | 10 | 0  | 25 |
|                                     |  | II   | 19          | 11 | 0  | 30 |
|                                     |  | III  | 0           | 0  | 0  | 0  |

L. N.  
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Gandhigram - 624 302  
Dindigul Dist, Tamilnadu.

| S. No. | Programme                                 | Year | Grand Total |    |    |    |
|--------|---|------|-------------|----|----|----|
|        |   |      | M           | F  | Tg | T  |
| 42.    | B.Sc. Computer Science                    | I    | 27          | 32 | 0  | 59 |
|        |   | II   | 0           | 0  | 0  | 0  |
|        |   | III  | 0           | 0  | 0  | 0  |
| 43.    | B.Sc. Microbiology                        | I    | 6           | 22 | 0  | 28 |
|        |   | II   | 0           | 0  | 0  | 0  |
|        |   | III  | 0           | 0  | 0  | 0  |
| 44.    | B.A. Economics                            | I    | 18          | 13 | 0  | 31 |
|        |   | II   | 0           | 0  | 0  | 0  |
|        |   | III  | 0           | 0  | 0  | 0  |
|        | <b>Diploma Programmes</b>                 | 0    | 0           | 0  | 0  | 0  |
| 45.    | Diploma in Textile Technology             | I    | 12          | 8  | 0  | 20 |
|        |   | II   | 16          | 8  | 0  | 24 |
| 46.    | Diploma in Agriculture                    | I    | 8           | 16 | 0  | 24 |
|        |   | II   | 13          | 17 | 0  | 30 |
| 47.    | Diploma in Yoga Education                 | I    | 2           | 3  | 0  | 5  |
|        | <b>Professional Programmes</b>            | 0    | 0           | 0  | 0  | 0  |
| 48.    | B.Tech. Civil Engineering                 | I    | 16          | 6  | 0  | 22 |
|        |   | II   | 21          | 9  | 0  | 30 |
|        |   | III  | 15          | 9  | 0  | 24 |
|        |   | IV   | 13          | 15 | 0  | 28 |
| 49.    | B.Tech. Civil Engineering (Lateral Entry) | II   | 1           | 0  | 0  | 1  |
|        |   | III  | 0           | 1  | 0  | 1  |
|        |   | IV   | 3           | 1  | 0  | 4  |
| 50.    | B.Sc. Agriculture                         | I    | 20          | 38 | 0  | 58 |
|        |   | II   | 24          | 34 | 0  | 58 |
|        |   | III  | 5           | 15 | 0  | 20 |
|        |   | IV   | 11          | 17 | 0  | 28 |
| 51.    | M.Tech. Renewable Energy                  | I    | 9           | 6  | 0  | 15 |
|        |   | II   | 9           | 9  | 0  | 18 |
| 52.    | Master of Computer Applications           | I    | 11          | 30 | 0  | 41 |
|        |   | II   | 20          | 32 | 0  | 52 |
|        |   | III  | 10          | 42 | 0  | 52 |
| 53.    | MBA                                       | I    | 22          | 21 | 0  | 43 |
|        |   | II   | 26          | 26 | 0  | 52 |
| 54.    | B.Sc. B.Ed.,(Integrated) Mathematics      | I    | 7           | 9  | 0  | 16 |
|        |   | II   | 2           | 17 | 0  | 19 |
|        |   | III  | 0           | 0  | 0  | 0  |
|        |   | IV   | 0           | 0  | 0  | 0  |
| 55.    | B.Sc. B.Ed.,(Integrated) Physics          | I    | 4           | 4  | 0  | 8  |
|        |   | II   | 2           | 12 | 0  | 14 |
|        |   | III  | 0           | 0  | 0  | 0  |
|        |   | IV   | 0           | 0  | 0  | 0  |
| 56.    | B.Sc. B.Ed.,(Integrated) Chemistry        | I    | 2           | 10 | 0  | 12 |
|        |   | II   | 3           | 11 | 0  | 14 |
|        |   | III  | 0           | 0  | 0  | 0  |
|        |   | IV   | 0           | 0  | 0  | 0  |

| S. No. | Programme   | Year | Grand Total |             |          |             |
|--------|---|------|-------------|-------------|----------|-------------|
|        |   |      | M           | F           | Tg       | T           |
| 57.    | B.Ed.   | I    | 5           | 45          | 0        | 50          |
|        |   | II   | 1           | 47          | 0        | 48          |
| 58.    | M.Ed.   | I    | 1           | 2           | 0        | 3           |
|        |   | II   | 0           | 2           | 0        | 2           |
|        | <b>Skill Based Programme (B.Voc. / Diploma / Certificate)</b> | 0    | 0           | 0           | 0        | 0           |
| 59.    | B.Voc - Farm Equipments Operation and Maintenance             | I    | 43          | 4           | 0        | 47          |
|        |   | II   | 50          | 5           | 0        | 55          |
|        |   | III  | 41          | 4           | 0        | 45          |
| 60.    | B.Voc - Footware and Accessories Design                       | I    | 31          | 6           | 0        | 37          |
|        |   | II   | 34          | 4           | 0        | 38          |
|        |   | III  | 11          | 10          | 0        | 21          |
| 61.    | B.Voc (Dairy Production and Technology)                       | I    | 30          | 21          | 0        | 51          |
|        |   | II   | 21          | 6           | 0        | 27          |
|        |   | III  | 19          | 3           | 0        | 22          |
| 62.    | B.Voc. Food Processing  | I    | 23          | 26          | 0        | 49          |
|        |   | II   | 10          | 7           | 0        | 17          |
|        |   | III  | 0           | 0           | 0        | 0           |
| 63.    | B.Voc. Organic Agriculture and Enterprise Development         | I    | 37          | 10          | 0        | 47          |
|        |   | II   | 24          | 7           | 0        | 31          |
|        |   | III  | 0           | 0           | 0        | 0           |
| 64.    | B.Voc. Food Testing and Quality Evaluation                    | I    | 25          | 21          | 0        | 46          |
|        |   | II   | 6           | 1           | 0        | 7           |
|        |   | III  | 0           | 0           | 0        | 0           |
| 65.    | B.Voc. Renewable Energy                                       | I    | 43          | 5           | 0        | 48          |
|        |   | II   | 34          | 0           | 0        | 34          |
|        |   | III  | 0           | 0           | 0        | 0           |
| 66.    | B.Voc. Multi Media Production Technology                      | I    | 31          | 5           | 0        | 36          |
|        |   | II   | 12          | 0           | 0        | 12          |
|        |   | III  | 0           | 0           | 0        | 0           |
| 67.    | D.Voc. Refrigerator and Air Conditioner                       | I    | 9           | 0           | 0        | 9           |
| 68.    | D.Voc. Software Development                                   | I    | 16          | 3           | 0        | 19          |
| 69.    | Diploma in Two Wheeler Mechanism and Maintenance              | I    | 30          | 0           | 0        | 30          |
| 70.    | Certificate in Two Wheeler Technician                         | I    | 19          | 1           | 0        | 20          |
|        | <b>Total</b>  |      | <b>1715</b> | <b>2021</b> | <b>0</b> | <b>3736</b> |

  
**REGISTRAR**  
 Gandhigram Rural Institute  
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 Gandhigram - 624 302.  
 Dindigul Dist, Tamilnadu.

## Scholarships and Fellowships

### SCHOLARSHIP DETAILS

| S.No | Name of the Scholarship   | No. of Scholarship Sanctioned | Amount Sanctioned (Rs.)       |
|------|---|-------------------------------|-------------------------------|
| 1.   | SC Postmatric Fresh & Renewal Scholarship (Payment Through ECS by Welfare Department)   | 781                           | 1,13,43,945                   |
| 2.   | BC /MBC/DNC Postmatric Fresh & Renewal Scholarship (Payment through ECS by Welfare Department)  | 1642                          | 74,68,089                     |
| 3.   | Higher Education Special Scholarship – (payment through ECS by Institute)   | 332                           | 25,60,500                     |
| 4.   | SC/ST/SCC Tuition Fee Concession – (exempted to students to be reimbursed by Directorate of Collegiate Education, Chennai) <i>(Yet to be Local Fund Audit)</i>  | 935                           | 25,83,400                     |
| 5.   | Chief Minister Award  | 11                            | 49,000                        |
|      | Total No. of Scholarship holders  | 3701                          | 2,40,04,934                   |
|      | No. of Students received more than one Scholarships (332+935+11)  | 1278                          | --                            |
|      | Actual Number of Students getting scholarship   | 2423                          | --                            |
|      | <i>Students applied for the following scholarship along with above said scholarship, if they got sanction of the same, the least beneficial amount to the applicant will be returned to the sanction authority.</i> |                               |                               |
| 6.   | State Board Ph.D Scholarship - SC/ST  | 6                             | Applied (Payment through DBT) |
| 7.   | Indira Gandhi Single Girl Child Scholarship for PG Courses  | ---                           | ---                           |
| 8.   | Minority Castes Scholarship - BC Community  | 59                            | Applied thro' On-line         |
| 9.   | PG Merit Scholarship for University Rank Holders  | ---                           | ---                           |
| 10.  | PG Scholarship for Professional Courses   | ---                           | ---                           |

  
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## FELLOWSHIP DETAILS

| S. No. | Name of the Fellows      | Name of the Department            | Name of Research Fellowship | Funding Agency | Duration of Fellowship |            |
|--------|--------------------------|-----------------------------------|-----------------------------|----------------|------------------------|------------|
|        |                          |                                   |                             |                | From                   | To         |
| 1.     | Karung phaisonreng Kom   | Applied Geology                   | NFST                        | UGC            | 16.11.2016             | 15.11.2021 |
| 2.     | Chennolo Tep             | Development studies               | NFST                        | UGC            | 13.02.2018             | 12.02.2023 |
| 3.     | Dichamang Hilary Daimei  | Development studies               | NFST                        | UGC            | 01.02.2018             | 31.01.2023 |
| 4.     | Mhadeno Y Humtsoe        | Applied Research                  | NFST                        | UGC            | 24.01.2018             | 23.01.2023 |
| 5.     | Ninglum Keishing         | Applied Research                  | NFST                        | UGC            | 31.07.2018             | 30.07.2020 |
| 6.     | Vengatesh. G             | Chemistry                         | NFST                        | UGC            | 01.04.2017             | 31.03.2022 |
| 7.     | Saravana Selvi.C         | Home Science                      | NFSC                        | UGC            | 27.10.2015             | 26.10.2020 |
| 8.     | Nagajothi. R             | Tamil                             | NFSC                        | UGC            | 08.02.2016             | 07.02.2021 |
| 9.     | Maheswari. I             | Home Science                      | NFSC                        | UGC            | 16.09.2016             | 15.09.2020 |
| 10.    | Aarthi. D                | Political Science and Dev. Admin. | NFSC                        | UGC            | 01.04.2015             | 31.03.2020 |
| 11.    | Anitha. T                | Mathematics                       | NFSC                        | UGC            | 01.04.2016             | 31.03.2020 |
| 12.    | Kirubakaran. C           | Computer Science and Application  | NFSC                        | UGC            | 01.04.2016             | 31.03.2021 |
| 13.    | Chitra                   | Computer Science and Application  | NFSC                        | UGC            | 01.04.2016             | 31.03.2021 |
| 14.    | Divya. C                 | Biology                           | NFSC                        | UGC            | 01.04.2016             | 31.03.2021 |
| 15.    | Nandhini.S               | Physics                           | NFSC                        | UGC            | 01.04.2016             | 31.03.2021 |
| 16.    | Gandhimathi. S           | Political Science and Dev. Admin. | NFSC                        | UGC            | 01.04.2015             | 31.03.2021 |
| 17.    | Ananth. A                | Biology                           | NFSC                        | UGC            | 01.04.2017             | 22.08.2022 |
| 18.    | Sugapriya. P             | Tamil                             | NFSC                        | UGC            | 31.03.2017             | 22.08.2022 |
| 19.    | Karnan. A                | Mathematics                       | NFSC                        | UGC            | 17.09.2019             | 16.09.2024 |
| 20.    | Ramesh Babu. N           | Mathematics                       | NFSC                        | UGC            | 17.09.2019             | 16.09.2024 |
| 21.    | Janaki Sundararajan      | Education                         | NFSC                        | UGC            | 17.09.2019             | 16.09.2024 |
| 22.    | Blais Johny              | English                           | MANF                        | UGC            | 07.11.2016             | 06.11.2021 |
| 23.    | Kulandai Theres. J       | Tamil                             | MANF                        | UGC            | 01.07.2017             | 22.08.2022 |
| 24.    | Sheik Fareeth. S         | Rural Industries & Management     | MANF                        | UGC            | 01.04.2017             | 31.03.2022 |
| 25.    | Dickey Choedon           | Studies in Sociology              | MANF                        | UGC            | 01.04.2017             | 31.03.2022 |
| 26.    | Arunkumar. S             | Physics                           | PDFSS                       | UGC            | 28.06.2017             | 27.06.2022 |
| 27.    | Lakshmi K                | Tamil                             | PDFWM                       | UGC            | 03.02.2015             | 17.02.2020 |
| 28.    | Sudhir. M A              | Education                         | EMERITUS                    | UGC            | 12.04.2017             | 11.04.2019 |
| 29.    | Ramachandran. K          | Physics                           | EMERITUS                    | UGC            | 01.07.2017             | 27.06.2019 |
| 30.    | Bala Gomala. TS          | Studies in Sociology              | PDFWM                       | UGC            | 24.08.2017             | 23.08.2022 |
| 31.    | Uma Devi. N              | Tamil                             | PDFWM                       | UGC            | 19.07.2017             | 18.07.2022 |
| 32.    | Christopher. M           | Tamil                             | NETJRF                      | UGC            | 23.06.2017             | 22.06.2022 |
| 33.    | Josphine Selvi           | Tamil                             | NETJRF                      | UGC            | 02.02.2017             | 01.02.2022 |
| 34.    | Victoriya. A             | Tamil                             | NETJRF                      | UGC            | 23.12.2015             | 22.12.2020 |
| 35.    | Thulasimani. L           | Tamil                             | NETJRF                      | UGC            | 23.02.2017             | 22.02.2022 |
| 36.    | Kaleeswari. K            | Tamil                             | NETJRF                      | UGC            | 23.03.2016             | 22.06.2021 |
| 37.    | Sabirul Islam            | Political Science and Dev. Admin. | NETJRF                      | UGC            | 06.07.2018             | 05.07.2023 |
| 38.    | Abdul Shareef. P         | Applied Research                  | NETJRF                      | UGC            | 06.02.2018             | 05.02.2023 |
| 39.    | Dineshkumar Subramanian  | Applied Research                  | NETJRF                      | UGC            | 29.07.2019             | 28.07.2024 |
| 40.    | Sakthivel Ponnusamy      | Tamil                             | NETJRF                      | UGC            | 17.12.2018             | 16.12.2023 |
| 41.    | Tamilselvan Thirumoorthy | Tamil                             | NETJRF                      | UGC            | 29.07.2019             | 28.07.2024 |
| 42.    | Manikandapoopathy.A      | Tamil                             | NETJRF                      | UGC            | 29.07.2019             | 28.07.2024 |
| 43.    | Shafiya. M               | Mathematics                       | NETJRF                      | UGC            | 02.04.2019             | 01.04.2024 |
| 44.    | Rama Rajan               | Chemistry                         | NETJRF                      | UGC            | 01.07.2019             | 30.06.2024 |

| S. No. | Name of the Fellows      | Name of the Department            | Name of Research Fellowship | Funding Agency | Duration of Fellowship |            |
|--------|--------------------------|-----------------------------------|-----------------------------|----------------|------------------------|------------|
|        |                          |                                   |                             |                | From                   | To         |
| 45.    | Anbarasan. A             | Tamil                             | NETJRF                      | UGC            | 18.12.2019             | 17.12.2024 |
| 46.    | Rosemaria Regy Mathew    | English                           | NETJRF                      | UGC            | 02.01.2020             | 01.01.2025 |
| 47.    | Karuppasamy M            | Tamil                             | NETJRF                      | UGC            | 18.02.2020             | 17.02.2025 |
| 48.    | Deepa. R                 | Mathematics                       | BSR                         | UGC            | 18.12.2015             | 17.12.2020 |
| 49.    | Renuka. K                | Mathematics                       | BSR                         | UGC            | 18.12.2015             | 27.12.2020 |
| 50.    | Karthikeyan. R           | Chemistry                         | BSR                         | UGC            | 16.12.2015             | 12.15.2020 |
| 51.    | Durainatarajan. P        | Chemistry                         | BSR                         | UGC            | 16.12.2015             | 15.12.2020 |
| 52.    | Rajeswari. A             | Chemistry                         | BSR                         | UGC            | 16.12.2015             | 15.12.2020 |
| 53.    | Suryaprabha. T           | Chemistry                         | BSR                         | UGC            | 16.12.2015             | 15.12.2020 |
| 54.    | Thagira Banu. H          | Chemistry                         | BSR                         | UGC            | 16.12.2015             | 15.12.2020 |
| 55.    | Praburam. P              | Tamil                             | DSRPDFHS                    | UGC            | 02.05.2016             | 01.05.2019 |
| 56.    | Banu. T                  | English                           | NFOBC                       | UGC            | 21.05.2020             | 20.05.2025 |
| 57.    | Monisha Mohan.M          | Geoinformatics                    | INSPIRE                     | DST            | 2018                   | 2023       |
| 58.    | Velmurugan. A            | Lifelong Learning                 | PDF                         | ICSSR          | 2019                   | 2021       |
| 59.    | Balamurugan. S           | Rural Industries and Management   | ICSSR-PDF                   | ICSSR          | 2017                   | 2020       |
| 60.    | Adhira. B                | Mathematics                       | JRF                         | NBHM           | 04.07.2019             | 03.07.2022 |
| 61.    | Padmaja. N               | Mathematics                       | Project Fellow              | UGC-SAP        | 14.10.2019             | 31.03.2023 |
| 62.    | Reegan Jebadass. J       | Mathematics                       | Technical Assistant         | UGC-SAP        | 23.09.2019             | 31.03.2023 |
| 63.    | Saravana Kumar. S        | Mathematics                       | Project Fellow              | UGC-SAP        | 05.09.2018             | 31.03.2023 |
| 64.    | Kiruthika. J             | Chemistry                         | SRF                         | CSIR           | 1.08.2019              | 31.07.2022 |
| 65.    | Vennila. K.N             | Chemistry                         | SRA                         | CSIR           | 10.06.2020             | 09.06.2023 |
| 66.    | Karuppa Samy. K          | Biology                           | INSPIRE Fellowship          | DST            | 22.09.2017             | 30.09.2022 |
| 67.    | Athira Reghunath         | Biology                           | Inspire Fellowship          | DST            | 19.12.2017             | 31.12.2022 |
| 68.    | Priya Prasanna           | Biology                           | DBT                         | DBT            | 03.04.2019             | -          |
| 69.    | Muthazhaguraja.V         | Computer Science and Applications | JRF                         | CSIR           | 26.09.2019             | 25.09.2022 |
| 70.    | Kanimozhi G              | Computer Science and Applications | Project Fellow              | UGC-SAP        | 01.08.2019             | 31.03.2023 |
| 71.    | Mr.G.N.Lalith Pankaj Raj | Rural Energy                      | DST INSPIRE                 | DST            | 08.10.2018             | 07.10.2023 |
| 72.    | Kapilas.P                | Education                         | JPF NCERT                   | JPF NCERT      | 17.07.2019             | 16.07.2021 |
| 73.    | Vignesh. G               | Physics                           | SRF                         | CSIR           | 18.05.2018             | 17.08.2020 |
| 74.    | John Peter. I            | Physics                           | JRF                         | DST-INSPIRE    | 22.09.2017             | 21.09.2022 |
| 75.    | Vinoth Kumar. K          | Chemistry                         | NET-SRF                     | CSIR           | 02.08.2016             | 30.11.2019 |
| 76.    | Chandrasekaran. P        | Chemistry                         | NET-SRF                     | CSIR           | 24.05.2019             | 31.05.2024 |
| 77.    | Dhanush. C               | Chemistry                         | Project Fellow              | DST-SERB       | 18.02.2019             | 30.09.2021 |

  
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## Examination Results

| Sl. No. | Examination Conducted                             | Appeared   |            |             | Passed     |            |             |
|---------|---|------------|------------|-------------|------------|------------|-------------|
|         |   | B          | G          | T           | B          | G          | T           |
| 1.      | M.A.(5Yr.Int) Development Administration          | 8          | 11         | 19          | 8          | 9          | 17          |
| 2.      | M.A. Hindi  | 2          | 2          | 4           | 1          | 2          | 3           |
| 3.      | M.A. Economics                                    | 4          | 5          | 9           | 3          | 5          | 8           |
| 4.      | M.A. Rural Development Studies                    | 6          | 2          | 8           | 6          | 2          | 8           |
| 5.      | M.A. Tamil & Indian Literature                    | 6          | 14         | 20          | 5          | 13         | 18          |
| 6.      | M.A. Eng. & Communicative Studies                 | 6          | 20         | 26          | 3          | 17         | 20          |
| 7.      | M.A. Gandhian Studies & Peace Science             | 1          | 0          | 1           | 1          | 0          | 1           |
| 8.      | M.Com. Cooperative Management                     | 3          | 11         | 14          | 3          | 11         | 14          |
| 9.      | MBA   | 27         | 24         | 51          | 24         | 23         | 47          |
| 10.     | M.Sc. Mathematics                                 | 9          | 24         | 33          | 5          | 17         | 22          |
| 11.     | M.Sc. Physics                                     | 10         | 13         | 23          | 9          | 13         | 22          |
| 12.     | M.Sc. Chemistry                                   | 17         | 14         | 31          | 15         | 14         | 29          |
| 13.     | M.Sc. Micro Biology                               | 6          | 16         | 22          | 6          | 16         | 22          |
| 14.     | M.Sc. Zoology                                     | 2          | 21         | 23          | 2          | 21         | 23          |
| 15.     | M.Sc. Botany                                      | 8          | 14         | 22          | 8          | 14         | 22          |
| 16.     | M.Sc. Food Science & Nutrition                    | 0          | 19         | 19          | 0          | 19         | 19          |
| 17.     | M.Sc. Home Science & Extension and Communication  | 1          | 3          | 4           | 1          | 3          | 4           |
| 18.     | M.Sc. Geo informatics                             | 8          | 11         | 19          | 7          | 10         | 17          |
| 19.     | M.Sc. Applied Geology                             | 4          | 11         | 15          | 4          | 11         | 15          |
| 20.     | M.Tech. Renewable Energy                          | 9          | 8          | 17          | 9          | 8          | 17          |
| 21.     | Master of Computer Applications                   | 9          | 40         | 49          | 9          | 39         | 48          |
| 22.     | M.Ed  | 0          | 2          | 2           | 0          | 2          | 2           |
| 23.     | PG Diploma in Sanitary Inspector                  | 24         | 35         | 59          | 24         | 35         | 59          |
| 24.     | PG Diploma in Spatial Technology                  | 4          | 2          | 6           | 4          | 2          | 6           |
| 25.     | PG Diploma in Sustainable Social Development      | 2          | 2          | 4           | 2          | 2          | 4           |
| 26.     | BBA   | 20         | 19         | 39          | 10         | 14         | 24          |
| 27.     | B.A. Gandhian Social Work                         | 11         | 10         | 21          | 5          | 9          | 14          |
| 28.     | B.Com. Cooperation                                | 19         | 19         | 38          | 16         | 19         | 35          |
| 29.     | B.Sc. Mathematics                                 | 12         | 56         | 68          | 11         | 55         | 66          |
| 30.     | B.Sc. Physics                                     | 21         | 42         | 63          | 19         | 39         | 58          |
| 31.     | B.Sc. Chemistry                                   | 24         | 27         | 51          | 21         | 27         | 48          |
| 32.     | B.Sc. Home Science                                | 5          | 36         | 41          | 5          | 33         | 38          |
| 33.     | B.Sc. Textiles & Fashion Design                   | 12         | 14         | 26          | 11         | 12         | 23          |
| 34.     | B.Sc. Agriculture                                 | 12         | 17         | 29          | 11         | 17         | 28          |
| 35.     | B.Tech (HD) & Lateral Entry                       | 18         | 14         | 32          | 12         | 14         | 26          |
| 36.     | B.Ed.   | 1          | 47         | 48          | 1          | 47         | 48          |
| 37.     | B.Voc.(Farm Equipments Operation and Maintenance) | 36         | 4          | 40          | 10         | 3          | 13          |
| 38.     | B.Voc.(Footwear Accessories and Design)           | 9          | 9          | 18          | 6          | 9          | 15          |
| 39.     | B.Voc. (Dairy Production Technology)              | 19         | 3          | 22          | 17         | 3          | 20          |
| 40.     | Diploma in Agriculture                            | 13         | 16         | 29          | 7          | 15         | 22          |
| 41.     | Diploma in Textile Technology                     | 16         | 6          | 22          | 9          | 4          | 13          |
| 42.     | Diploma in Two Wheeler Mechanism & Maintenance    | 28         | 0          | 28          | 28         | 0          | 28          |
| 43.     | Diploma in Yoga Education                         | 1          | 3          | 4           | 1          | 2          | 3           |
| 44.     | D.Voc. Software Development                       | 8          | 2          | 10          | 6          | 2          | 8           |
| 45.     | D.Voc. Refrigeration & Air Conditioning           | 7          | 0          | 7           | 7          | 0          | 7           |
| 46.     | Certificate Course in Two wheeler Technician      | 18         | 1          | 19          | 18         | 1          | 19          |
|         | <b>Total</b>                                      | <b>486</b> | <b>669</b> | <b>1155</b> | <b>389</b> | <b>633</b> | <b>1023</b> |

## Research Projects: Completed

| Sl.No | Title of the Project  | Name of the Principal Investigator / Co-investigator | Duration   |            | Name of the funding Agency            | Total grant sanctioned (in Rs.) | Amount received during the year (i.e., FY 2019-2020 (in Rs.)) |
|-------|---|--|------------|------------|---------------------------------------|---------------------------------|---|
|       |   |  | From       | To         |                                       |                                 |   |
| 1.    | Rainfall Induced landslide Fore Weaning System for Lingaslide, Nilgiris South India – LINGASLIDE Project Phase – II                         | Dr.M.Muthukumar                                      | 10.12.2014 | 30.06.2018 | DST                                   | 2947600                         | 0   |
| 2.    | Socio-Economic Status of Women Manual Scavengers in Tamil Nadu  | Dr.M.Hilaria Soundari                                | 29.04.2016 | 28.04.2018 | ICSSR                                 | 600000                          | 0   |
| 3.    | Social and Health Consequences of Dyeing and Bleaching Industries in Karur District of Tamil Nadu   | Dr.R.Kumaran   | 01.06.2017 | 31.03.2019 | ICSSR                                 | 450000                          | 0   |
| 4.    | Evaluation the Rural Infrastructure Building Scheme THAI in Tamil Nadu  | Dr.G.Palanithurai                                    | 20.02.2013 | 19.02.2017 | State Planning Commission, Tamil Nadu | 470000                          | 0   |
| 5.    | Impact of MGNREGA contributes to the Strengthening of Safety Nets?  | Dr.G.Palanithurai                                    | 07.08.2015 | 06.08.2017 | IRMA                                  | 1200000                         | 0   |
| 6.    | Theoretical and Numerical Solutions for Fractional Order Optimal Control Problems   | Dr.P.Muthukumar                                      | 16.12.2015 | 15.12.2018 | DST-SERB                              | 1506000                         | 0   |
| 7.    | A Theoretical Study on Existence and Controllability Properties of Abstract Mathematical Model of Stochastic Partial Differential Equations | Dr.P.Muthukumar                                      | 30.01.2014 | 29.01.2017 | NBHM                                  | 1084854                         | 109291  |
| 8.    | Synthesis of Single-chain Polymer Nano-particles from Cyclic Polymers via Non-covalent Interactions   | Dr.M.Arunachalam                                     | 11.01.2016 | 10.01.2019 | DST-SERB                              | 2298000                         | 0   |
| 9.    | Trust based Authentication Mechanism for Mobile Ad Hoc Networks   | Dr.S.Sivagurunathan                                  | 01.04.2013 | 31.03.2017 | UGC                                   | 577000                          | 0   |
| 10.   | Computer Assistant Diagnosis for the Detection and  | Dr.P.Shanmugavadivu                                  | 10.11.2015 | 09.11.2018 | ICMR                                  | 1255100                         | 189000  |

|     |  |                      |               |            |          |                 |               |
|-----|--|----------------------|---------------|------------|----------|-----------------|---------------|
|     | Classification of Microcalcifications in Digital Mammograms using Fractal Techniques   |                      |               |            |          |                 |               |
| 11. | Automated Diagnostic tool for Segmentation and Classification of Renal Calculi in Ultrasound Images  | Dr.P.Shanmugavadivu  | 08.03.2016    | 07.03.2019 | DST-SERB | 1100000         | 0             |
| 12. | Indo-US 21st Century Knowledge Initiative, Augmenting the Curriculum of Higher Educational Institutions with an On-Line Integrated Cognitive-Based Employability Skills Assessment System using Signal and Video Analytics | Dr.P.Shanmugavadivu  | 02.07.2015    | 01.07.2018 | UGC      | 12500000        | 0             |
| 13. | Suryamitra Training programme  | Dr.V.Kirubakaran     | 2018          | 2019       | NISE     | 1302300         | 0             |
| 14. | Varunmitra Training Programme  | Dr.V.Kirubakaran     | 2018          | 2019       | NISE     | 1180000         | 0             |
| 15. | Solar Roof Top Grind Engineer Training Programme   | Dr.V.Kirubakaran     | 2018          | 2019       | NISE     | 1460000         | 0             |
| 16. | Conducting training Programme under MNRE – USAID PACE – DTA Programme  | Dr.V.Kirubakaran     | 2018          | 2019       | MNRE     | 4250000         | 0             |
| 17. | An imaging Spectroscopic Study of Ultramafic – Mafic Complexes and their Associated Mineral Resources in South India   | Dr.S.Arivazhagan     | 14.01.2016    | 13.01.2019 | DST-SERB | 1540000         | 0             |
| 18. | DST-FIST   | Dr.S.Anitha Pius     | November 2013 | 2018       | FIST     | 16500000        | 0             |
| 19. | Mathematical Science   | Dr.P.Balasubramaniam | 01.04.2014    | 31.03.2019 | FIST     | 4700000         | 0             |
| 20. | NBHM Library Books   | The Head             | 2018          | 2019       | NHBM     | 350000          | 350000        |
|     | <b>Total</b>   |                      |               |            |          | <b>57270854</b> | <b>648291</b> |

  
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## Research Projects: On-Going

| Sl. No. | Title of the Project   | Name of the Principal Investigator / Co-investigator | Date of Sanction   | Duration   |            | Name of the funding Agency            | Total grant sanctioned (in Rs.) | Amount received during the year (i.e., FY 2019-2020 (in Rs.)) |
|---------|--|--|--|------------|------------|---------------------------------------|---------------------------------|---|
|         |  |  |  | From       | To         |                                       |                                 |   |
| 1.      | Namavali of the Hindu Gods And Goddesses Reciprocity and Concordance   | Dr.R.Kesava Raja Rajan                               | 06.03.2020   | 06.03.2020 | 05.03.2022 | Indian Council of Historical Research | 250000                          | 0   |
| 2.      | RIMIG - POOM DWAR (River Migration and its Impact over Poompuhar / Dwarka Port Cities)   | Dr.M.Muthukumar                                      | 20.03.2019   | 20.03.2019 | 19.03.2022 | DST                                   | 3529900                         | 1400000   |
| 3.      | Can MGNREGS contribute to the Strengthening of Safety Nets?  | Dr.V.Ragupathy                                       | 25.02.2018   | 20.05.2018 | 19.05.2020 | ICSSR                                 | 3000000                         | 0   |
| 4.      | Empowering and Engaging Youth for Social Action through Social Media   | Dr.V.Ragupathy                                       | 26.08.2018   | 26.08.2018 | 25.08.2020 | RGNIYD                                | 800000                          | 0   |
| 5.      | Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)   | Dr.P.S.Sreedevi                                      | 17.07.2018   | 17.07.2018 | 17.07.2021 | PMMMNMTT MHRD                         | 95000000                        | 0   |
| 6.      | Developing Science Process Skills of Secondary Students through E-Content Package  | Dr.P.S.Sreedevi                                      | 17.07.2019   | 17.07.2019 | 17.07.2022 | NCERT                                 | 682500                          | 350000  |
| 7.      | Socio Economic Status and Educational Attainment of Female Children of Tea Garden Workers in Southern Districts of Tamil Nadu    | Dr.R.Bagdha Vatchala Perumal                         | 27.01.2020   | 27.01.2020 | 26.01.2021 | ICSSR                                 | 475000                          | 190000  |
| 8.      | Agrarian Distress and Cooperative in Tamil Nadu: A Study on the Functioning of Primary Agricultural Cooperative Credit Societies | Dr.K.Ravichandran                                    | 01.04.2019   | 01.04.2019 | 31.05.2021 | ICSSR                                 | 900000                          | 360000  |
| 9.      | Studies on Qualitative Properties of Hilfer Fractional Stochastic Dynamical System   | Dr.P.Balasubramanian                                 | 13.06.2018   | 13.06.2018 | 12.06.2021 | SERB (Matric)                         | 660000                          | 220000  |
| 10.     | UGC - Mid - Career Award   | Dr.P.Balasubramanian                                 | 27.01.2020   | 27.01.2020 | 27.01.2022 | UGC - BSR Mid-Career Award            | 1000000                         | 800000  |
| 11.     | Library Grant (every year)   | Professor & Head                                     | From 1999 to till financial year (Amount received as per year 4933000) | 27.01.2020 | Till year  | DAE - NBHM                            | 350000                          | 350000  |

|     |   |                   |            |            |            |                            |         |        |
|-----|---|-------------------|------------|------------|------------|----------------------------|---------|--------|
| 12. | UGC - Mid - Career Award  | Dr.R.Uthayakumar  | 03.09.2019 | 03.09.2019 | 03.09.2021 | UGC - BSR Mid-Career Award | 1000000 | 800000 |
| 13. | Stabilization of Network Control System with its Optimal Estimation   | Dr.P.Muthukumar   | 27.04.2017 | 21.06.2017 | 20.06.2020 | CSIR                       | 1500000 | 527909 |
| 14. | Studies on Passivity and Dissipativity Analysis of Discrete – Time Dynamical Systems  | Dr.G.Nagamani     | 22.02.2019 | 22.02.2019 | 21.02.2022 | DAE-NBHM                   | 1337100 | 591500 |
| 15. | Microwave assisted hydrothermal synthesis and characterization of binary and ternary metal oxide / carbon material nano composites and fabrication of asymmetric supercapacitor devices for energy storage applications | Dr.G.Muralidharan | 22.09.2014 | 22.09.2014 | 21.09.2017 | BRNS                       | 2450900 | 0      |
| 16. | Protection of Metallic Substrates Using Electropolymerized Films of Azole Derivations and Their Composite Coating   | Dr.M.G.Sethuraman | 12.05.2016 | 12.05.2016 | 11.05.2019 | CSIR                       | 1380000 | 249148 |
| 17. | Eco-friendly synthesis of fluorescent hetero-atom doped carbon dots and its application in bio-imaging and catalysis  | Dr.M.G.Sethuraman | 01.03.2018 | 01.03.2018 | 31.03.2021 | DST-SERB                   | 3206500 | 700000 |
| 18. | Development of biopolymeric functionalized resins /membranes for the selective removal of nitrate and phosphate   | Dr.S.Meenakshi    | 12.03.2018 | 12.03.2018 | 11.03.2021 | DBT                        | 2030800 | 0      |
| 19. | Synthesis and Characterization of chitosan based nanohybrid photocatalysts for the detoxification of toxic iron   | Dr.S.Meenakshi    | 23.02.2017 | 23.12.2017 | 22.12.2020 | SERB                       | 4345000 | 800000 |
| 20. | Development of new Biopolymeric Functionalized Resins /Nanocomposites Hybrid Materials for the Removal of Heavy Metals Irons  | Dr.S.Meenakshi    | 22.11.2018 | 27.12.2018 | 26.12.2021 | DRDO                       | 5463400 | 0      |
| 21. | UGC - Mid - Career Award  | Dr.K.P.Elango     | 23.10.2018 | 23.10.2018 | 22.10.2020 | UGC - BSR Mid-Career Award | 1000000 | 0      |
| 22. | Generic Smart IOT Electrochemical Platform Technology for Biomedical Applications   | Dr.S.Abraham John | 15.05.2018 | 15.05.2018 | 14.05.2021 | DST                        | 2023000 | 544800 |

|     |   |                     |            |            |            |            |         |         |
|-----|---|---------------------|------------|------------|------------|------------|---------|---------|
| 23. | Carbon Nanomaterials Functionalized Metal Nanoparticles as Fluorescent and Electrochemical Sensors for Clinically Relevant Biomolecules   | Dr.S.Abraham John   | 24.01.2017 | 24.01.2017 | 31.05.2020 | DST - SERB | 3390508 | 550000  |
| 24. | Metabolically Versatile Paracoccus Sp., for the Bioremediation of toxic and harmful Xenobiotics for Waste Water - A Prospect of Genomic Exploitation                                | Dr.S.Abraham John   | 13.06.2017 | 13.06.2017 | 12.12.2020 | DBT        | 2323200 | 719713  |
| 25. | Synthesis of Stimuli Responsive Supramolecular Single-Chain Polymer Nanoparticles based on Molecular Recognition of Pillar [5]arene   | Dr.M.Arunachalam    | 20.05.2019 | 01.08.2019 | 31.07.2022 | CSIR       | 1871000 | 337333  |
| 26. | Microbial Soil Stabilization: Evaluation of Strength and Structural Properties of Compressed stabilized Earthen Blocks  | Dr.S.Davidravindran | 04.02.2019 | 04.02.2019 | 03.02.2021 | KSCSTE     | 100000  | 50000   |
| 27. | Reassessment of population status, In vitro propagation and Restoration of three Endemic and Endangered Rudraksha trees (Elaeocarpus spp.) of Western Ghats                         | Dr.R.Ramasubbu      | 05.02.2019 | 05.02.2019 | 04.02.2022 | DBT        | 2639600 | 0       |
| 28. | Assessment of population status, In vitro propagation and Restoration of two Endemic and Endangered Rudraksha trees (Elaeocarpus Venustus Bedd. and E-munroii Mas) of Western Ghats | Dr.R.Ramasubbu      | 17.03.2020 | 17.03.2020 | 16.03.2023 | SERB       | 2493832 | 1024936 |
| 29. | In vitro propagation, Reintroduction and in-situ conservation of Paphiopedilum druryi (Bedd.) Stein; a strict endemic and Critically Endangered Orchid of the Western Ghats'        | Dr.R.Ramasubbu      | 02.04.2018 | 02.04.2018 | 30.10.2020 | SERB       | 2329347 | 356400  |
| 30. | Development of Computational Methods for Automatic Detection and Classification of Alzheimer's Brain MR Images  | Dr.P.Kalavathi      | 20.02.2017 | 20.02.2017 | 19.02.2021 | SERB       | 2202000 | 300000  |

|     |  |  |            |            |            |   |         |         |
|-----|--|--|------------|------------|------------|---|---------|---------|
| 31. | Development of Wavelet based Near - Lossless 3D Medical Image Compression Technique for Telemedicine Services        | Dr.P.Kalavathi                             | 06.08.2019 | 06.08.2019 | 05.08.2022 | CSIR  | 632000  | 632000  |
| 32. | Design and Development Mud based Geopolymeric Masonry and Paver Blocks using Industrial and Agro Wastes              | Dr.K.Mahendran                             | 04.06.2018 | 04.06.2018 | 03.06.2021 | SERB  | 3061000 | 200000  |
| 33. | Modernization and Removal of Obsolescence Scheme (MODROB)  | Dr.V.Kirubakaran                           | 22.03.2019 | 2019       | 2021       | AICTE   | 1855000 | 1855000 |
| 34. | Suryamitra Training programme  | Dr.V.Kirubakaran                           |            | 2019       | 2020       | NISE  | 904946  | 904946  |
| 35. | Varunmitra Training Programme  | Dr.V.Kirubakaran                           |            | 2019       | 2020       | NISE  | 1180000 | 1180000 |
| 36. | Solar Roof Top Grind Engineer Training Programme   | Dr.V.Kirubakaran                           |            | 2019       | 2020       | NISE  | 1022000 | 1022000 |
| 37. | Modernization and Removal of Obsolescence Scheme (MODROB)  | Dr.V.Kirubakaran                           |            | 2019       | 2020       | AICTE   | 1855000 | 1855000 |
| 38. | One Time Grant for Up gradation of the Laboratory  | Dr.V.Kirubakaran                           | 14.05.2019 | 14.05.2019 | 13.05.2020 | MNRE  | 4250000 | 4242178 |
| 39. | Decadal Scale Change Analysis of Coastal Ramanathapuram District   | Dr.B.Gurugnanam                            | 04.08.2018 | 04.08.2018 | 03.08.2021 | ISRO  | 2955000 | 0       |
| 40. | Lithological and chronological characterization of selected lunar mare regions using lunar hyperspectral data        | Dr.S.Arivazhagan                           | 17.08.2016 | 17.08.2016 | 16.08.2019 | ISRO  | 1726000 | 450623  |
| 41. | Remote Geochemical and Mineralogical Analysis of Surface of Mars with Mars Orbiter Mission Data                      | Dr.S.Arivazhagan                           | 08.08.2016 | 08.08.2016 | 07.08.2019 | ISRO  | 2093000 | 468157  |
| 42. | Situation Analysis on Child Marriage in Dindigul District  | Dr.L.Raja                                  | 18.11.2019 | 01.01.2020 | 01.12.2020 | District Child Welfare Officer                  | 761200  | 608960  |
| 43. | Gandhigram Creach and Children's Project   | Dr.L.Raja                                  | 01.08.2019 | 01.04.2019 | 31.03.2020 | AFN, Italy                                      | 884500  | 884500  |
| 44. | Rajiv Gandhi National Creche Centre  | Dr.L.Raja                                  | 31.03.2020 | 01.04.2019 | 31.03.2020 | CSWB, ICDS and GRI                              | 1773720 | 1663010 |
| 45. | UGC-SAP (III) – DRS-1<br><br>Title: Preservation, Documentation of Folk & Tribal Lore Sothern District of Tamil Nadu | PI.Dr.O.Muthiah &<br>Co.PI.Dr.V.Rajaratnam | 30-08-2018 | 30.08.2018 | 29.08.2023 | UGC - SAP 70,00,000/- + 2 Project Fellow Actual | 7000000 | 0       |

|     |   |   |            |            |            |                                 |          |         |
|-----|---|---|------------|------------|------------|---------------------------------|----------|---------|
| 46. | UGC - SAP   | Dr.K.Ravichandran                             | 12.11.2015 | 12.11.2015 | 11.11.2020 | UGC - SAP                       | 0        | 0       |
| 47. | UGC – SAP (DRS - I to DRS - II)   | Dr.M.G.Sethuraman                             | 28.03.2018 | 28.03.2018 | 27.03.2023 | UGC - SAP (DRS - I to DRS - II) | 10500000 | 491173  |
| 48. | Qualitative behavior of Dynamical Systems and Mathematical Modelling  | Dr.P.Balasubramanian                          | 27.03.2018 | 01.04.2018 | 31.03.2023 | UGC - SAP (DRS - II to DSA - I) | 6035000  | 1036683 |
| 49. | Special Assistance Programme of UGC, DRS Level II   | Dr.V.Ragupathy                                | 14.06.2018 | 14.06.2018 | 13.06.2023 | UGC - SAP (DRS - I to DRS - II) | 3200000  | 540000  |
| 50. | UGC Special Assistance Programme (SAP-DRS-I)  | Dr.P.Shanmugavadivu                           | 20.06.2018 | 20.06.2018 | 19.06.2023 | UGC - SAP                       | 4100000  | 560000  |
| 51. | DST-FIST  | The Head,                                     | 18.11.2015 | 18.11.2015 | 2020       | FIST                            | 12200000 | 0       |
| 52. | FIST Level I  | Dr.P.Shanmugavadivu                           | 18.11.2015 | 18.11.2015 | 17.11.2020 | FIST                            | 4500000  | 0       |
| 53. | Empowering Tribal Women Through Education in Dindigul District  | Dr.P.S.Sreedevi *                             | 27.03.2019 | 27.03.2019 | 26.03.2020 | PMMMNM TT                       | 497700   | 0       |
| 54. | Blended Learning an Innovative Pedagogical Practice among Prospective Teachers – A Novice Vision of Teacher Education in the Dindigul India | Dr.N.Devaki *                                 | 28.03.2019 | 28.03.2019 | 27.03.2020 | PMMMNM TT                       | 409500   | 0       |
| 55. | Teacher Efficacy of Higher Secondary Teachers of Rural Schools in Tamil Nadu in Relation to their Stress                                    | Dr.P.Ponnusamy *                              | 27.03.2019 | 27.03.2019 | 26.03.2020 | PMMMNM TT                       | 330750   | 0       |
| 56. | A KAP study Online Learning among the Students and Teachers of Management in Tamil Nadu   | Dr.M.Soundarapandian *                        | 20.03.2019 | 20.03.2019 | 20.03.2020 | PMMMNM TT                       | 372750   | 0       |
| 57. | Development and Validation of Nutrition Education Programme for School Going Children   | Dr.S.S.Vijayanchali *                         | 08.03.2019 | 08.03.2019 | 07.03.2020 | PMMMNM TT                       | 362250   | 0       |
| 58. | Development of Assessment Rubrics Framework for MOOCs Using Machine Language  | Dr.P.Shanmugavadivu and M.Mary Shanthy Rani * | 08.03.2019 | 08.03.2019 | 07.03.2020 | PMMMNM TT                       | 320250   | 0       |
| 59. | Impact of Vocational Training on Skill Development and Employment : A Study in Tamil Nadu   | Dr.R.Ventaka Ravi *                           | 08.03.2019 | 2019       | 2020       | PMMMNM TT                       | 374850   | 0       |



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**Faculty Participation in Orientation Programmes / Professional Development Programme / Refresher Courses/ Short-Term Course / Faculty Development Programmes (FDP)**

| Name of the teacher          | Title of the professional development programme                                   | International / National /State | Organizer of the Programme & Place  | Sponsoring Agency              | Date and Duration (DD/MM/YYYY) |            | No. of Days |
|------------------------------|---|---------------------------------|---|--------------------------------|--------------------------------|------------|-------------|
|                              |   |                                 |   |                                | From                           | To         |             |
| <b>Orientation Programme</b> |   |                                 |   |                                |                                |            |             |
| Dr. N. Devaki                | Orientation Training  | N                               | Avinashilingam Institute for Home Science and Higher Education, Coimbatore  | ---                            | 10.02.2020                     | 16.02.2020 | 6           |
| Dr.R.Bagdha Vatchala Perumal | Orientation Course  | N                               | HRDC, Pondichery Central University   | MHRD                           | 25.07.2019                     | 14.08.2019 | 21          |
| Dr. G. Nagamani              | National Service Scheme (NSS) Orientation Training                                | S                               | Empanelled training Institution (ETI), Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Tamil Nadu | NSS                            | 10.02.2020                     | 16.02.2020 | 7           |
| <b>Refresher Course</b>      |   |                                 |   |                                |                                |            |             |
| Dr. S. Chidambaram           | Tamil Language & Literature   | N                               | UGC-Human Research Development Centre and Bharathidasan University, Trichirappalli  | UGC-Human Research Development | 01.08.2019                     | 14.08.2019 | 14          |
| Dr. T. Anantha Vijayah       | Refresher Course in English   | N                               | UGC-HRDC, BPS Mahila Viswavidyalaya Khanpur Kalan, Haryana  | MHRD                           | 28.11.2019                     | 11.12.2019 | 14          |
| G. Vidya                     | Refresher Course in French  | N                               | UGC-MHRD Pondichery University, Puducherry  | MHRD                           | 21.08.2019                     | 03.09.2019 | 14          |
| David Jeyaraj Franklin       | Refresher Course in English Language Teaching (ARPIT) through SWAYAM              | N                               | Gujarat University  | MHRD                           | 01.09.2019                     | 31.12.2019 | 122         |
| Dr.P.Ponnusamy               | ARPIT – Refresher Course (arp19-ap58)   | N                               | Central University of South Bihar   | ARPIT-NTA                      | 01.10.2019                     | 15.01.2020 | 107         |
| Dr. P. Muthukumar            | UGC sponsored Refresher Course in Mathematical Science (Mathematics & Statistics) | N                               | UGC- Human Resource Development Centre, University of Calicut, Kerala   | UGC                            | 09.12.2019                     | 21.12.2019 | 10          |
| Dr. P. Kalimuthu             | Online Refresher Course in Chemistry for Higher Education Faculty (2019)          | N                               | SWAYAM online Portal  | MHRD, New Delhi                | 08.10.2019                     | 16.02.2020 | 132         |

|                          |   |   |   |   |            |              |     |
|--------------------------|---|---|---|---|------------|--------------|-----|
| Dr. M. Seenivasa Perumal | UGC Sponsored refresher course in chemistry   | N | Bharathidasan University, Trichirapalli   | UGC   | 20.09.2019 | 03.10.2019   | 14  |
| Dr. R. Ramasubbu         | Refresher course in Botany  | N | Bharathi University, Coimbatore   | UGC, New Delhi  | 12.09.2019 | 25.09.2019   | 14  |
| A Thahira Banu           | Refresher Course In Home Science  | N | UGC-HRDC Madurai kamaraj university Madurai   | UGC, New Delhi  | 05.02.2020 | 18.02.2020   | 14  |
| Dr Sahul Hameed          | Recent Trends in Home Science   | N | Human Resource Development Centre, Madurai Kamaraj University, Madurai  | UGC, New Delhi  | 02.02.2020 | 18.02.2020   | 14  |
| <b>Short-Term Course</b> |   |   |   |   |            |              |     |
| Dr. K. Sundar            | Research Methodology Course - Inclusion of Labour in Rural India  | N | Centre for Study of Social Exclusion and Inclusive Policy, Gandhigram Rural Institute (Deemed to be University), Gandhigram, Dindigul | V.V. Giri National Labour Institute, Noida, Uttar Pradesh | 06.01.2020 | 10.01.2020   | 5   |
| Dr. M. Hilaria Soundari  | Online - Understanding Open Educational Resources (MOOC)  | I | Commonwealth of Learning (COL), Canada - Online   | COL, Canada   | 03.01.2020 | 23.01.2020   | 21  |
| Dr.P.S. Sreedevi         | Workshop on Training of Teachers (ToT)  | N | UGC-HRDC Pondicherry University   | UGC   | 06.09.2019 | 06.09.2019   | 1   |
| Dr.P.S. Sreedevi         | National Workshop on "Training of Teachers for Student Induction Programme"                               | N | Bharathiar University   | UGC   | 30.10.2019 | 31.10.2019   | 2   |
| Dr.P.S. Sreedevi         | PFMS training in connection with implementation of Expenditure, Advance Transfer (EAT) Module of PMMMNMTT | N | MHRD, New Delhi   | MHRD  | 19.12.2019 | 19.12.2019   | 1   |
| Dr. G. Nagamani          | SWAYAM NPTEL – Introduction to Abstract and Linear Algebra  | N | MOOC Course conducted by Department of Mathematics, IIT - Madras  | MHRD, India   | 26.08.2019 | 18.10.2019   | 54  |
| Dr.K.S.Pushpa            | Training - Leadership for Academician Programme (LEAP)  | N | Indian Institute of Technology, Bombay  | MHRD, NEW DELHI   | 25.02.2020 | 07.03.2020   | 14  |
| Dr Sahul Hameed          | Online Course - Functional Foods and Nutraceuticals   | N | UGC- Human Resource Development Centre, Rashtrasant Tukadoji Maharaj Nagpur University  | Swayam  | July 2019  | October 2019 | 108 |
| Dr.P.Shanmugavadi u      | Short Term Course   | N | LeadingIndia.ai& Mumbai   | Advanced Deep Learning                                    | 02.12.2019 | 06.12.2019   | 5   |
| Dr.M.Mary Shanthi Rani   | Short Term Course   | N | LeadingIndia.ai& Mumbai   | Advanced Deep Learning                                    | 02.12.2019 | 06.12.2019   | 5   |

| Faculty Development Programme |   |   |  |  |                |            |    |
|-------------------------------|---|---|--|--|----------------|------------|----|
| Dr.P.S.Sreedevi               | Design, Develop & Deliver MOOC Courses through SWAYAM Platform  | N | NIEPA, New Delhi   | NIEPA-MHRD   | 05.08.2019     | 10.08.2019 | 06 |
| Dr. N. Devaki                 | Managing online classes and co-creating moocs:2.0   | N | PMMMNMTT Ramanujan College, University of Delhi                                      | MHRD - PMMMNMTT  | 18.05.2020     | 03.06.2020 | 17 |
| Dr.R.BagdhaVatchala Perumal   | Managing online classes and co-creating moocs:2.0   | N | PMMMNMTT Ramanujan College, University of Delhi                                      | MHRD - PMMMNMTT  | 18.05.2020     | 03.06.2020 | 17 |
| Dr.R.BagdhaVatchala Perumal   | Open Source Tools for Research  | N | PMMMNMTT Ramanujan College, University of Delhi                                      | MHRD - PMMMNMTT  | 08.06.2020     | 14.06.2020 | 07 |
| Dr.P.Ponnuchamy               | National Consultative meet on Critical Role of Central Universities in Transforming Teacher Education | N | NIEPA, New Delhi   | NIEPA, New Delhi   | 20.01.2020     | 21.01.2020 | 02 |
| Dr.R. Kumaran                 | FDPon "Qualitative Research Methods and Research Writings"  | N | Swayam portal  | NPTEL  | September 2019 | March 2020 | 82 |
| Dr.K.Dhevan                   | Faculty Development Programme (online)  | N | Tezpur University, Assam   | School of Management Science Tezpur University                       | 11.05.2020     | 15.05.2020 | 5  |
| Dr.K.Dhevan                   | Faculty Development Programme (online)  | N | KTHM college, Nashik   | UGC-HRDC, Savithri phule Pune University, Faculty Development Centre | 29.06.2020     | 08.07.2020 | 10 |
| Dr G.Mahadevan                | Effective Use of Digital Technology to Enhance Teaching – Learning                                    | N | Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore | Shiksha Sanskriti Utthan Nivas (SSUN)                                | 19.05.2020     | 23.05.2020 | 5  |
| Dr G. Mahadevan               | Managing Online Classes and Co-creating Moocs: 2.0  | N | University of Delhi  | MHRD, Govt of India  | 18.05.2020     | 03.06.2020 | 14 |
| Dr G. Mahadevan               | Open Source Tools for Research  | N | University of Delhi  | MHRD, Govt of India  | 08.06.2020     | 14.06.2020 | 7  |
| A Thahira Banu                | Managing online classes and Co creating MOOCS   | N | PMMMNMTT, Ramanujan College New Delhi  | MHRD, New Delhi  | 18.05.2020     | 03.06.2020 | 18 |
| Dr Sahul Hameed               | Technology Dissemination on Design and Development of Functional Foods                                | N | College of Food and Dairy Technology, TANUVAS, Chennai                               | AICTE, New Delhi   | 14.10.2019     | 25.10.2019 | 14 |

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|                        |   |   |  |                 |            |            |    |
|------------------------|---|---|--|-----------------|------------|------------|----|
| Dr. P. Shanmugavadivu  | Faculty Development Programme on "Artificial Intelligence"  | N | AICTE Training and Learning (ATAL) Academy, National Institute of Technology, Raipur           | AICTE           | 22.09.2019 | 26.09.2019 | 5  |
| Dr.M.Mary Shanthi Rani | "Neural Networks and Deep Learning using Python"  | N | School of Computing and Information Technology, Reva University, Bengaluru                     | --              | 01.06.2020 | 05.06.2020 | 5  |
| Dr.M.Mary Shanthi Rani | Research Perspectives: Transition from Industry 4.0 to 5.0  | N | Dept. of Computer Science, Bharathiyar University, Coimbatore                                  | --              | 15.06.2020 | 20.06.2020 | 6  |
| Dr.P.Kalavathi         | One Week Faculty Development Programme on ICT Tools   | N | Dept. of Information Technology, Sree Vidyanikethan Engineering College, Tirupati              | --              | 11.05.2020 | 16.05.2020 | 6  |
| Dr.P.Kalavathi         | One Week Faculty Development Programme on Advances in Python (Django and Flask), Python for Data Science and Cyber Security | N | Dept. of Computer Science and Engineering, Chadalawada Ramanamma Engineering College, Tirupati | --              | 21.05.2020 | 27.05.2020 | 7  |
| Dr.T. Kalaiselvi       | Managing online classes and co-creating moocs:2.0   | N | PMMMNMTT Ramanujan College, University of Delhi  | MHRD - PMMMNMTT | 18.05.2020 | 03.06.2020 | 17 |



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## Visits Abroad by Faculty

| Name of the Staff / Designation | Place of visit | Period     |            | Purpose   | Organizer   |
|---------------------------------|----------------|------------|------------|---|---|
|                                 |                | From       | To         |   |   |
| Dr.P. Anandakumar               | Australia      | 12.11.2019 | 27.11.2019 | Participated in Tamil Literary Events   | Australia Tamil Association at Sydney and Melbourne, Australia  |
| Dr. K. Kesava Rajarajan         | China          | 25.10.2019 | 29.10.2019 | Conference  | Sichuan University, Chengdu, China  |
| Dr. K. Kesava Rajarajan         | Singapore      | 30.10.2019 | 02.11.2019 | Museum documentation  | National Museums, Singapore   |
| Dr.P.S.Sreedevi                 | Malaysia       | 01.10.2019 | 04.10.2019 | Participated and Presented paper on Technology Rich Innovative Learning Societies in VUCA World                                     | Institut Aminuddin Baki Genting Highlands, Malaysia.  |
| Dr.M.Hilaria Soundari           | Columbia       | 31.09.2019 | 06.10.2019 | Paper presentation  | University of Antioquia, Columbia   |
| Dr.M..Soundrarapandian          | Srilanka       | 29.01.2020 | 02.02.2020 | Conference  | Institution of Chankasel Accounts (ICCA), Sri Lanka   |
| Dr.R.Seerangarajan              | USA            | 30.10.2019 | 10.11.2019 | Workshop  | University of California, Davis, USA  |
| Dr.B. Senthil Kumar             | Japan          | 19.11.2019 | 21.11.2019 | Present a paper "International Congress on Sericulture and Silk Industry"   | Tsukuba International Congress Epochal, Tsukuba, Japan  |
| Prof.P.Balasubramaniam          | Malaysia       | 19.11.2019 | 21.11.2019 | Participated and delivered an invited talk on "Noise Analysis of Band Pass Filters using fractional Stochastic Electrical Circuits" | Association of Asia Pacific Physical Societies (AAPPS) and Institut Fizik Malaysia at Borneo Convection Centre Kuching, Sarawak, Malaysia |



**REGISTRAR**  
Gandhigram Rural Institute  
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Gandhigram - 624 302.  
Dindigul Dist, Tamilnadu.

## Awards and Achievements by Faculty Members

| Name of the Awardee   | Details of Award  | Awarding Agency  | Sponsor  | Level         | Date of Award |
|-----------------------|---|--|--|---------------|---------------|
| Dr. K. Sundar         | Poetry Translation Award  | Poet Atmanam Trust   | Poet Atmanam Trust   | National      | 23.11.2019    |
| Dr.P.S.Sreedevi       | "Dr. A.P.J Abdul Kalam Best Young Scientist Award" for Best Services in the field of Scientific Research and Education. | Bose Science Society under Tamil Nadu Scientific Research organisation, Tamil Nadu | Bose Science Society   | National      | 28.02.2020    |
| Dr. N. Devaki         | Best Educationist   | Human Care , Human Rights Protection(HCHRP)  | Human Care , Human Rights Protection(HCHRP)                                  | National      | 07.03.2020    |
| Dr.P. Balasubramaniam | UGC-BSR- Mid-Career Award   | University Grants Commission, New Delhi  | University Grants Commission, New Delhi                                      | National      | 27.01.2020    |
| Dr. R. Uthayakumar    | UGC-BSR- Mid-Career Award   | University Grants Commission, New Delhi  | University Grants Commission, New Delhi                                      | National      | 03.09.2019    |
| Dr.G.Mahadevan        | Life Time Achievement award   | Arunai International Research Foundation   | Arunai International Research Foundation                                     | National      | 12.10.2019    |
| Dr. P. Muthukumar     | Research Academic fellow  | Deakin University, Geelong Warun Ponds Campus, VIC 3220 Australia                  | Deakin University, Australia   | International | 03.02.2020    |
| Dr.G.Muralidharan     | Best Paper Award  | National Conference on Energy Science and Technology                               | M. Tech Energy Technology and M.Sc Energy Science, Periyar University, Salem | National      | 04.03.2020    |
| Dr. S .Abraham John   | UGC-BSR- Mid-Career Award   | University Grants Commission, New Delhi  | University Grants Commission, New Delhi                                      | National      | 05.03.2020    |
| Dr. P. Shanmugavadivu | Top 20 Influential Women Educators in Tamil Nadu  | Ulektz Wall of Fame  | The Academic Council of uLektz   | State         | 30.10.2019    |



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## Faculty Member Serving in Editorial Boards / Technical Committee (or) as Reviewer

| Name of the Faculty      | Nature of Role          | Name of the Journal / Conference  |
|--------------------------|-------------------------|---|
| Dr. K. Sundar            | Member, Editorial Board | Katcippilai, a Journal for Tamil Film Studies                                     |
| Dr. K. Sundar            | Member, Editorial Board | Akam Puram, a Journal for Art, Literature, Culture and Politics                   |
| Dr. A. Joseph Dorairaj   | Member, Editorial Board | Uniuoyo Journal of Humanities (University of Uyo, Nigeria)                        |
| Dr. G. Baskaran          | Member, Editorial Board | Language in India   |
| Dr.M.Hilaria Soundari    | Reviewer                | Journal of Social Work Education  |
| Dr.L.Raja                | Associate Editor        | Indian Journal of Adult Education   |
| Dr.R.Venkataravi         | Associate Editor        | Journal of Extension and Research (JER)   |
| Dr.R.Venkataravi         | Associate Editor        | Indian Journal of Millennium Development Studies [International Journal]          |
| Dr.M.Soundarapandian     | Executive Expert        | Journal of Extension and Research   |
| Dr.B.Senthil Kumar       | Reviewer                | Research Journal of Textile and Apparel Research                                  |
| Dr.B.Senthil Kumar       | Reviewer                | Journal of Industrial Textile   |
| Dr.B.Senthil Kumar       | Reviewer                | Journal of Institute of Engineers (series E)                                      |
| Prof. P. Balasubramaniam | Associate Editor        | Neural Processing Letters, Springer   |
| Prof. P. Balasubramaniam | Associate Editor        | International Journal of Intelligent  |
| Prof. P. Balasubramaniam | Associate Editor        | College Sadhana - Journal for Bloomers of Research                                |
| Prof. P. Balasubramaniam | Associate Editor        | International Journal of Innovative Computing, Information and Control            |
| Dr. P. Balasubramaniam   | Reviewer                | Stochastics   |
| Dr. P. Balasubramaniam   | Reviewer                | Stochastic Analysis and Applications, Taylor & Francis                            |
| Dr. P. Balasubramaniam   | Reviewer                | Nonlinear Dynamics, Springer  |
| Dr. P. Balasubramaniam   | Reviewer                | Applied Mathematics & Optimization, Springer                                      |
| Dr. P. Balasubramaniam   | Reviewer                | International Journal of Control, Taylor & Francis                                |
| Dr. P. Balasubramaniam   | Reviewer                | Applied Mathematics and Computation, Elsevier                                     |
| Dr. P. Balasubramaniam   | Reviewer                | Asian Journal of Control, Wiley   |
| Dr. P. Balasubramaniam   | Reviewer                | Neurocomputing, Elsevier  |
| Dr. P. Balasubramaniam   | Reviewer                | IEEE Transactions on Neural Networks and Learning Systems, IEEE                   |
| Dr. P. Balasubramaniam   | Reviewer                | Neural Networks, Elsevier   |
| Dr. P. Balasubramaniam   | Reviewer                | International Journal of Systems Science, Taylor & Francis                        |
| Dr. P. Balasubramaniam   | Reviewer                | Bulletin of Iranian Mathematical Society, Springer                                |
| Dr. P. Balasubramaniam   | Reviewer                | Numerical Methods for Partial Differential Equations, Wiley                       |
| Dr. P. Balasubramaniam   | Reviewer                | Telecommunication System, Springer  |
| Dr. P. Balasubramaniam   |                         | Transactions on Fuzzy Systems, IEEE   |
| Dr. P. Balasubramaniam   | Reviewer                | Transactions on Network Science and Engineering, IEEE                             |
| Dr. P. Balasubramaniam   | Reviewer                | Transactions on Circuits and Systems II – Express briefs, IEEE                    |
| Dr. P. Balasubramaniam   | Reviewer                | Transactions on Cybernetics, IEEE   |
| Dr. P. Balasubramaniam   | Reviewer                | Applied Mathematical Modeling, Elsevier   |
| Dr. P. Balasubramaniam   | Reviewer                | Cognitive Neuro Dynamics, Springer  |
| Dr. P. Balasubramaniam   | Reviewer                | Multimedia Tools and Applications, Springer                                       |
| Dr. P. Balasubramaniam   | Reviewer                | Iranian Journal of Science and Technology, Transactions of Electrical Engineering |
| Dr. P. Balasubramaniam   | Reviewer                | IEEE Access   |
| Dr. P. Balasubramaniam   | Reviewer                | Soft Computing, Springer  |
| Dr. P. Balasubramaniam   | Reviewer                | Circuits, Systems and Signal Processing, Springer                                 |
| Dr. R. Uthayakumar       | Reviewer                | Applied Mathematics and Computation (Elsevier)                                    |
| Dr. R. Uthayakumar       | Reviewer                | Applied Mathematical Modeling (Elsevier)  |

|                    |                  |  |
|--------------------|------------------|--|
| Dr. R. Uthayakumar | Reviewer         | Journal of Computational and Applied Mathematics (Elsevier)                                      |
| Dr. R. Uthayakumar | Reviewer         | Computers in Biology and Medicine (Elsevier)   |
| Dr. R. Uthayakumar | Reviewer         | Medical Engineering & Physics (Elsevier)   |
| Dr. R. Uthayakumar | Reviewer         | Psychiatry Research (Elsevier)   |
| Dr. R. Uthayakumar | Reviewer         | Applied Soft Computing (Elsevier)  |
| Dr. R. Uthayakumar | Reviewer         | International Journal of Production Economics (Elsevier)   |
| Dr. R. Uthayakumar | Reviewer         | Omega (Elsevier)   |
| Dr. R. Uthayakumar | Reviewer         | The International Journal on Advanced Manufacturing and Technology (Springer)                    |
| Dr. R. Uthayakumar | Reviewer         | OPSEARCH (Springer)  |
| Dr. R. Uthayakumar | Reviewer         | International Journal of System Science (Taylor & Francis)                                       |
| Dr. R. Uthayakumar | Reviewer         | Computational and Mathematical Methods in Medicine (Hindawi)                                     |
| Dr. R. Uthayakumar | Reviewer         | Mathematical Problems in Engineering (Hindawi)   |
| Dr. R. Uthayakumar | Reviewer         | International Journal of Mathematical Modelling and Numerical Optimization (Inderscience)        |
| Dr. R. Uthayakumar | Reviewer         | African Journal of Business Management (Academic Journals)                                       |
| Dr. R. Uthayakumar | Reviewer         | British Journal of Mathematics & Computer Science (SCIENCEDOMAIN International)                  |
| Dr. R. Uthayakumar | Reviewer         | International Journal of Management and Business Studies (International Scholars Journals)       |
| Dr. R. Uthayakumar | Reviewer         | International Journal of Production Research (Taylor & Francis)                                  |
| Dr. R. Uthayakumar | Reviewer         | Mathematical Sciences (Springer)   |
| Dr. R. Uthayakumar | Reviewer         | The International Journal of Nonlinear Science (IJNS)  |
| Dr. R. Uthayakumar | Reviewer         | Journal of Scientific Research and Reports (SCIENCEDOMAIN International)                         |
| Dr. R. Uthayakumar | Reviewer         | RAIRO - Operations Research (EDP Sciences and Cambridge University Press)                        |
| Dr. R. Uthayakumar | Reviewer         | Biomedical Signal Processing and Control (Elsevier)  |
| Dr. R. Uthayakumar | Reviewer         | Computers & Industrial Engineering (Elsevier)  |
| Dr. G. Mahadevan   | Associate Editor | International Journal of Applied Graph Theory  |
| Dr. G. Mahadevan   | Associate Editor | Journal of Outreach  |
| Dr. G. Mahadevan   | Guest Editor     | Advances in Mathematics- A scientific Journal  |
| Dr. G. Mahadevan   | Reviewer         | Bulletin of Malaysian Mathematical Society   |
| Dr. G. Mahadevan   | Guest Editor     | International Journal of Applied Engineering Research  |
| Dr. G. Mahadevan   | Reviewer         | Inder Science Publications   |
| Dr. P. Muthukumar  | Reviewer         | The Journal of Franklin Institute  |
| Dr. P. Muthukumar  | Reviewer         | Nonlinear Analysis: Modelling and Control  |
| Dr. P. Muthukumar  | Reviewer         | Stochastic Analysis and Applications   |
| Dr. P. Muthukumar  | Reviewer         | Bulletin of the Malaysian Mathematical Sciences Society (BMMS)                                   |
| Dr. P. Muthukumar  | Reviewer         | International Journal of Control   |
| Dr. P. Muthukumar  | Reviewer         | Mathematical Methods in Applied Sciences   |
| Dr. P. Muthukumar  | Reviewer         | Optimal Control Applications and Methods   |
| Dr. P. Muthukumar  | Reviewer         | IEEE Access  |
| Dr. P. Muthukumar  | Reviewer         | Mathematical Problems in Engineering   |
| Dr. P. Muthukumar  | Reviewer         | Journal of Applied Mathematics   |
| Dr. P. Muthukumar  | Reviewer         | IEEE Transactions on Neural Networks   |
| Dr. P. Muthukumar  | Reviewer         | IEEE Transactions on Systems, Man, and Cybernetics: Systems                                      |
| Dr. R. Rajkumar    | Reviewer         | Journal of Algebra and its Applications  |
| Dr. R. Rajkumar    | Reviewer         | International Journal of Applied Graph Theory  |
| Dr. R. Rajkumar    | Reviewer         | International Conference on Computational Sciences- Modelling, Computing and Soft Computing 2020 |
| Dr. R. Rajkumar    | Reviewer         | Communications in Algebra  |

|                        |          |  |
|------------------------|----------|--|
| Dr. G. Nagamani        | Reviewer | Applied Mathematics and Computation  |
| Dr. G. Nagamani        | Reviewer | Applied Mathematics  |
| Dr. G. Nagamani        | Reviewer | Neuro Computing  |
| Dr. G. Nagamani        | Reviewer | IEEE Transaction on Cybernetics  |
| Dr. G. Nagamani        | Reviewer | IET Control Theory & Applications  |
| Dr. G. Nagamani        | Reviewer | Choas, Solitons & Fractals   |
| Dr. G. Nagamani        | Reviewer | International conference on impact of innovations in science and technology for societal development |
| Dr. G. Nagamani        | Reviewer | IEEE Transactions on Neural Networks and Learning Systems  |
| Dr. G. Nagamani        | Reviewer | Fuzzy Sets and Systems   |
| Dr. G. Nagamani        | Reviewer | IEEE Transactions on Systems, Man and Cybernetics: Systems   |
| Dr. G. Nagamani        | Reviewer | Journal of Control and Decision  |
| Dr. G. Nagamani        | Reviewer | Iranian Journal of Fuzzy Systems   |
| Dr. G. Nagamani        | Reviewer | International Journal of Robust and Nonlinear Control  |
| Dr. G. Nagamani        | Reviewer | Physica A  |
| Dr.S.Aripnammal        | Reviewer | Materials Today : Proceedings  |
| K.Marimuthu            | Reviewer | Journal of Luminescence  |
| P. Nithiananthi        | Reviewer | Journal of Physics and Chemistry of Solids   |
| Dr. M. Sundaravadivelu | Reviewer | International Research Journal of Pure And Applied Chemistry   |
| Dr. M. Sundaravadivelu | Reviewer | Journal of Adhesion Science and Technology   |
| Dr. M. Sundaravadivelu | Reviewer | International Research Journal of Pure And Applied Chemistry   |
| Dr. M.G. Sethuraman    | Reviewer | Progress In Organic Coatings   |
| Dr. M.G. Sethuraman    | Reviewer | Carbohydrate Polymers  |
| Dr. M.G. Sethuraman    | Reviewer | Journal of Materials Science   |
| Dr. M.G. Sethuraman    | Reviewer | Journal of Applied Electrochemistry  |
| Dr. M.G. Sethuraman    | Reviewer | Journal of Corrosion Science And Engineering   |
| Dr. M.G. Sethuraman    | Reviewer | International Journal of Electrochemistry  |
| Dr. M.G. Sethuraman    | Reviewer | Journal of Applied Surface Science   |
| Dr. M.G. Sethuraman    | Reviewer | European Journal of Chemistry  |
| Dr. S. Meenakshi       | Reviewer | Chemical Engineering Journal   |
| Dr. S. Meenakshi       | Reviewer | Journal of Advanced Research   |
| Dr. S. Meenakshi       | Reviewer | Journal of Hazardous Materials   |
| Dr. S. Meenakshi       | Reviewer | Journal of Colloid And Interface Science   |
| Dr. S. Meenakshi       | Reviewer | International Journal of Biological Macromolecules   |
| Dr. S. Meenakshi       | Reviewer | Journal of Molecular Liquids   |
| Dr. S. Meenakshi       | Reviewer | International Journal of Biological Macromolecules   |
| Dr. S. Meenakshi       | Reviewer | Journal of Chemical & Engineering Data   |
| Dr. S. Meenakshi       | Reviewer | Bioresource Technology   |
| Dr. S. Meenakshi       | Reviewer | Journal of Polymers and the Environment  |
| Dr. Anitha Pius        | Reviewer | Journal of Food Science and Technology   |
| Dr. Anitha Pius        | Reviewer | Journal of Saudi Chemical Society  |
| Dr. Anitha Pius        | Reviewer | Environmental Earth Science  |
| Dr. Anitha Pius        | Reviewer | Journal of Food Science and Technology   |
| Dr. Anitha Pius        | Reviewer | Scientific Reports   |
| Dr. Anitha Pius        | Reviewer | Sustainable Water Resource Management  |
| Dr. Anitha Pius        | Reviewer | Chemistry Central Journal  |
| Dr. Anitha Pius        | Reviewer | Transaction of Non Ferrous Metals Society of China   |
| Dr. Anitha Pius        | Reviewer | Environmental Earth Science  |
| Dr. Anitha Pius        | Reviewer | Carbohydrate Polymers  |
| Dr. Anitha Pius        | Reviewer | Journal of Saudi Chemical Society  |
| Dr. Anitha Pius        | Reviewer | Research on Chemical Intermediates   |
| Dr. Anitha Pius        | Reviewer | Journal Of Saudi Chemical Society  |
| Dr. Anitha Pius        | Reviewer | Biomacromolecules  |
| Dr. Anitha Pius        | Reviewer | Fibers and Polymers  |

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|                          |                             |  |
|--------------------------|-----------------------------|--|
| Dr. K.K.Satheesh Kumar   | Reviewer                    | Polymer Composite  |
| Dr. K.K.Satheesh Kumar   | Reviewer                    | Journal of Adhesion Science and Technology   |
| Dr. M. Seenivasa Perumal | Reviewer                    | Chemical Papers  |
| Dr. M. Arunachalam       | Reviewer                    | ACS Macro Letters  |
| Dr. R. Ramasubbu         | Reviewer                    | International Symposium on Plant Taxonomy and Ethnobotany  |
| Dr. R. Ramasubbu         | Reviewer                    | 29 <sup>th</sup> annual conference of Indian association of Angiosperm taxonomy and symposium on modern trends in biosystematics |
| Dr.S.S. Vijayanchalli    | Editorial Board             | Journal of Extension and Research  |
| Dr. Tahira Banu A        | Associate Editor            | Journal of Extension and Research  |
| Dr. P. Shanmugavadivu    | Reviewer                    | IEEE Access  |
| Dr. P. Shanmugavadivu    | Reviewer                    | Computers and Electrical Engineering (ELSEVIER)  |
| Dr. P. Shanmugavadivu    | Reviewer                    | Computers in Biology and Medicine(ELSEVIER)  |
| Dr. P. Shanmugavadivu    | Reviewer                    | Multidimensional Systems and Signal Processing (SPRINGER)  |
| Dr. P. Shanmugavadivu    | Reviewer                    | Applied Sciences (MDPI-Multidisciplinary Digital Publishing Institute)   |
| Dr. P. Shanmugavadivu    | Reviewer                    | International Journal of E-Health and Medical Communications (IGI Global)  |
| Dr. P. Shanmugavadivu    | Reviewer                    | Informatica (An International Journal of Computing and Informatics)  |
| Dr. P. Shanmugavadivu    | Reviewer                    | Mathematical Problems in Engineering (Hindawi)   |
| Dr. P. Shanmugavadivu    | Reviewer                    | International Journal of Advanced Computer Research  |
| Dr.P.Kalavathi           | Reviewer                    | Journal of Computational and Theoretical Nanoscience   |
| Dr.P.Kalavathi           | Reviewer                    | Journal of Neuroscience Methods  |
| Dr.P.Kalavathi           | Reviewer                    | International Journal of Imaging Systems and Technology  |
| Dr.P.Kalavathi           | Reviewer                    | Journal of Computational Nanoscience   |
| Dr.P.Kalavathi           | Reviewer                    | International Journal of Transactions on Asian Language Information Processing   |
| Dr.P.Kalavathi           | Reviewer                    | International Conference CoCoNet'19  |
| Dr.P.Kalavathi           | Reviewer                    | International Conference SIRS'19   |
| Dr.T.Kalaiselvi          | Reviewer                    | Biocybernetics and Biomedical Engineering, Elsevier  |
| Dr.T.Kalaiselvi          | Reviewer                    | International Journal of Dynamical Systems and Differential Equations  |
| Dr.T.Kalaiselvi          | Reviewer                    | Imaging Science Journal  |
| Dr.T.Kalaiselvi          | Reviewer                    | International Journal of Bioinformatics Research and Applications  |
| Dr.T.Kalaiselvi          | Reviewer                    | Computers in Biology and Medicine  |
| Dr.M.Mary Shanthi Rani   | Reviewer                    | Journal of Computational and Theoretical Nanoscience   |
| Dr.M.Mary Shanthi Rani   | Reviewer                    | Jordanian Journal of Computers and Information Technology  |
| Dr.C.Sugumar             | Member, Technical Committee | Tamil Nadu State Volleyball Association  |



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## Patents Published / Awarded

| Name of the Faculty Member                             | Title of the Patent  | Level                      | Patent Status | Patent / File Number / Date of Award  |
|--|--|----------------------------|---------------|---|
|  |  | National/<br>International |               |   |
| Dr. A Thahira Banu,<br>Department of Home Science      | A Nutritional Rich Chocolate Composition   | National                   | Awarded       | Patent No.346611<br>11.09.2020  |
| Dr.K.Jayakumar,<br>Department of Physics               | Histogram Based Vibration Signature Analysis for the Detection of Ball Bearing Defects non-deductive method invented to find the wear and tear of ball bearing | National                   | Filed         | Docket No. : 9591<br>CBR. No. : 5833<br>Ref. No. : E-2 / 936 / 2015-CHE<br>Appl. No. : 1533 / CHE /2015 |
| Dr.R. I. Sathya,<br>Department of Home Science         | System and Method of Apparel Pattern making using scalable vector graphic filters  | National                   | Filed         | App.No:201641022083 / 28.06.2016 and December 2017  |
| Dr.S.Abraham John,<br>Department of Chemistry          | Colorimetric Metric detection of Endosulfan using 3 Amino – 5-Mecapto-1,2,4 – Triazole Capped Gold Nanoparticles (AMTR-AUNPS)                                  | National                   | Filed         | (App.No:201641022088 / 28.06.2016)  |
| Dr. K. K. Satheesh Kumar,<br>Department of Chemistry   | An Efficient Anode Backfill Based on Ion Conducting Paste and a Process Thereof  | National                   | Awarded       | Patent No.285572 / July 2017  |
| Dr.P.Shanmugavadivu,<br>Department of Computer Science | Adaptive Performance Oriented Medical Imaging System   | National                   | Filed         | 201941027396<br>09.07.2019  |
| Dr.T. Kalaiselvi,<br>Department of Computer Science    | An Image Processign for Artificial Neural Network using a Novel-e-Tanh Activation Function   | National                   | Filed         | 202141005055 /<br>Docket. No.10597<br>Dt.05.02.2021   |
| The Gandhigram Rural Institute (GRI)                   | Design Application   | National                   | Filed         | 330931-001<br>CBR. No.: 11724<br>10.07.2020   |



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## MoU Signed

| Sl.No | Name of the Department                           | Date of MoU Signed                                      | Organization with which MoUs Signed   | Purpose of MoU   |
|-------|--|---|---|--|
| 1.    | Dr.Ramachandran Library                          | 26.11.1996  | INFLIBNET Centre  | For Promotion of Sharing Library Resources   |
| 2.    | Dr.Ramachandran Library                          | 18.12.2002  | INFLIBNET Centre  | To enhance the network and communication infrastructure at the Indian Universities                 |
| 3.    | Dr.Ramachandran Library                          | 29.10.2013  | INFLIBNET Centre  | To promote open access to scholarly content generated in Universities                              |
| 4.    | Centre for Lifelong Learning                     | 21.07.2014  | Caterburg Christ Church, UK (International)   | Education and Extension  |
| 5.    | Centre for Lifelong Learning                     | 01.04.2015  | Carborundum Universal Limited Murugappa Group Chennai   | Selection of students for CUMI   |
| 6.    | Centre for Lifelong Learning                     | 2015  | Yamaha Motor Pvt. Ltd   | Skill Development  |
| 7.    | Centre for Lifelong Learning                     | 29.01.2015  | Sophia, Italy   | Faculty Exchange   |
| 8.    | Life Long Learning & Extension                   | From June 2016  | National Institute of Open Schooling (NIOS), New Delhi  | Institution for Conducting Programmes viz., Secondary and Senior Secondary Programmes              |
| 9.    | B.Voc. Farm Equipments Operation and Maintenance | 3 Years from June 2016                                  | Agricultural Machinery Manufactures Association (AMMA) – India, Coimbatore                                | Providing Training and Development in Agricultural Machineries and Equipments                      |
| 10.   | Rural Energy Centre                              | 3 Years from August 2016                                | Petroleum Conservation Research Association (PCRA), Chennai   | Energy Conservation in Agriculture Sector  |
| 11.   | Rural Energy Centre                              | 3 Years from August 2016                                | iPLON, India Pvt. Ltd, Chennai  | Students Internship and Joint Research Proposal on SMART GRID                                      |
| 12.   | Economics  | <b>Completed</b> 2016-2017 (Yearly Basis) December 2016 | Coconut Development Board (CDB), Cochin, Kerala   | Statistical Survey for Concurrent Estimation of Coconut Production in Dindigul and Theni Districts |
| 13.   | Deen Dayal Upadhyay – Kaushal Kendra             | 3 years from January 2017                               | The Director, Southern Region Farm Machinery Training and Testing Institute (SRFMTTI), Anantapur District | Training to Engineering Students   |
| 14.   | Rural Energy Centre                              | 5 years from January 2017                               | The Licensor, superintending Engineer, TANGEDCO/DED, Dindigul   | Installation of EB Substation at GRI   |

|     |  |                            |  |  |
|-----|--|----------------------------|--|--|
| 15. | Rural Energy Centre                                    |                            | Skill Council for Green Jobs (SCGJ), New Delhi   | Skill Training on Green Jobs   |
| 16. | Rural Energy Centre                                    | Years from February 2017   | NIVE, MNRE – Small Wind Turbine Training, Chennai  | Capacity Building Training Programme on Design, Installation & Maintenance of SWT  |
| 17. | Political Science                                      | 2 Years from February 2017 | Sri Aurobindo Society, Pondicherry   | Exchange Programme   |
| 18. | B.Voc  | 1 Year from June 2017      | TAFE, Kalladipatti Village, Nillakottai Taluk, Pandiya Rajapuram (Post), Dindigul District | Skill Development Training   |
| 19. | Registrar, GRI Lifelong Learning & Extension           | Since 2015                 | Sophia University, Italy   | Collaborative Research, Learning and Dissemination of Information  |
| 20. | Registrar, GRI B.Voc                                   | 01.06.2017                 | TAFE, Nillakottai Taluk, Pandiya Rajapuram, Dindigul District                              | Skill Development Training   |
| 21. | Registrar, GRI Centre for Entrepreneurship Development | 01.03.2018                 | Kolping India, Chennai   | Skill development Programme and EDP  |
| 22. | Computer Science                                       | 10.05.2018                 | Leadingindia.ai project, Bennett University, Greater Noida                                 | Lead Zonal Partner of Leadingindia.ai project  |
| 23. | Political Science and Development and Administration   | 31.07.2018                 | IRMA, Anand “Collaborative Research Project”   | Academic and Research promotion  |
| 24. | Centre for Rural Energy                                | 29.11.2018                 | Adani Green Energy Limited, Ahmadabad (National)   | Joint Skill Development; Students Placement / Internship; Students Projects; joint Research Activities and Joint Extension / Outreach Activities |
| 25. | Department of Physics                                  | 08.01.2019                 | Institute for Energy Technology, Kjeller, Norway   | Intellectual Property Rights (IPRs)  |
| 26. | Deen Dayal Upadhyay - Kaushal Kendra (DDU - KK), GRI   | 10.01.2019                 | Jayaraj Training Centre, Kodairoad, Dindigul   | Skill Development Training to B.Voc (Farm Equipment Operation and Maintenance)   |
| 27. | Department of Cooperation                              | 06.03.2019                 | Unnat Bharat Abhiyan (UBA) Indian Institute of Technology (IIT), Hauz Khas, New Delhi      | Identifying development challenges and evolving appropriate solutions for accelerating sustainable growth of rural India                         |
| 28. | Political Science and Development and Administration   | 11.04.2019                 | State Institute of RD and Panchayat Raj  | Joint research and joint collaboration for academic in research  |
| 29. | Deen Dayal Upadhyay - Kaushal Kendra (DDU - KK), GRI   | 30.04.2019                 | Tractors and Farm Equipment Ltd. and GRI   | Internship Training and Academics  |
| 30. | Deen Dayal Upadhyay - Kaushal Kendra (DDU - KK), GRI   | 17.05.2019                 | Agriculture Machine Manufacture Associate (AMMA)   | Internship Training and Academics  |

**REGISTRAR**

|     |   |            |   |  |
|-----|---|------------|---|--|
| 31. | School of Education                           | 01.04.2019 | Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT) | FIP, Training Programme and National / International Conference  |
| 32. | School of Agriculture and Animal Science      | 30.04.2019 | A.R Dairy Food Pvt. Ltd (Raaj Milk), Dindigul                                   | Students internship Programme  |
| 33. | Chemistry                                     | 10.04.2019 | Aurea Biolabs Pvt. Ltd. Kolenchery, Cochin, Kerala                              | Collaboratively on Clinical and Environmental Research Projects  |
| 34. | Centre for Entrepreneurship Development (CED) | 28.05.2019 | Kolping India National Office, Chennai  | Organize Capacity Building Exercise (CBE)  |
| 35. | Centre for Rural Energy                       | 16.10.2019 | Petroleum Conservation Research Association (PCRA), Chennai                     | To Promote Conservation of Petroleum Products in Agriculture Sector "PCRA" Conduct Activities in Agriculture Sector to Improve Fuel Conservation |



**REGISTRAR**  
Gandhigram Rural Institute  
(Deemed to be University)  
Gandhigram - 624 302.  
Dindigul Dist, Tamilnadu.

## Placement Details

### Name of the Organizations / Institutions where the students are placed:

- 7 Parallels Techno-Consultants Pvt. Ltd, Mumbai
- A to Z Steel company, RMTCC Colony, Dindigul – Madurai Road, Dindigul
- Agaram Public School, Dharapuram
- Amirtha Dairy, Erode
- Amman Traders, Arupukkottai
- Andal Electronics, Dindigul
- Annai College of Engineering, Kumbakonam
- Annai Terasa R.C Higher Secondary School, Vallam
- Anthem Biosciences Pvt. Ltd., Bangalore
- AVN Arogya Ayurvedhic Hospital
- Balaji Hotel, Dindigul
- Balaji Jewellery Shop, Pollachi
- Bellissimo Ventures Private Limited, Bangalore
- Biofertilizers Shop, Ichippalayam, Kodumudi, Erode
- CKIPL, Sivagangai
- Dairy Classic Icecream Pvt.Ltd., Bangalore
- Deduce Pvt. Ltd., Bangalore
- Diesel Pump Workshop, Palani Road, Dindigul
- Dindigul Spare & Service, Dindigul
- Dodla Dairy, Vedasanthur
- Electric Motor & Pump Company, Coimbatore
- Foxconn (Apple Phone Company), Chennai
- Gana Out Sourcing Pvt. Ltd, Melavakkam, Chennai
- Geoking, Chennai
- Gomathi Engineereing Service, Kunnathur – 638103
- Good Land Survey Pvt. Ltd, Chennai
- Govt. Higher Secondary School, Ananthagopalapuram, Pattukottai, Thanjavur District
- HCL, Chennai
- Hitech Refrigeration, Karur
- Holy Cross Convent, Chennai
- HR Admin in School, Mumbai
- ICDS, Kerala Nutrition, Kerala
- Ice Bar Company, Silukkuvarpatti
- ICICI Bank, Batlagundu
- Indian Army
- Indian Institute of Technology, Palakad
- JJ & Co, RO Water Company, Madurai
- Kanmani Yamaha, Dindigul
- Kannika Dairy Chilling Centre, Dindigul.
- Karur Govt. Higher Secondary School, Pudukottai District
- Krish Eco Tech, Dindigul
- Lab Technician, Reci Pharma, Bangalore
- LG Service, Dindigul
- Loyola Polytechnic College, Tulivendula, Andhrapradesh.
- LS Mills, Theni
- Mailsoft Solutions Pvt. Ltd, Bangalore
- Maran Garments, Kundrathur, Chennai
- Mepco Schlenk Engineering College, Sivakasi-626005, Virudhunagar



**REGISTRAR**  
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- MIT, Chennai
- Palani Municipality, Palani
- Thiruvannamalai Municipality, Thiruvannamalai
- Tirupathur Municipality, Tirupathur
- MYRADA, Hosur
- Nataraja TVS Motor's, Nilakottai
- National Institute of Wind Energy, Chennai
- Nattathi Nadar Hospital, Theni
- P & G Product Company Distributors, Dindigul
- Paavai Institute of Technology, Namakkal
- Paropokaram NGO, Kozhikode
- Patanjali, Vadakarai, Periyakulam
- Penguin Apparels, Vadipatti
- PG Teacher, Govt. Higher Secondary School, Kannukudi West, Thanjavur
- Postal Department, Govt. of India
- Premier Drip Irrigation, Dindigul
- R.V.Trust, Seelapadi, Dindigul
- Recipro Pharma, Bangalore
- Samsung Service Centre, Dindigul
- Sarathy TVS Showroom, Karur
- SB Blinding Product, Anna nagar, Chennai
- Shlokklabs in Tidle Park, Chennai
- Shree Shai (Dying company), Tiruppur
- Sivasakthi dyeing Ltd, Erode
- SMD Dairy, Thiruvannamalai
- Sornam Honda, Batlagundu
- Sornam Honda, Dindigul
- SP Apparels, Tirupur
- Sree Gokulam Medical College and Research Foundation, Trivandrum
- Sri Guru Infra Project, Dindigul
- Sri Venkateshwara Dairy, Chennai
- St. Antony Arts and Science for Women, Thamaraijadi
- Tamilnadu Police Service
- TATA Consultancy Services, Madurai
- The Gandhigram Institute of Rural Health and Family Welfare Trust, Ambathurai.
- The Gandhigram Rural Institute (DTBU), Gandhigram
- The Verandah Club, Coimbatore
- TRBCCC Hindi College, Pattapiram, Chennai
- TVS Tires, Madurai
- V.V.R Motor Pvt.Ltd., Suzuki Dealership
- Veega IIT, Tirupur
- Vellammal School, Theni
- VICIUUS Dyeing Company, Tirupur
- Virudhunagar Textiles Ltd, Virudhunagar
- Viveks Honda, Allinagaram, Theni
- Wipro, Bangalore
- Yaazhini Motors, KTM Dealership, Dindigul
- Yamaha Indian Motors Pvt. Ltd, Chennai
- Yasotha Motors, Periyakulam, Theni
- Zot Works Private Limited, Chennai



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## Awards and Achievements of Students / Scholars

| Name of the Student(s)   | Category                              | Name of the Achievements / Honour / Awards / Prizes | Level             | Organizer / Sponsor   | Date of Award            |
|--|---------------------------------------|---|-------------------|---|--------------------------|
|  | Academics/ Sports / Cultural / Others |   | I/N/S / R/U/ C/D* |   |                          |
| Priyadharshini Sowmya, D.<br>Vishwaram, S.<br>Hariharan, M.<br>Thangapandi, P.<br>Sarika, S.<br>Saravanakumar<br>Seetha, A.S.<br>Rishikumar, B.  | Mehandi                               | 2 <sup>nd</sup> Prize                               | S                 | 35 <sup>th</sup> South Zone Inter-University Youth Festival 'Alagu Fest – 2019,'Alagappa University, Karaikudi    | 18.12.2019 to 22.12.2019 |
| Priyadharshini Sowmya, D.<br>Vishwaram, S.<br>Hariharan, M.<br>Thangapandi, P.<br>Sarika, S.<br>Saravanakumar<br>Seetha, A.S.<br>Rishikumar, B.  | Mime                                  | 3 <sup>rd</sup> Prize                               | S                 | 35 <sup>th</sup> South Zone Inter-University Youth Festival 'Alagu Fest – 2019,'Alagappa University, Karaikudi    | 18.12.2019 to 22.12.2019 |
| Priyadharshini Sowmya, D.<br>Vishwaram, S.<br>Hariharan, M.<br>Thangapandi, P.<br>Sarika, S.<br>Saravanakumar<br>Rishikumar, B.<br>Neelaveni, P.   | Mime                                  | 3 <sup>rd</sup> Prize                               | N                 | Amity Unifest 35 <sup>th</sup> Inter-University Youth Festival – 2020, Amity University, Noida                    | 03.02.2020 to 07.02.2020 |
| Priyadharshini Sowmya, D.<br>Vishwaram, S.<br>Hariharan, M.<br>Thangapandi, P.<br>Sarika, S.<br>Saravanakumar<br>Rishikumar, B.<br>Neelaveni, P.   | Mehandi                               | 4 <sup>th</sup> place                               | N                 | Amity Unifest 35 <sup>th</sup> Inter-University Youth Festival – 2020, Amity University, Noida                    | 03.02.2020 to 07.02.2020 |
| Gurumoorthis, A.<br>Devendhiran, K.<br>Aravinth, P.<br>Sudhakar, R.<br>Gunabharathi, P.<br>Thulasi Rajan, K.<br>Ram Kumar, V.<br>Shiva, M.<br>Rajaganapathy, M.<br>Murugalakshmi, M.<br>Dhanalakshmi, S. | Cultural – Folk orchestra             | Participated  | I                 | KUK-SAU Fest 2020 – 13 <sup>th</sup> South Asian Universities Youth Festival, Kurukshetra University, Kurukshetra | 24.02.2020 to 28.02.2020 |
| Vishwaram, S.<br>Hariharan, M.<br>Thangapandi, P.<br>Saravanakumar, K.<br>Rishikumar, B.<br>Sarika, S.<br>Neelaveni, P.  | Cultural - Mime                       | Participated  | I                 | KUK-SAU Fest 2020 – 13 <sup>th</sup> South Asian Universities Youth Festival, Kurukshetra University, Kurukshetra | 24.02.2020 to 28.02.2020 |
| Sarah Helan Sathya (full-time research)  | Academics                             | Presented a paper                                   | I                 | "Althusserian Reading of Mo Yan's Frog" at the International Conference   | 29.03.2019 to            |

|  |                    |                                  |   |  |                            |
|--|--------------------|----------------------------------|---|--|----------------------------|
| scholar)   |                    |                                  |   | on Cultural Studies, Istanbul, Turkey  | 30.03.2019                 |
| Aryanathu.V  | Academics          | GRABS Best Young Research Award  | N | Tamil Nadu Association of Intellectuals and faculty And GRABS Educational Charitable Trust, Chennai  | 07.03.2020                 |
| C.Mettildamary<br>T.Ananthi<br>L.Glori Rexiba<br>E.Kalaiyarasi   | Cultural           | 3 <sup>rd</sup> Prize            | D | Inter collegiate competition at Anugraha College of Arts & Science at Dindigul   | 24.02.2020                 |
| S. Kabilan   | Spot Photography   | 1 <sup>st</sup> Prize            | D | Inter collegiate competition at Anugraha College of Arts & Science at Dindigul   | 24.02.2020.                |
| Mr.Vishnu Narayan Namboothiri  | Academics          | Best Paper Award                 | N | National Conference on Design and Applications of Emerging Materials (NCDAEM-2020), Post Graduate & Research Department of Physics, S.Vellaichamy Nadar College, Madurai, Tamilnadu, India | 19.02.2020                 |
| J.Preethi  | Academics          | The Best Researcher Award        | N | 8 <sup>th</sup> Indian Chitin Chitosan Society Symposium, ICT, Mumbai  | 2019                       |
| K. Jayaraj   | Academics          | Best Senior Researcher Award     | N | 2 <sup>nd</sup> International Award Summit, Global Education and Corporate Leadership, Jaipur, Life Way Tech India Pvt,Ltd   | 2019                       |
| Catherin Dalsi. J  | Sports             | 2 <sup>nd</sup> Prize            | S | Open Meet CM. Trophy at Dindigul (Athletics)   | 2020                       |
| Akhila Lakshmi .G<br>Sneha Varghese .K<br>Riya Persis Sunder<br>Aswathy .V<br>Amrutha .C.R<br>Mahima Gopi .S | Cultural           | 1 <sup>st</sup> Prize            | S | Intercollegiate Meet, The American College, Madurai  | 2020                       |
| Nanthini .P.A;<br>Susmitha .V; Sneha .S;<br>Jeyasakthi .C;<br>Mythily .M                                     | Academics          | 1 <sup>st</sup> Prize            | S | Intercollegiate Meet, The American College, Madurai  | 2020                       |
| Ayesha .S.R  | Academics          | 1 <sup>st</sup> Prize            | S | Intercollegiate Meet, The American College, Madurai  | 2020                       |
| Susmitha .S  | Academics          | 3 <sup>rd</sup> Prize            | S | Intercollegiate Meet, The American College, Madurai  | 2020                       |
| Namagiri Lakshmi .V  | Academics          | 2 <sup>nd</sup> Prize            | S | Intercollegiate Meet, The American College, Madurai  | 2020                       |
| Reshma Barveen .S<br>Gayathiri .S.S<br>Brindha Gobinathan<br>Keerthana .P<br>Swathi<br>Ramyra Priya .S       | Academics          | 2 <sup>nd</sup> Prize            | S | Intercollegiate Meet, The American College, Madurai  | 2020                       |
| Reshma Barveen .S  | Academics          | 1 <sup>st</sup> Prize            | S | Intercollegiate Meet, SOS Foundation (Squad of Selfless)   | 2020                       |
| Namagiri Lakshmi .V  | Academics          | 3 <sup>rd</sup> Prize            | S | Intercollegiate Meet, SOS Foundation (Squad of Selfless)   | 2020                       |
| M. Vigneshwaran and his team   | Cardamom harvester | 3 <sup>rd</sup> Prize<br>Rs.5000 | S | All India Science Exhibition on Food Processing - Open Day 2020, Indian Institute of Food Processing Technology, Thanjavur   | 15.09.2019 &<br>16.09.2019 |
| M. Vigneshwaran  | Cardamom harvester | Cash prize<br>Rs.1,00,000        | S | Tamilnadu Student Innovator 2019, Entrepreneurship Development & Innovation Institute Chennai  | 02.06.2020                 |
| M.Vigneswaran<br>II B.VOC FP   | Poster Making      | 1 <sup>st</sup> Prize            | D | World Breast Feeding Week, ICDS Dindigul   | 02.08.2019                 |
| K.Kaviya<br>II B.sc H.Sc<br>N.Navitha<br>I M.Sc HSEC   | Poster Making      | 2 <sup>nd</sup> Prize            | D | World Breast Feeding Week, ICDS Dindigul   | 02.08.2019                 |

|  |                          |                                 |   |  |                         |
|--|--------------------------|---------------------------------|---|--|-------------------------|
| Ms Somishon Keishing   | Best poster presentation | Cash prize of Rs.1500           | N | 33 <sup>rd</sup> Biennial Conference of Home Science Association of India, Faculty of Home Science, Avinashilingam Institute for Home Science and Higher Education | 24.01.2020              |
| A. Sangeetha III HSc   | Turn coat                | 3 <sup>rd</sup> Prize           | R | Intercollegiate Competition, Department of Food Processing & Technology Lakshmipathy Subbulakshmi College Madurai  | 27.09.2019              |
| Nishanthini II BVoc FP   | Spot photography         | 2 <sup>nd</sup> Prize           | R | Intercollegiate Competition, Department of Food Processing & Technology Lakshmipathy Subbulakshmi College Madurai  | 27.09.2019              |
| Vigneshwaran II BVoc FP and R. Kavyasri III HSc                        | Poster Making            | 2 <sup>nd</sup> Prize           | R | Intercollegiate Competition, Department of Food Processing & Technology Lakshmipathy Subbulakshmi College Madurai  | 27.09.2019              |
| Surya V, Gayathri.A, Sowndhrya. R, Durga Devi.M and Priya.S of III Hsc | Ad-Act                   | 3 <sup>rd</sup> Prize           | R | Intercollegiate Competition, Department of Food Processing & Technology Lakshmipathy Subbulakshmi College Madurai  | 27.09.2019              |
| V. Gunselvi and L.N Gowshika of III Hsc                                | Nutri quiz               | 3 <sup>rd</sup> Prize           | R | Intercollegiate Competition, Department of Food Processing & Technology Lakshmipathy Subbulakshmi College Madurai  | 27.09.2019              |
| K.Ponnidhi III Hsc   | Fashion Parade           | 1 <sup>st</sup> Prize           | R | Intercollegiate Competition, Department of Food Processing & Technology Lakshmipathy Subbulakshmi College Madurai  | 27.09.2019              |
| V.Kiruthigha II M.Sc FSN   | Kitchen Creativity       | 1 <sup>st</sup> Prize           | S | Intercollegiate cookery Competition, Department of Hoe Science Sri Meenakshi College for Women, Madurai  | 09.05.2020              |
| M.Reema Devi, II. M.Sc FSN   | Innovation               | 3 <sup>rd</sup> Prize           | N | Recipe Development -Antioxidant rich recipe, Cauvery College for Women, Trichy   | 05.07.2020              |
| B.Kamaraj S. Preethi   | CODIGO                   | Winner                          | S | TECHUTSAV – 2020, Thiagarajar Collage of Engineering, Madurai  | 04.03.2020              |
| S.Meenatchi T.Subash   | Bug Bots                 | Runner                          | S | TECHUTSAV – 2020, Thiagarajar Collage of Engineering, Madurai  | 04.03.2020              |
| P.Nandhika V.Joshwa Yagappan J.Manoj Kumar                             | Short Film Making        | 1 <sup>st</sup> Prize           | N | National Science Day Celebrations – 2020, GRI, The Gandhigram Rural Institute (DTBU),GRI   | 21.02.2020 - 28.02.2020 |
| G.Balasankari  | Sports                   | Scored 3 Points out of 7 rounds | S | UDC Golden Jubilee, Urumu Dhanalakshmi Collage (UDC, Kattur, Trichy.   | 02.02.2020              |
| J.Saravana Kumar B.Sowndarya V.Anis Fatima T.Subash                    | Quiz, Debugging          | Participated                    | N | A National level Technical Symposium, SBM College of Engineering and Technology, Dindigul  | 01.02.2020              |
| C.Ayyadurai R.Vishnu Priya S.Meenatchi                                 | Quiz                     | Participated                    | N | A National level Technical Symposium, SBM College of Engineering and Technology, Dindigul  | 01.02.2020              |
| S.Meenatchi  | Code Debugging           | Participated                    | N | A National level Technical Symposium, SBM College of Engineering and Technology, Dindigul  | 01.02.2020              |
| G.Balasankari  | Sports                   | Scored 5 Points                 | D | District level open chess tournament,  | 25.01.2020              |

REGISTRAR

|   |           |   |   |   |                          |
|---|-----------|---|---|---|--------------------------|
|   |           | out of 7 rounds                           |   | Dindigul District Chess Association   |                          |
| V.Sree Harsha   | Academics | Elocution                                 | U | Gurukula System, The Gandhigram Rural Institute (DTBU),GRI  | 17.01.2020 to 24.01.2020 |
| M.S.Sujitha Rani  | Academics | Prize money                               | N | The Director Adi – Dravidar Welfare, Chennai  | 2019-2020                |
| Bharani Priya A.,<br>Dineshkumar M.,<br>Naveen Romi J.,<br>Vijay Nepolean A | Academics | Best Paper                                | N | AICTE Sponsored National Conference on Energy and Chemicals from Biomass (NCECB)  | 10.10.2019 & 11.10.2019  |
| P. Gunabharathi   | Cultural  | 1 <sup>st</sup> Prize                     | N | KUK-SAUEST 2020 held at Kurusethra University, Kurushethra under the aegis of Association of Indian Universities, New Delhi | 24.02.2020 to 28.02.2020 |
| GRI Men Team  | Sports    | 4 <sup>th</sup> Place                     | D | District Volleyball Championship, Govt.Hr Sec School, Athoor  | 06.07.2019 & 07.07.2019  |
| M.Monashree   | Sports    | Gold Medal (73kgs Category)               | D | 16 <sup>th</sup> Dindigul District Taekwondo Championship, SDAT Stadium, Dindigul   | 19.07.2019               |
| M.Monashree   | Sports    | Gold Medal                                | S | 9 <sup>th</sup> Tamilnadu State Poomsae Teakwondo Championship, Salem   | 09.08.2019 to 11.08.2019 |
| GRI Men Team  | Sports    | 3 <sup>rd</sup> Prize with Trophy & Medal | D | District Ballbadminton Tournament, Kalapur, Sivaganga   | 12.08.2019               |
| N.Deepak Raja   | Sports    | Participated                              | N | 16 <sup>th</sup> Senior National Roll Ball Championship, PP Savani Chaitanya Vidya, Sankul Mota Varacha Abrama Road Gujarat | 22.08.2019 to 25.08.2019 |
| GRI Men Team  | Sports    | 2 <sup>nd</sup> Prize                     | D | District Volleyball Tournament, N.M.K Malaiyur Dindigul   | 17.08.2019               |
| GRI Men Team  | Sports    | 2 <sup>nd</sup> Prize Cash Prize Rs.8003  | D | District Kabaddi Tournament, Thavasimadai, Dindigul   | 17.08.2019 & 18.08.2019  |
| GRI Men Team  | Sports    | 3 <sup>rd</sup> Prize Rs.14001            | S | State Level Open Kabaddi Tournament, Paramakudi   | 17.09.2019 & 18.09.2019  |
| S.Pooja   | Sports    | 1 <sup>st</sup> Prize Shot-put            | D | District Athletic Meet, SDAT, Dindigul  | 04.10.2019               |
| R.Renuka Devi   | Sports    | 4 <sup>th</sup> Prize 400 Meters          | D | District Athletic Meet, SDAT, Dindigul  | 04.10.2019               |
| P.S.Shajan  | Sports    | Badminton Singles (II) Doubles (I)        | D | Dindigul District Badminton, SDAT, Dindigul   | 04.10.2019               |
| V.Pavithran   | Sports    | Badminton Singles (I) Doubles (I)         | D | Dindigul District Badminton, SDAT, Dindigul   | 04.10.2019               |
| A.Sangeetha   | Sports    | Badminton Singles (II) Doubles (I)        | D | Dindigul District Badminton, SDAT, Dindigul   | 04.10.2019               |
| J.Asti Princess Pinky   | Sports    | Badminton Singles (I) Doubles (I)         | D | Dindigul District Badminton, SDAT, Dindigul   | 04.10.2019               |
| G.P.Srinath   | Sports    | Long Jump 3 <sup>rd</sup> Prize           | D | District Athletic Meet, SDAT, Dindigul  | 04.10.2019               |
| M.Vignesh Perumal   | Sports    | 1500 M 3 <sup>rd</sup> Prize              | D | District Athletic Meet, SDAT, Dindigul  | 04.10.2019               |
| GRI Women Team  | Sports    | 1 <sup>st</sup> Place                     | D | Dindigul District CM Trophy Badminton, SDAT, Dindigul   | 11.02.2020 & 12.02.2020  |
| GRI Men Team  | Sports    | 4 <sup>th</sup> Place                     | D | Dindigul District CM Trophy Badminton, SDAT, Dindigul   | 11.02.2020 & 12.02.2020  |
| GRI Women Team  | Sports    | 3 <sup>rd</sup> Place                     | D | Dindigul District CM Trophy Volleyball, SDAT, Dindigul  | 11.02.2020 &             |

|  |        |  |   |   |                          |
|--|--------|--|---|---|--------------------------|
|  |        |  |   |   | 12.02.2020               |
| GRI Men Team                           | Sports | 2 <sup>nd</sup> Place                          | D | Dindigul District CM Trophy Volleyball, SDAT, Dindigul  | 11.02.2020 & 12.02.2020  |
| GRI Women Team                         | Sports | 4 <sup>th</sup> Place                          | D | Dindigul District CM Trophy Kabaddi, SDAT, Dindigul   | 11.02.2020 & 12.02.2020  |
| GRI Men Team                           | Sports | 2 <sup>nd</sup> Place                          | D | Dindigul District CM Trophy Kabaddi, SDAT, Dindigul   | 11.02.2020 & 12.02.2020  |
| GRI Women Team                         | Sports | 4 <sup>th</sup> Place                          | D | Dindigul District CM Trophy Basketball, SDAT, Dindigul  | 11.02.2020 & 12.02.2020  |
| GRI Men Team                           | Sports | 47 <sup>th</sup> Position                      | U | South Zone Inter – University Chess Tournament, GRI, Gandhigram   | 22.12.2019 - 25.12.2019  |
| GRI Men Team                           | Sports | Won 4 <sup>th</sup> Place (Cash Prize Rs.4000) | S | 32 <sup>nd</sup> State Level Inter-Collegiate Volleyball Tournament, GRI, Gandhigram  | 28.02.2020 to 01.03.2020 |
| GRI Men Team                           | Sports | Won 4 <sup>th</sup> Place (Cash Prize Rs.4000) | S | 27 <sup>th</sup> Kamaraj Sivasubramaniam & Senthilkumar Memorial State Level Basketball, GRI, Gandhigram                                  | 28.02.2020 to 01.03.2020 |
| GRI Men Team                           | Sports | 1 <sup>st</sup> Place                          | S | 2 <sup>nd</sup> State Level Inter – Collegiate Kabaddi Tournaments, GRI, Gandhigram   | 29.02.2020 to 01.03.2020 |
| <b>Students' Participation Details</b> |        |  |   |   |                          |
| GRI Men Team                           | Sports | Quarter Finals                                 | S | State level Inter – Collegiate Volleyball Tournament, American Collage Madurai  | 15.08.2019 to 16.08.2019 |
| GRI Men Team                           | Sports | First Round                                    | S | State level Inter – Collegiate Volleyball Tournament, SVN Collage Madurai   | 18.08.2019 to 19.08.2019 |
| GRI Men Team                           | Sports | Pre – Quarter Finals                           | S | State level Inter – Collegiate Kabaddi (M) Tournament, Loyola Collage Chennai   | 21.08.2019 to 22.08.2019 |
| GRI Women Team                         | Sports | Second Round                                   | U | South Zone Inter – University Women Kabaddi Tournament, VelTech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai | 03.10.2019 to 06.10.2019 |
| GRI Women Team                         | Sports | First Round                                    | U | Tamil Nadu Inter – University Kabaddi (M) Tournament, VelTech Rangarajan Dr.Sagunthala R&D Institute and Science and Technology, Chennai, | 08.10.2019 to 09.10.2019 |
| GRI Men Team                           | Sports | First Round                                    | R | Tamil Nadu State Level Basketball Championship (Zonal Level), Tamil Nadu Basketball Association   | 10.10.2019 to 13.10.2019 |
| GRI Men & Women Team                   | Sports | First Rounds                                   | S | Tamil Nadu Inter – University Handball (Men & Women) Tournaments, Periyar University, Salem   | 04.11.2019 to 05.11.2019 |
| GRI Men Team                           | Sports | Pre Quarter Finals                             | S | Tamil Nadu Inter – University Volleyball (M) Tournament, Noorul Isalm Higher Education, Kumaracoil  | 06.11.2019 to 08.11.2019 |
| GRI Women Team                         | Sports | Second Round                                   | U | South Zone Inter -University Handball Women tournament, University Calicut, Kerala  | 10.11.2019 to 14.11.2019 |
| GRI Men Team                           | Sports | First Round                                    | U | South Zone Inter -University Cricket Men tournament, University Mysore, Mysore  | 30.11.2019 & 01.12.2019  |

|                      |        |   |   |   |                          |
|----------------------|--------|---|---|---|--------------------------|
| GRI Men Team         | Sports | Second Round  | U | South Zone Inter -University Volleyball Men tournament, Krishna University, Vijayawada  | 24.11.2019 & 28.11.2019  |
| GRI Women Team       | Sports | Pre – Quarter Finals  | U | South Zone Inter -University Badminton Women team in tournament, Manipal University, Manipal                                      | 30.11.2019 & 04.12.2019  |
| GRI Women Team       | Sports | First Round   | U | South Zone Inter -University Volleyball Women tournament, SRM University, Chennai   | 06.12.2019 & 08.12.2019  |
| GRI Men Team         | Sports | Second Round  | U | South Zone Inter -University Basketball Men tournament, Hindustan University, Chennai   | 06.12.2019 & 10.12.2019  |
| GRI Men Team         | Sports | Pre Quarter Finals  | S | Tamil Nadu State Volleyball Championship Men tournament, SVN College, Madurai   | 03.12.2019 & 06.12.2019  |
| GRI Men Team         | Sports | Second Round  | U | South Zone Inter -University Handball Men tournament, Bangalore North University, Bangalore                                       | 21.12.2019 & 24.12.2019  |
| GRI Men Team         | Sports | Second Round  | U | South Zone Inter -University Ball Badminton Men tournament, SRM IST, Chennai  | 15.12.2019 to 17.12.2019 |
| GRI Men Team         | Sports | Qualifying Heats  | U | All India Inter - University Athletics Championship, Rajeev Gandhi University of Health Science, Mangalore                        | 31.12.2019 to 06.01.2020 |
| GRI Men Team         | Sports | First Round   | U | South Zone Inter – University Kabaddi (M) Tournament, Mangalore University, Mangalore   | 11.12.2019 to 14.12.2019 |
| GRI Men Team         | Sports | First Round   | U | South Zone Inter – University Football (M) Tournament, Vellore Institute Technology, Vellore                                      | 08.12.2019 to 10.12.2019 |
| GRI Women Team       | Sports | Second Round  | U | South Zone Inter -University Basketball Women tournament, SRM Arts & Science College, Chennai                                     | 14.12.2019 & 17.12.2019  |
| GRI Men Team         | Sports | First Round   | U | All India Inter - University Ball Badminton Men tournament, Mangalore University, Karnataka                                       | 29.01.2020 to 02.02.2020 |
| GRI Women Team       | Sports | Second Round  | U | All India Inter -University Ball Badminton Women championship, Andra University, Vishakapattanam                                  | 05.01.2020 to 10.01.2020 |
| GRI Men Team         | Sports | Qualifying Heats  | U | State Level Inter -University Athletic Meet, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore | 05.12.2019 to 07.12.2020 |
| GRI Men Team         | Sports | Second Rounds   | S | State Level Cenetary Volleyball Men Tournament, St.Joshep College, Trichy   | 19.02.2020 to 21.02.2020 |
| GRI Men & women Team | Sports | Men team Lost in Fourth Round<br>Women team Lost in Third Round | U | All India Taekwondo Men & Women Championship, Patiyala Punjabi University   | 10.03.2020 to 17.03.2020 |

Note: “\*” - I – International / N – National / S – State / R – Regional / U – University / C – College / D – District

## Extension through Community Outreach

The Gandhigram Rural Institute (Deemed to be University) is administered by the Ministry of Education, Government of India, and fully funded through UGC, New Delhi. It has developed academic programs in rural development, rural economics and extension education, rural oriented sciences, co-operation, development administration, rural sociology, English, Tamil and Indian languages. The institute is also offering engineering and technology related academic and vocational educational programs.

The Gandhigram Rural Institute (GRI) is quite active on campus as well as in the rural areas in the vicinity, for mutually benefitting and enriching one another. Besides its contribution in teaching at all levels, the Institute applies the learnings from both scientific and social sciences research to solve contemporary rural problems. The curriculum is a combination of theoretical, practical and extension approaches. The Institute has become home to many pioneering models of rural development programmes. The students and scholars who emerge from its portals meet the personnel needs of rural development programmes under various governmental and non-governmental organizations.

The three dimensional approach of higher education namely teaching, research and extension has become a highly celebrated model, earning global and nation wide appreciation. The Institute has been taking efforts to design its academic programs in tune with the demands of the society and industry by providing a learner-centric, transparent teaching and evaluation methods. Through action-oriented research and scientific research, the Institute contributes substantially to the research domains and concentrates on solving rural issues at micro levels. The participatory and decentralized governance of Gandhigram Rural Institute strives for achieving global standard of excellence in all dimensions of education without compromising on its rural character and Gandhian values.

In the context of sustainable development, rural extension has a very essential role to play. The responsibilities of Extension Service Providers (ESP) need to be comprehensive and holistic in contents and scope. More than technology transfer, it normally aims at the task of disseminating appropriate technologies and good practices.

Higher Education Institutes (HEI) as an Extension agencies need to exercise a more proactive and participatory role and serve as Knowledge and Information "Providers", initiating and facilitating mutually meaningful and equitable knowledge-based transactions among community, researchers, trainers, and other stakeholders. The new trends and developments to be integrated in rural extension are concerned with the fields of

- Approaches and Methods: Participation and other new approaches in adult education, farmer field schools, market orientation and value chains, livelihood concepts, knowledge and innovation systems;
- Structures and Organizational Issues: Privatization, decentralization, partnership and new dynamics in rural development;
- Extension Aids and Media Use: Ongoing digitalization, digital photography and video, classical internet services, including search engines, web services, opening up new dimensions of access to information, of e-learning and distance learning, and of networking among professionals as well as among clients.

In this context, it is pertinent to have an understanding of field level experiences of GRI as an Extension Service Provider (ESP) and the way it managed the Extension Services during the recent times, particularly in the 2019-20 academic year. This document presents the Community Out-reach and Extension Activities of the GRI in the following sub-themes:

- Village Placement Programme-Learning from the Field Experience
- Organization of Rallies
- Celebration of Nationally Important Days
- Study Tours and Exposure Visits
- Capacity Building at Grassroots including Technology Transfer Initiatives
- Unnat Bharat Abhiyan (UBA)
- Continuing Education under Open Schooling



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### Village Placement Programme - Learning from the Field Experience

The Village Placement Programme (VPP) is mandatory for all the students of all programmes offered at the Institute. It is intertwined with the curriculum of every programme. The duration of the programme is seven days every year, organized during the odd semester. It carries two credits. The primary objective of this programme is to enable the students to experience rural realities. More specifically, VPP aims at the following:

- Providing opportunities to the students to understand the different facets of rural communities;
- Enabling the students to relate classroom learning with the field realities;
- Sharing development information with the people; and
- Facilitating initiation and sustenance of socially relevant programmes and projects to benefit the rural communities.



The activities undertaken during the camps fall under the following categories:

- Surveys
- Shramdhan
- Health Camps
- Rallies and campaigns
- Demonstrations
- Resource talks
- Visits and interaction

**Survey:** Socio-economic surveys, Energy consumption surveys, Nutrition assessment surveys and Household income surveys were conducted during the camp period. They are subject-specific and problem-centric. The students undertook the surveys with the participation of the people. The other surveys conducted by the various Schools/Departments/Centres during this year were based on field level situations.

The surveys undertaken by the students gave them a comprehensive picture of the communities they are concerned about, the problems they studied, causes, consequences, and solutions, as expressed by the people concerned. Besides, the students also learnt the art and science of conducting surveys, the techniques of interviewing, etc.

**Shramdhan:** (Physical labour) is organized as an entry point activity to establish rapport with the community. The works under shramdhan are mainly carried out in public places, schools, temples, Panchayat premises, public roads, etc. with a view to create awareness on the importance of having a cleaner environment. Efforts were taken to involve the local people. Shramdhan teaches the philosophy of dignity of labour. The activities carried out under Shramdhan includes:

- Clearing bushes and thorny plants around public buildings like balwadies, schools, village libraries, overhead tanks, public roads, community halls, etc.;
- Plantation of Saplings;
- Cleaning of streets in the village, particularly removal of plastic materials; and
- Covering unused open borewells.

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**Health camps:** Organizing health camps during the period of stay is yet another activity carried out under VPP. Doctors from Primary Health Centres, Government Hospitals and Private Clinics participated and screened the villagers for any serious illnesses. Minor ailments were treated on the spot and medicines were provided. Animal health camps were also organized during the camp period. These camps were organized by the Departments during VPP. These camps largely helped in establishing rapport with the community. The old, disabled and vulnerable groups got benefitted during such camps.

**Demonstration:** With the support and guidance of staff, students conducted demonstrations on gainful activities. The students demonstrated the preparation of phenol to the public, sprinkler irrigation and drip irrigation usage to the farmers in villages, construction of soak pits, and conservation of water and rain water harvesting. The students, while organizing demonstration of experiments, were able to translate the skills they gained in the classrooms into action. These programmes also cultivated the art of demonstration among the students.



**Visits and Interactions:** The camps offered vast opportunities for the students to interact with various sections of the community, formal and informal leaders, members and office bearers of various formal and informal institutions, farmers, agricultural labourers, children, women, migrant workers and so on. The students visited the various institutions functioning within the villages. They met Anganwadi centre workers, Panchayat functionaries, SHG members, and local leaders. The students were exposed to a range of institutions and individuals who worked for the development of the villages. They could also understand the problems and challenges in running the institutions and shortcomings in the functioning of the Institutions. Such visits and interactions opened issues for project work and dissertations.

**Sports and Cultural programmes:** The students organized sports and cultural events, with the active involvement of the local community. Sports events were organized in the schools and prizes were distributed in the last evenings. Organizing of sports, games and cultural programmes ensured participation of the people especially the children, youth and women. They also brought out the innate talents of the students, and enhanced their organizing abilities.

**Exhibition:** Departments have organized exhibitions during the camp. These include exhibitions on Health, Sanitation and Hygiene, exhibitions on Bio-diversity and Wildlife preservation. Models were also

exhibited. Exhibitions, especially in schools, provided vast opportunities for the children to know more about environment, wildlife and the need for conservation of energy.

**Rallies and Processions:** Students evinced a great deal of interest in organizing rallies and processions within the villages. Sometimes, they also organized rallies cutting across two or three villages. The students were encouraged and trained to prepare placards that depicted the themes of the rallies and processions. An important aspect of the rallies and processions was that the SHG members and local school children were also involved. Appropriate themes such as importance of sanitary toilets and rainwater harvesting were selected. Organizing rallies and processions required systematic efforts. Students organized such rallies with all seriousness. The school children, SHGs, and local youth actively participated. Rallies and processions always ended with a plenary meeting, emphasizing the importance of the theme chosen.

The students and staff actively participated in the programmes. The activities were mostly organized by the students with the staff serving as guides and facilitators. The data related to Village Placement Programme for the period (2019-20) indicates that 1015 students have participated and gained first-hand experience from the fields. Around 63 per cent of them are girls. It should be noted that the participation of the teachers in VPP has increased over a period of time which reveals the interest evinced by the staff in such activities.

Thus, the GRI is practicing extension activities not only as the third dimension of Higher Education, but also as an opportunity to Learn from the Field. The village communities are considered as social laboratories to learn and teach on rural development.

| Village Placement Programme (VPP) organized by GRI – First Phase (16.09.2019 to 21.09.2019) |                                      |                    |                  |        |       |                   |
|---|--------------------------------------|--------------------|------------------|--------|-------|-------------------|
| Sl. No  | Name of the Dept.                    | Name of the Course | Student Strength |        |       | Camping Village   |
|   |                                      |                    | Male             | Female | Total |                   |
| 1.  | School of English                    | M.A(Eng.)          | 6                | 21     | 27    | Munnilaikottai    |
| 2.  | Dept. of Tamil                       | M.A(Tamil)         | 6                | 13     | 19    | Kalikkampatti     |
|   |                                      | M.A(Hindi)         | 1                | 2      | 3     |                   |
| 3.  | Centre for Gandhian Studies          | M.A                | 1                | 1      | 2     | Kalikkampatti     |
| 4.  | Centre for Development Studies       | M.A(RD)            | 6                | 2      | 8     | Kalikkampatti     |
| 5.  | Dept. of Cooperation                 | B.Com              | 23               | 27     | 50    | Kottaipatti       |
|   |                                      | M.Com              | 3                | 12     | 15    |                   |
| 6.  | Dept. of Economics                   | M.A                | 4                | 6      | 10    | Kottaipatti       |
| 7.  | Centre for Sociology                 | M.A                | 5                | 18     | 23    | Thoppampatti      |
| 8.  | Dept. of Political Science & DA      | MDA                | 17               | 19     | 36    | Jambuthuraikottai |
| 9.  | Dept. of Education                   | B.Ed               | 1                | 47     | 48    | Alamarathupatti   |
|   |                                      | M.Ed               | 0                | 2      | 2     |                   |
| 10.   | Centre for Geoinformatics            | M.Sc               | 8                | 12     | 20    | Alamarathupatti   |
|   |                                      | PG Dip.            | 4                | 2      | 6     |                   |
| 11.   | Dept. of Rural Industries Management | MBA                | 32               | 23     | 55    | Jallipatti        |
|   |                                      | BBA                | 16               | 28     | 44    | Kamalapuram       |
|   |                                      | DTT                | 16               | 8      | 24    | Oothupatti        |
| <b>Total</b>  |                                      |                    | 149              | 243    | 392   |                   |

  
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**Village Placement Programme (VPP) organized by GRI – Second Phase (23.09.2019 to 28.09.2019)**

| Sl. No       | Name of the Dept.         | Name of the Course | Student Strength |        |       | Camping Village   |
|--------------|---------------------------|--------------------|------------------|--------|-------|-------------------|
|              |                           |                    | Male             | Female | Total |                   |
| 1.           | Faculty of Agri. &AH      | Dip. Agri.         | 13               | 15     | 28    | Kallupatti        |
| 2.           | Department of Mathematics | B.Sc.              | 11               | 51     | 62    | Kottaipatti       |
|              |                           | B.Ed.              | 2                | 16     | 18    |                   |
|              |                           | M.Sc.              | 9                | 23     | 32    |                   |
| 3.           | Department of Physics     | B.Sc.              | 14               | 19     | 33    | Chettiyapatti     |
|              |                           | B.Ed.              | 2                | 12     | 14    |                   |
|              |                           | M.Sc.              | 10               | 14     | 24    |                   |
| 4.           | Department of Chemistry   | B.Sc.              | 12               | 27     | 39    | Jathigoundanpatti |
|              |                           | M.Sc.              | 15               | 16     | 31    |                   |
| 5.           | Department of Biology     | M.Sc. (Bot.)       | 8                | 14     | 22    | Thoppampatti      |
|              |                           | M.Sc. (Zoo.)       | 2                | 21     | 23    |                   |
|              |                           | M.Sc.(Mic.Bio.)    | 6                | 16     | 22    |                   |
| 6.           | Department of Home Sci.   | B.Sc.              | 8                | 27     | 35    | Kallupatti        |
|              |                           | B.Sc.(TFD)         | 9                | 15     | 24    |                   |
|              |                           | M.Sc.(FSN)         | 0                | 19     | 19    |                   |
| 7.           | Dept. of Computer Science | MCA                | 19               | 28     | 47    | Chatrapatti       |
| 8.           | Centre for Rural Tech.    | B.Tech.            | 20               | 8      | 28    | Munilaikottai     |
| 9.           | Centre for Rural Energy   | M.Tech.            | 9                | 8      | 17    | Chettiyapatti     |
| 10.          | Centre for App.Geology    | B.Sc.              | 19               | 11     | 30    | Rathinagiri       |
|              |                           | M.Sc.              | 4                | 11     | 15    |                   |
| 11.          | Centre for Rural Health   | S.I                | 25               | 35     | 60    | Ernagampatti      |
| <b>Total</b> |                           |                    | 217              | 406    | 623   |                   |



The major impacts of the programme are as follows:

- The students have gained first-hand knowledge and awareness on various socio-economic, political, and environmental issues of rural areas.
- By staying and learning together in villages, the barriers between the students and teachers had been removed.
- The cordial relationship between the institute and village communities had strengthened and has created opportunities for participatory development.
- By staying and working in the rural setting, the students have developed a spirit of service and voluntarism.
- Students learnt the art of adjustments to the ground realities and have developed the skill of managing crises.
- The VPP camps at villages by the various departments have inculcated certain values listed below:
  - Concern for the poor among the academics
  - Respect for local leaders and providing stage for them to voice their issues
  - Positive attitude towards the poor in the villages
  - Dignity of labour by working together with villagers
  - Improved ability to adjust to local conditions / facilities
  - Community living and understand their routine in the village setting
  - Sense of responsibility
  - Understanding to various issues in the rural areas
  - Possibly cracking religious / caste-based mental blocks
  - Team spirit among the students and teachers
  - Listening to people on their developmental needs



### Rallies and Programmes Organized

On important issues, various Departments / Centres of GRI organized rallies at the Village level. The main aim of such strategy is to create awareness among the rural community and demonstrate the concern of the GRI and its commitment to address the issues. Some of the Rallies conducted are enlisted below:

- Rally on Plastic Awareness and Plastic waste collection was done by B.Sc., Geology and M.Sc., Applied Geology and Geomatics students at Alamarathupatti village on 26-09-2019.
- Rally on Plastic Eradication was conducted by the Department of Biology, GRI, in Thoppampatty and Muthampatty villages on 24.09.2019. The students of second year M.Sc., Botany, Zoology and Microbiology participated in the rally and removed plastics from the streets and nearby agricultural lands.
- Exhibition on wildlife and biodiversity conservation programme was conducted by the Department of Biology, in the Villages of Thoppampatty and Muthampatty on 25.09.2019.
- Awareness Rally on Child Rights was organized by Department of Lifelong Learning and Extension and Gandhigram Trust on 05.01.2020.
- One day Educational Tour to Aliyar for the rural children was organized on 09.02.2020 by Gandhigram Crèche and Children's Project, Department of Lifelong Learning and Extension

- Annual Children's Mela (Meet) was organized on 01-03-2020 by Gandhigram Crèche and Children's Project, Department of Lifelong Learning and Extension

These programmes have given opportunities for the students to organize themselves and explain the aspects of the social, environmental issues at grassroots level. The Children's Mela (Meet) provided chance to the Children of the villages to exhibit their talents and skill through Drama, Painting and Cultural events. The students of GRI also learnt how to organize the programmes of public interest.



### Celebration of Nationally Important Days

The Department of Lifelong Learning and Extension took the responsibility of organizing celebrations on the Independence Day at village level. The details of such events are given under:

- 73<sup>rd</sup> Independence Day at Melkaraipudur under the Gandhigram Crèche and Children's Project, Department of Lifelong Learning and Extension on 15.08.2019
- Blood Donation Camp conducted at GRI on 15<sup>th</sup> August 2019 as part of Independence Day celebrations by Centre for Applied Geology
- Teachers Day Celebration on 05.09.2019 at Valayapatti by the Department of Lifelong Learning and Extension with Gandhigram Trust
- 150<sup>th</sup> Gandhi Jayanthi Day celebration at Ulagampatti on 04.10.2019 by the Department of Lifelong Learning and Extension
- International Women's Day at Chettiapatti Village on 08.03.2020 by Department of Lifelong Learning and Extension



This is one of the strategies of the GRI to nurture the relationship and commitment with the Service Villages. The events paved way for the rural students to exhibit their organizing abilities. Blood Donation Camp Conducted is a testimony for the commitment of the students and staff or the relief work in an emergency situation.

### Study Tours and Exposure Visits

Learning by Experience is an important strategy used by the GRI in its teaching process. The students are taken to the various Institutions and Organizations to understand the subject matter taught in the classrooms. This enables the students to apply and understand the concepts and principles in the real time visit to the various Institutions and Organizations. Various Departments have organized such programmes in the year 2019-20. They are presented hereunder:

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The Department of Cooperation organized visits for first and second year M.Com. (Cooperative Management) and Ph.D. Research Scholars as part of the extension programme. The Institutions visited are:

- Primary Agricultural Producers Cooperative Marketing Society, Erode, on 20<sup>th</sup> August, 2019. They also visited Erode District Cooperative Milk Producers Union (EDCMPU), Chitthode, one of the oldest and largest milk producers' union in Tamil Nadu.
- Gandhiji Weavers' Cooperative Society (GWCS), Chinnalapatti, Dindigul, on 14<sup>th</sup> December, 2019.
- Gandhigram Rural Institute Employees Cooperative Thrift and Credit Society (GRIECTCS), Gandhigram, Dindigul, on 17<sup>th</sup> December, 2019
- Primary Agricultural Cooperative Credit Society (SPACCS), Sanarpatti, and Natham Kovilpatti Primary Milk Producers Cooperative Society (NKPMPCS), Natham, Dindigul, on 7<sup>th</sup> January, 2020
- Dindigul District Consumer Cooperative Wholesale Store (DDCCWS) and Dindigul District Central Cooperative Bank (DDCCB), Dindigul, on 28<sup>th</sup> January, 2020
- Primary Agricultural Producers Cooperative Marketing Society (PAPCMS), Dindigul, on 25<sup>th</sup> February, 2020

The Centre for Development Studies and Department of Lifelong Learning and Extension have jointly organized programmes for the Students of the M.A., M.Phil. (Rural Development) as part of curriculum. Such study visits include the following:

- Gandhigram Trust-Lakshmi Seva Sangam, Gandhigram on 01.08.2019
- Deepam Trust, Batlagundu on 20-08-2019
- Community Funding for Children and Aged, Trichy on 26.08.2019
- Vidiyal NGO, Theni on 04.09.2019
- Kallikkampatti village Panchayat on 18.09.2019
- Gandhigram Panchayat – Anna Nagar-observe the Gram Shaba on 02.10.2019
- Christian Fellowship Hospital on 22.01.2020
- District Rural Development Agency (DRDA) on 25.02.2020
- Gandhi Ashram, Thiruchengodu on 04.03.2020
- DMSSS-Rural Self Employment Training Institute (NGO) on 11.03.2020
- Extension Activity of Mine Safety Awareness to the village people at Natham charnockite quarry, Dindigul 02.08.2019 by Centre for Applied Geology
- Kadavur Mineral resources and mine safety awareness programme was conducted to the village people on 06.09.2019 as part of extension work done by M.Sc., Applied Geology and Geomatics students
- Palm tree plantation at Alamarathupatti Village on 25-09-2019 and activity of Tree plantation done at Rathinagiri on 27.09.2019 by Centre for Applied Geology



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The Department of Rural Industries and Management has organized visits to some of the important processing / production units in Gandhigram and others places. They are as follows:

1. Krishi Vigyan Kendra, GRI - 11.08.2019
2. Dairy Farm–GRI - 17.09.2019
3. Dairy Products Unit, GRI - 18.09.2019
4. Post Harvest Processing Unit, Gandhigram Trust - 26.09.2019
5. Orchard, GRI - 19.12.2019
6. Shampoo manufacturing Unit, Gandhigram Trust - 26.09.2019
7. Glass Blowing centre, GRI - 22.08.2019
8. Papad Making Unit, Gandhigram Trust - 20.08.2019
9. Weaving Unit, Dept. of RIM, GRI - 20.08.2019
10. Aavin Milk Co–Operative industry, DIC, Dindigul - 19.09.2019
11. Soap Unit, Gandhigram Trust - 26.09.2019
12. Gandhi Museum, GRI - 17.09.2019
13. Gandhi Museum, Madurai - 10.10.2019
14. Energy Centre, GRI - 11.08.2019
15. Fruit Processing Unit, Dept. of RIM, GRI - 12.09.2019
16. Geology Centre, GRI - 22.08.2019
17. LSS Siddha Unit, Gandhigram Trust - 26.09.2019
18. Jaggery Making Industry, Alanganallur - 10.10.2019
19. Poultry Farm, GRI - 03.09.2019
20. Pulses Unit, DIC, Dindigul - 19.09.2019
21. Plastic Pot Industry, DIC, Dindigul - 19.09.2019
22. DDU Kaushal Kendra, GRI - 21.08.2019



Field visits were organized for the students of the Department of Home Science during the year 2019-20. The students visited a variety of Government and Non-Governmental institutions.

- |            |   |
|------------|---|
| 08.08.2019 | Peace Trust, Dindigul & Society for Serving Humanity, Sempatti.   |
| 05.09.2019 | ICDS-District Project Office, Dindigul.   |
| 18.09.2019 | District Differently Abled Welfare Office, Dindigul.  |
| 17.10.2019 | Vanagam, Nammalvar Ecological Foundation for Farm Research and Global Food Security, Kadavur, Karur District. |
| 17.10.2019 | Inba Seva Sangam, Sevapur, Kadavoor Taluk, Karur District.  |
| 24.10.2019 | Gandhigram Trust, Gandhigram.   |
| 05.09.2019 | ICDS-District Project Office, Dindigul.   |

|            |  |
|------------|--|
| 18.09.2019 | District Differently Abled Welfare Office, Dindigul.       |
| 24.10.2019 | Gandhigram Trust, Gandhigram.                              |
| 06.01.2020 | District Social Welfare Office, Collectorate, Dindigul.    |
| 20.01.2020 | Family Planning Association of India, Dindigul.            |
| 27.01.2020 | District Rural Development Agency, Collectorate, Dindigul. |
| 03.02.2020 | Mahalir Thittam Office, Collectorate, Dindigul.            |



### Capacity Building at Grassroots Including Technology and Knowledge Transfer Initiatives:

The Departments and Centres are actively engaged in capacity building efforts at various levels, particularly at the village level. The efforts include transfer of technology for enabling the rural people to improve their living condition and also develop their livelihood and environment. The major efforts made by the GRI during the year 2019-20 include the following:

Counseling sessions were held for children in four villages of Dindigul District, namely Melkaraipudur, Chettiapatti, Thopampatti and Aharam during 21-24 January 2020 as part of the Gandhigram Crèche and Children's Project by the Department of Lifelong learning and Extension

One day Refresher Training Programme for GRI Balwadi Teachers was organized on 13.02.2020 by Department of Lifelong Learning and Extension. Village Survey and Resource Mapping was done by the students of second year M.Sc., Botany, Zoology and Microbiology at Thoppampatty village, by the Department of Biology, GRI on 23.09.2019.

Teaching at Village Schools was done as part of the Extension Programme by the Department of Biology, GRI, Gandhigram at Kasturba Sevikashram School, Gandhigram; Dr.T.S.Soundharam Primary School, and Government Primary School, Gandhigram during February 2020 to March 2020.

Efforts were made for Science Teaching and demonstrations for 6<sup>th</sup> Class to 9<sup>th</sup> Class at Kasturba Sevikashram School, Gandhigram by second year students of the M.Sc Microbiology, programme during February 2020 and March 2020.

Technology Transfer Programme on vermi composting, mushroom cultivation, Azolla cultivation, and Ornamental fish culture was conducted in the Villages of Thoppampatty and Muthampatty on 26.09.2019 by the Department of Biology. The village people and school children benefited out of this programme. The students of second Year M.Sc., Botany, Zoology and Microbiology organized this event.

Likewise, Personal hygiene practices, Science Teaching & demonstrations and yoga practice were attempted for the Children of 3<sup>rd</sup> class to 5<sup>th</sup> Class in Dr. T. S.Soundaram Primary School and Government Primary School, Gandhigram by second year students of M.Sc Microbiology and Zoology during February 2020 and March 2020

A One day Training programme on Life Skills on 25.09.2019 was organized under the Gandhigram Creche and Children's Project, Department of Lifelong learning and Extension in collaboration with Aparajitha Foundation, Madurai

One day Training on Personality Development on 27.09.2019 was organized under the Gandhigram Creche and Children's Project, Department of Lifelong learning and Extension.

Students of second year M.Com. (Cooperative Management) and second year B.Com. (Cooperation) of the Department of Cooperation collected base line data from Kottaipatti village as part of their extension programme on 16.09.2019.

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The Department of Economics, as part of capacity building programme, has organized special lectures on important issues and themes as follows:

- On 07-08-2019, lecture on Strategies for Achieving Sustainable Development Goals was delivered by Dr.R.Karunakaran, Professor, Department of Cooperatives, College of Business & Economics, Hawassa University, Hawassa, Ethiopia.
- On 21-08-2019, lecture on Strategies for Third Gender Economic Development–An Insider's View was delivered by Dr. Bharathi Kannamma, Director, Bharathi Kannamma Trust, Madurai.
- On 03-10-2019, a lecture on Research in Agriculture Sociology was delivered by Dr.P.Muthuraman, Principal Scientist and Head, Training and Technology, Transfer Division, ICAR-Indian Institute of Rice Research, Hyderabad.
- On 17-10-2019, a lecture on Food Security Situation in India was delivered by Dr. R. Gopinath, Senior Scientist, M.S. Swaminathan Research Foundation, Chennai.
- On 30-10-2019, a lecture on Irrigation and Agriculture Productivity Improvement in India was delivered by Dr. K.Sivsubramaniyan, Professor, MIDS, Chennai.
- On 15-12-2019, a lecture on Quality Publication and Citation Matrix for Social Science Research was delivered by S.Lakshmanan, Publisher, Shanlax International Journals, Madurai.
- On 12-12-2019, a lecture on Nobel Laureates in Economics - 2019 was delivered by Dr. S.T.Bagalkote, Professor, Dept. of Studies in Economics, Karnatak University, Dharwad.
- On 10-01-2020, a lecture on Changing Requirements of Education in Labour Market was delivered by Dr. P. Geetharani, Professor, NIEPA, New Delhi.
- On 22-01-2020, a lecture on Skill Enhancement was delivered by Dr.R.P.Buwaneswari, Assistant Professor and Head, P.G. Dept. of Economics, N.K.R. Govt. Arts College for Women, Namakal.
- On 04-03-2020, a lecture on Climate Change and Water in India was delivered by Dr.A. Narayanamoorthy, Professor and Head, Department of Economics and Rural Development, Alagappa University, Karaikudi.
- The Centre for Applied Geology has organized various capacity building programmes that include
- Activity of structural mapping at Ottanchathram on 26.07.2019
- Dr.Anandakumar, Assistant Professor, School of Education, GRI-DU gave an invited talk on Biodiversity on 08-08-2019

The Department of Home Science has organized field based training programmes in the villages. The major programmes organized are given below:

- Assessment of the Socio-Economic Status of the Villagers of Anna Nagar by the second M.Sc.Food Science and Nutrition Students (December 2019)
- Clinical Assessment and study of Food Habits and Personal Hygiene of the children studying First Standard to Fifth Standard by the second B.Sc. Home Science students (December 2019)
- Guided IV<sup>th</sup> Standard children to create Bird Feeder, Flower Vase, Pen Stand and Wall Hangings etc. from waste plastic water bottles and shapes using Circles, Spirals and Ovals by the second B.Sc.Textiles and Fashion Design Students (December 2019)
- Vertical Training Programme for Block level Functionaries of Anganwadi Service Scheme from 26-08-2019 to 30-08-2019

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- Dr.T.S Soundaram Endowment Lecture on the Theme “Healthy people Healthy India” on 30.10.2019 was delivered by Dr A.J Asirvatham. Dr Pankajam, Former Vice Chancellor of GRI who instituted the Endowment was also present.



### **Continuing Education under Open Schooling Study in National Institute of Open Schooling – An Opportunity for Drop-outs**

The Department of Lifelong Learning and Extension is one of the oldest departments in the country working for Literacy improvement and vocational skill development in the rural areas. The department is also actively involved in providing opportunities for school dropouts and left-outs to continue their studies. This Continuing Education enables rural youth to complete their 10<sup>th</sup> standard or 12<sup>th</sup> standard that would help them to go for higher studies.

The Government of India has established National Institute of Open Schooling (NIOS) under the Ministry of Human Resource Development. The NIOS provides opportunity for the vertical linkage between drop-outs and higher education system in the country.



The department is running an NIOS accredited Study Centre for the last 16 years. This Study Centre provides support in admission, conduct of contact classes, tutorials and mentoring during examination in April and November every year.

During the last 16 years, the study centre has helped 1631 students to successfully complete 10<sup>th</sup> standard and 1324 students to successfully complete 12<sup>th</sup> standard under the NIOS. They appear for exams like NEET and also become eligible for appointment and promotion in State / Central Government jobs.

In the Year April 2020, about 200 students appeared for Secondary and Senior Secondary examination. As per the central government announcement due to COVID- 19, all the students were promoted. At present, there are about 100 students been admitted since January 2020. These students will take up examination in April – May 2021.



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## ACTIVITIES AND ACCOMPLISHMENT OF THE SCHOOLS / DEPARTMENTS / CENTRES

### Department of Tamil

#### PROFILE

The Department of Tamil is established in the year 1956, it is one of the oldest Departments in the Institute. They strive for National Integration through Languages & Literature. When the Institute got the Deemed University status, a separate Faculty called Faculty of Tamil, Indian Languages and Rural Arts was born. All the UG students take Tamil either under Part-I or Part-III. The Department has conceived a novel PG Programme viz., MA Tamil and Indian Literature which is being offered from 1984. Translation, Comparative Indian Literature, Folklore and Media Studies are the thrust areas of research. Under the recent reorganization, the Faculty became the School of Tamil & Indian Languages, follows the three language formula. The UGC has selected the School of Tamil & Indian Languages for financial support under Special Assistant Programme DRS-I. The department has a separate library with 6250 books, Encyclopedias and digital editions and also the department has a museum for National Poet and Patriot Sri Subramaniya Bharathiar, the only one of its kind in India. The staff members are specially trained in film criticism, epigraphy and translation and are conversant with two other Indian languages.



#### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme                                      | Year of Introduction |
|-------|--|----------------------|
| 1     | Ph.D   | 1990                 |
| 2     | M.Phil. Tamil                                  | 2008                 |
| 3     | M.A. Tamil and Indian Literature               | 1984                 |
| 4     | Diploma Course in Epigraphy                    | 2018                 |
| 5     | Certificate Course in News Reading & Anchoring | 2018                 |
| 6     | Certificate Course in Folk Arts                | 2018                 |
| 7     | Certificate Course in Epigraphy                | 2018                 |

#### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty     | Designation                      |
|-------|-------------------------|----------------------------------|
| 1.    | Dr.V. Rajarathnam       | Professor                        |
| 2.    | Dr. P. Anandakumar      | Professor                        |
| 3.    | Dr.V. Nirmalarani       | Professor & Head                 |
| 4.    | Dr.O. Muthiah           | Professor                        |
| 5.    | Dr.K. Sundar            | Assistant Professor              |
| 6.    | Dr.S. Chidambaram       | Assistant Professor              |
| 7.    | Dr.K. Kesava Raja Rajan | Assistant Professor in Fine Arts |

## THRUST AREAS OF RESEARCH

- ❖ Comparative Indian Literature
- ❖ Translation
- ❖ Folklore and Cultural Studies

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

### Dr. P. Anandakumar

1. Organised Bharathiyar Memorial Day Celebrations on 11 September 2019.
2. Organised the Gandhi Memorial Day Celebrations on "National Gandhi Memorial Day" on 73<sup>rd</sup> Gandhi Memorial Day Celebration on 30 January 2020.
3. Organised Mother Tongue Day Celebrations on "International Mother Tongue Day Celebrations" on 21 February 2020.

### Dr. V. Nirmalarani

1. Organised 5 days International Webinar on "International Webinar on Feminism – Literature – Media – Social" during 25 - 29 May 2020.

### Dr. O. Muthiah

1. Organised World Indigenous Day at Kaduguthadi and Kodaikkanal on 09 August 2019.
2. Organised University level World Folklore Day on 22 August 2019.
3. Organised Workshop on "Folklore Field Work" on 21 September 2019.
4. Organised Seminar on "Women Folklore" on 19 February 2020.

### Dr. S. Chidambaram

1. Organised a Two days Workshop cum Training Programmes on "Tamil Computing" from 19 December 2019 to 20 December 2020.
2. Organised a Webinar Seminar on "Feminism: Literature-Socio & Media " from 25 May 2020 to 29 May 2020.

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

### Dr. V. Rajarathnam

1. Presented a paper titled "Pen Kavingarkalin Kavithaikalil Marabum Marabu Meralum" at National Seminar on Anmaikkala Tamil Ilakkiyankalil Penniap Pathivukal, organised by GRI, Gandhigram during 17 & 18 October 2019.
2. Presented a Paper title "Oviyak Kalaiyil Thoiyil" at Inter National Conference on Regional Art: Molding Tradition with Modernity organised by Department of fine Arts, Alagappa University, Karaikudi during 09 & 10 December 2019.
3. Presented a Paper title "Kovalan Kunrak Kolkaiyana" at 15<sup>th</sup> Inter National Seminar on "ARR" All India Research Forum Chennai and Department of Tamil, GRI, Gandhigram during 14 & 15 December 2019.

### Dr. P. Anandakumar

1. Presented a paper titled "Tolkappiyamum Bakthanin Uraiataliyamum" at National Refresher Course in Tamil Language & Literature, organised by Bharathidasan University, Tiruchi on 09 August 2019.
2. Presented a paper titled "Pin kalaniya oppilakkiyak kolkaikal" at National Refresher Course in Tamil Language & Literature, organised by Bharathidasan University, Tiruchi on 09 August 2019.
3. Delivered a talk on "Valthurai" at the World Folklore Day Celebration organised by UGC and GRI, Gandhigram on 22 August 2019.
4. Presented a paper titled "Basics of Research Methodology" at National Workshop on Pathippithal, Kappurimai and Research, organised by The Standard Fireworks Rajarathnam Women's College during 29-30 August 2019.

5. Delivered a talk on "Bharathium Indiak kavingarkalum" at the Special Lecture on Bharathiyar Endowment Lecture organised by Bharathiyar Univerisity, Coimbatore on 16 September 2019.
6. Delivered Inaugural Address at the State level Tamil Association Programme organised by R.V.S. Kumaran Arts and Science College, Ayyalur on 20 September 2019.
7. Presented a paper titled "Thozhar Jeevavin Bharathi Aayvukal" at State level Seminar on Pa. Jeevanantham Memorial Day Celebration, organised by University of Madras, Chennai on 04 October 2019.
8. Presented a paper at two days National Seminar on Comparative Literature in Dravidian Languages", organised by Department of Tamil & Research Centre, Govt. College Chittur, Palakkad during 06-07 November 2019.
9. Delivered a Vote of Thanks at the International Seminar on Tamil Ilakkiyankalil Panpadu Kuritha Pathivukal organised by Department of Tamil, G.T.N. College and Pandiya Nattu Varalaru Research Centre and New Century Book House, Chennai on 25 January 2020.
10. Presented a paper titled "Raj Gowthamanin ilakkiya arasiyal" at National Seminar on Raj Gowthaman: Utaitha Panuvalkalum Uthirtha Paralkalum, organised by Department of Tamil, M.S. University and New Century Book House on 30 January 2020.
11. Presented a paper titled "Thiravidamozhi Ilakkiyankalil Oppayvuk Kalankalum Anukumuraikalum" at International Seminar on Thiravida Mozhi Ilakkiyankalil Oppilakkiya Anukumuraikal, organised by Madurai Kamaraj Univesity, Madurai and Shanlaz International Journal on 07 February 2020.
12. Served as a Resource person in National Workshop on "Basics of Writing Research Articles", organized by Senthamil College, Madurai, on 10 February 2020.
13. Presented a paper titled "malaiyaka ezhuthalar aapteen sirukathaikal – oru mathippidu", at International Seminar, on Panmuga nokkil ayalagak tamilppataippukal, organised by ulaga tamil sangam, Madurai 27-28 February 2020
14. Presented a paper titled "Ti.Su. Natarajanin thiranayvu anukamuraikal", at National seminar on Ti.Su.Na. 80<sup>th</sup> Birthday celebration Seminar Programme, on Ti.Su.Na. 80<sup>th</sup> Birthday celebration, organised by Senthamil College, Madurai 20 February 2020.
15. Presented a paper titled "Marxian Economics", at National Seminar on Economic thoughts of Karl Marx & Mahatma Gandhi organised by Nadar Mahajana sangam S.Vellaichamy Nadar College, Madurai 28 February 2020.
16. Presented a paper titled "Villibharathamum panchali sabathamum", at Two days National Seminar on Kappiyak kalankal organised by Ulaka Tamil panpattu maiyam, Coimbatore during 06-07 March 2020.
17. Presented a paper titled "Pinnai Kalaniyam", at International Webinar on Tamil University's Web-Lecture Series on Tamil Studies organised by Tamil University, Thanjavur 05 June 2020.
18. Presented a paper titled "Paventharam thiravida iyakkamum", at International Webinar on International Lecture Series organised by Sikkaiya Naikkar College, Erode Department of Tamil and Thiravida Iyokka Research Centre 09 June 2020.

**Dr. V. Nirmalarani**

1. Attended the Seven Days National Webinar on e-certificate course on Learning, Teaching and performing Aspects in Theatre Education organized by the Tamil University, Thanjavur during 11-17 May 2020.
2. Attended the Seven Days International Webinar on Theatre Art organized by Sri. S. Ramasamy Naidu Memorial College, Sattur and Sacred Heart College, Thirupattur Maatu Naataka Iyakkam, yaa-kar Theatre, Chennai during 20-26 May 2020.

**Dr. O.Muthiah**

1. Delivered a talk on "Nattapuraviyalil Naveena Paarvaigal" at the State level Refresher Course in Tamil Language and Literature organised by UGC – Human Resource Development Center, Bharathidasan University, Tiruchirappalli on 13 August 2019.
2. Attended the Five Days National Confidential Workshop organized by National Testing Agency, MHRD, Dept. of Higher Education, Government India, at Noida, U.P during 26-30 August 2019.

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3. Attended Cultural Committee Meeting organized by Tamil Panpattu Maiyam, Tamil University, Thanjavur on 17 September 2019.
4. Presented a paper titled "Folk Songs and Ethnography", at Two Day National Symposium on Literature and Ethnography organised by Department of Tamil, Bharathiar University, Coimbatore on 27 September 2019.
5. Presented a paper titled "Thonmaviyal Nokkil Nikazhu Kalaikal", at International Conference on Melding Tradition with Modernity organised by Department of Fine Arts, Alagappa University, Karaikudi on 09 December 2019.
6. Presented a paper titled "Tamilarin Nattuppura Isai Marabu", at International Conference on Nattuppura Kalai Ilakkia Marabukal Mattramum Valarchiyumorganised by Department of Tamil, Govt. Arts College, Melur, Madurai District on 20 December 2019.
7. Presented a paper titled "Gandhi in Folk Literature", National Seminar on Mahatma Gandhi and Tamil Literature organised by GRI during 26-27 December 2019.
8. Presented a paper titled "Functional Folklore" at National Seminar on Folklore and Modern Trends organised by Department of Tamil, Hajee Karutha Rowther Howduia College, Uthamapalayam Theni District on 25 February 2020.

#### **Dr. K. Sundar**

1. Presented a paper titled "Poompavai (1944): Writing about a Non-Extant Film Text" at International Conference on 25 Years of RMRL: Past Forward Anniversary Conference organised by Roja Muthiah Research Library, Chennai during 01-03 August 2019.
2. Delivered a talk at International Conference on 25 Years of RMRL: Past Forward Anniversary Conference organised by Roja Muthiah Research Library, Chennai during 01-03 August 2019.
3. Delivered a talk on "The Seriousness of Comic: A Brief History of Tamil Film Comedy" at National Endowment Lecture on Rev.Fr. Francis Jayapathy S J Endowment Lecture organised by Department of Visual Communication, Loyola College, Chennai on 02 March 2020.
4. Delivered a talk on "History of Tamil Comedy: A Bird's Eyeview" at National level Webinar on Tamil Research Lecture Series organised by Tamil University, Tanjore on 26 June 2020.

#### **Dr. S. Chidambaram**

1. Presented a paper titled "Puranaanooril Kalaikalum kalainjarkalum" at International Conference on Regional Art: Melding Tradition with Modernity organised by Dept. of Fine Arts, Alagappa University, Karaikudi on 09 December 2019.
2. Presented a paper titled "Gandhi in Folk Literature" at State level Seminar on Mahatma Gandhi and Tamil Literature organised by GRI during 26-27 December 2019.
3. Delivered a talk on "*Tamil and Internet*" at Regional level Workshop on Tamilthai 72 Thamizhayvu Peruvizha, E.V.R. Nagammai Endowment Lecture Serious organised by International Institute of Tamil Studies, Tharamani, Chennai on 12 February 2020.
4. Delivered a talk on "Sanka Ilakkiyangkal Vazhi Thamizhaka Varalaaru" at State level on organised by Dept. of Tamil, Thiraviyam College of Arts & Science for Women, Periyakulam on 17 February 2020.
5. Presented a paper titled "India Orrumaikku Oru Onam Pandikai" at International Conference on Contribution of Dravidian organised by Department of Tamil Sri Venkatesara University Dravidian University UVeS Iyer Library Na Subbu Reddiar 100 Educational Trust during 19-22 February 2020.
6. Chaired a Session and Delivered a talk on "Tamil Software, Apps, Blogs Creation" at Regional Training Programme on Kanithamizh Peravai Training Programme organised by Dept. of Tamil, Thiruvalluvar College, Papanasam on 13 March 2020.
7. Delivered a talk on "Tamil E-Books & Journals" at Regional level Workshop on Tamil Computing Online Special Lecture Serious organised by Dept. Tamil Internet Academy, Thiruchirappalli on 19 April 2020.
8. Delivered a talk on "Tamil Kurunjseyalikal Uruvakkam Ulladakkam Payanpaadu" at Regional level Workshop organised by Dept. of Tamil, Sree Krishna Athithya Arts & Science College, Coimbatore on 02 May 2020.



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9. Delivered a talk on "Koyirkalai Aayvukal" at Regional level Workshop on Online Special Lecture Serious organised by Dept. of Tamil, Algappa University, Karaikudi on 12 May 2020.
10. Presented a paper titled "Penniyam- Samugam- Odagam-Literature" at Regional Workshop on Online Webinar organised by GRI during 19-25 May 2020.
11. Delivered a talk on "Kalanthoorum Tamil Kanini Muyarsikal" at Regional level Workshop organised by Dept. of Tamil, Sree Neghru Maha Vithyalaya Arts & Science College, Malumissampatti, Coimbatore on 27 May 2020.
12. Delivered a talk on "Tamilum Thakavalthozhilnutpamum" at Regional level Workshop on Special Lecture Serious – Tamil Inaiyakoodal organised by Ulagathamil Sankam, Madurai on 05 June 2020.

**Dr.K. Kesava Rajarajan**

1. Presented a paper titled "Reclining Images at Crossroads: Buddhist, Roman Christian and Vaiṣṇava" at Second International Symposium on Religious Art and Culture in 2019 organised by Art College of Sichuan University, sponsored by Sichuan University, Chengdu, China during 26-27 October 2019.
2. Presented a paper titled "Androgynous Metaphors: Visual Renderings of Select Maturai Mīnākṣī Myths" at National Seminar on Pechu Kacheri 2019 organised by Tamil Virtual Academy, Kotturpuram, Chennai during 14-15 December 2019.

**PUBLICATIONS**

**PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Refereed Journals as notified by UGC)**

**Dr. V. Rajarathnam**

1. "Panmuga Nokkil Kurunthogai" in the e-Journal of Ulagatamil (National), Vol.1, pp 1-5; September 2020.

**Dr. P. Anandakumar**

1. "Kovil Mani (Poetry Translation)" in the National Journal of Thamarai, pp.24-25; October 2019.
2. "Poorva Poutham (Essay)" in the National Journal of Nilaveli, pp 80- 82; January 2020.
3. "Ti.Su. Tiranaivu thatam" in the National Journal of Ti.Su. Tiranaivu anukumuraikal, pp 100-106; February 2020.
4. "Tamil Mozhi: Puvisar alukaium aarpum (Essay)" in the National Journal of Thamarai, pp 45-47; March 2020.

**Dr. V. Nirmalarani**

1. "Nattupurappanpattu Nokkil Bharadevisim Aanthoru Nall Iethe Nilavil" in the National Journal of Tamil Kanchu, (National-978-93-85349-23-2), pp 78-82; December 2019.

**Dr. K. Kesava Rajarajan**

1. "Linking the ancient with the modern: Rāma-Lakṣmaṇa and the Marutu Brothers analogy" in the National Journal of *The Quarterly Journal of the Mythic Society* (National 0047 – 8555), Vol. 110, No.2, pp 41-49; June, 2019.
2. "Muttukkuḷikka vāriyala' "Are you ready for Pearl-diving?" - Atti-Varatar of Kāñcīpuram" in the National Journal of *The Quarterly Journal of the Mythic Society* (National 0047 – 8555), Vol. 110, No.2, pp 11-22; September, 2019.
3. "New Dimensions of Dakṣiṇāmūrti: with Special Reference to Vijayanagara-Nāyaka Art" in the National Journal of *Heritage: Journal of Multidisciplinary Studies in Archaeology* (National -2347 – 5463), Vol.7, pp 340-351; October, 2019.
4. "God in *Tirukkuraḷ* - Alternator or the Absolute" in the National Journal of *Purakala* (National - 0971-2143), Vol.31, No.21, pp 322-343; February, 2020.
5. "Oceanic Divyadeśas: Exploring Oda and Ōtam" in the National Journal of *Studies in Indian Place Names* (National-2394 – 3114), Vol.40, No.71, pp 3044-3071; March, 2020.

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6. "Budding Architectural Styles - the Liṅga and Hanumān's tail as *vimānas*" in the National Journal of *The Quarterly Journal of the Mythic Society* (National -0047 – 8555), Vol.111, No.1/2, pp 1-11; April 2020.
7. "Disown 'oda' and Sustain *ōtam*" in the National Journal of *Studies in Indian Place Names* (National -2394 – 3114), Vol.40, No.76, pp 626 -630; May 2020.
8. "Rāma as Kṛṣṇa, Rāma-Kṛṣṇa." in the International Journal of *Romanian Journal of Indian Studies* (International -2601-064), Vol.3, pp 33-56; September 2019.
9. "Saṅgama of Buddhism in the Asiatic Diaspora: Imageries of Monks - Bodhidharma and Aṛavaṇa-aṭikaḷ in Visual Art." in the International Journal of *Journal of Fine Arts* (International - 2637-5885), Vol.2, No.4, pp 4-17; August 2019.
10. "Caṇḍikeśvara Myth and Transformation: Violence and Reconciliation" in the International Journal of *Indologica Taurinensia: The Journal of the International Association of the Sanskrit Studies*, Vol.45, pp 157-195; December 2019.

## PAPERS IN NATIONAL / INTERNATIONAL CONFERENCE PROCEEDINGS

### Dr. V. Rajarathnam

1. "Pen Kavingarkalin Kavithaikalil Marabum Marabu Meralum" in National Seminar on Anmaikkala Tamil Ilakkiyankalil Penniap Pathivukal Organised by Department of Tamil, GRI, Gandhigram, during 17-18 October 2019.

### Dr. S. Chidambaram

1. "Samaga odagangalil penniyam kuritha karuthakkangal" in National Seminar on Anmaikkala Tamil Ilakkiyankalil Penniap Pathivukal Organised by Department of Tamil, GRI, Gandhigram, during 17-18 October 2019.

## BOOKS PUBLISHED

### Dr. P. Anandakumar

1. "*Katiruppu Prateeksha (Kandakavya) Hindi Original: Shri Ramesh Pokhriyal 'Nishank'*" (National), Publication Division, GRI, Gandhigram PP.64; September 2019.

### Dr. O.Muthiah

1. "*Aalavattam.*" (National-978-93-86576-97-2) Kaavya, Chennai; 2019.
2. "*Tamil Kunru*" (National-978-9385349-23-2), ARR – All India Research Forum, Chennai; 2019.

### Dr. S. Chidambaram

1. "*Kaniniyum thamizum*" (National-978-81-920482-2-6), International Institute of Tamil Studies Chennai; 2019.

## CHAPTERS PUBLISHED

### Dr. V. Rajarathnam

1. "Oviyakalaiyil Thoiyil" in "Regional Art: Molding Tradition with Modernity" (International Conference, ISBN No.978-8-19-345100-7); PP 199-206, 09-10 December 2019.
2. "Kovalan Kunrak Kolkaiyana" in "Tamil ilakkiyap Porunmaigalum pulappattu nerikalum" (Inter National Conference, ISBN No.978-93-85349-22-5); "ARR" All India Research Forum Chennai and Department of Tamil, GRI, Gandhigram, PP 30-34, 14 -15 December 2019.
3. "Karuppai than Penmaiyan adaiyalama?" in "Tamil ilakkiyap Porunmaigalum pulappattu nerikalum" (International Conference ISBN No.978-81-2343-940-2); Sri Kaleeshwari College, Sivakasi, PP 93-99; December 2019.

### Dr. O.Muthiah

1. "Nattuppuraviyalum Cilappathikaramum "in "Tamil Kunru" (International Conference ISBN 978-9385349-23-2); ARR –Chennai, PP 147-151, December 2019.



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### Department of Tamil

1. "Sulinthee-Panduva Marabin Papattu Pettagam" in "Tamil Ilakkiap Porunmaikalum Pulappattu Nerikalum" (International Conference ISBN 978-81-2343-940-2); Kaliswari College & NCBH, Chennai, PP 406-410, December 2019.
2. "Uraiyur Eniseri Mudamosiyarin Pulappaaddu Neri" in "Tamil Ilakkiyap Porunmaikalum, Pulappattu Nerikalum" (International Conference ISBN.978-81-2343-940-2); Sree Kaleeswari College, Sivakasi, PP 214-219, 16- 17 December 2019.
3. "Uraiyur Eniserimudamosiyarin Pulappaaddu Neri" in "Tamil Ilakkiap Porunmaikalum Pulappattu Nerikalum" (International Conference ISBN 978-81-2343-940-2); Kaliswari College & NCBH, Chennai, PP 214-219, December 2019.
4. "Mozhipeyarppu Enum Ariya Kalai" in "Ulaka Tamil Pannaaddu Ayvithazh" (International Conference ISSN: 2581 - 9712); Ulaka Tamil Sangam, PP 1-6, October 2019.

### TALKS DELIVERED

#### Dr. K. Kesava Rajarajan

1. Delivered a Lecture on "The Unknown *Rāmāyaṇa*: Exploring the National Epic through Tamil Sources" on Refresher Course in Historical Studies, Department of History at UGC – Human Resource Development Centre, Bharathiar University, Coimbatore in 17 September 2019.
2. Delivered a Lecture on "As you Visualize it: The Nexus of *Rāmāyaṇa* through the South and South-east Asian Visual Art" on Refresher Course in Social Sciences, Department of Sociology and Population Studies at UGC – Human Resource Development Centre, Bharathiar University, Coimbatore in 15 February 2020.

### EXTENSION ACTIVITIES

1. Village Placement Programme was organized at Kalikkampatti during 16-21 September 2019.



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## Department of Hindi

### PROFILE

The Department of Hindi is functioning under the School of Tamil, Indian Languages & Rural Arts. The Department of Hindi has got full-fledged Department status since 2004. GRI-DTBU is the only Institute which has been following three languages formula in Tamil Nadu. Core-Hindi is a compulsory paper and all the students of UG and 5 year Integrated Programme students must pass Core-Hindi paper to qualify for the degree. Apart from UG and 5 year Integrated programmes, Hindi is included in the syllabus of M.A. Tamil Programme also. The Department of Hindi offers Non Major Elective “Spoken Hindi” for all the PG Programmes.



### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme                          | Year of Introduction |
|-------|------------------------------------|----------------------|
| 1.    | Ph.D.                              | 2001                 |
| 2.    | M.A Hindi                          | 2004                 |
| 3.    | Certificate Course in Spoken Hindi | 2015                 |

### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty        | Designation         |
|-------|----------------------------|---------------------|
| 1     | Dr. M. Saleem Baig         | Professor and Head  |
| 2     | Dr. Khandare Chandu Laxman | Assistant Professor |

### THRUST AREAS OF RESEARCH

- i. Language Teaching
- ii. Comparative Studies
- iii. Translation

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Dindigul Dist, Tamilnadu.

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

### Dr. Khandare Chandu Laxman

1. Attended National Seminar on “Bhartiyasanskriti our Badalate Jeevan Mulya” at Department of Hindi, Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi - 626124 from 20.12 2019 to 21.12 2019.
2. Attended National Seminar on “Ekshin Sadike Hindi Kathasahityamen Chitritvividh Vimrsh” at Night College of Arts and Commerce, Ichalkaranji on 07.12.2019.
3. Attended National Seminar on “Bal Sahitya” at Department of Hindi, National College (Autonomous) Tiruchirappalli- 620001 on 25<sup>th</sup> February 2020.

## PUBLICATIONS

### PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Refereed Journals as notified by UGC)

#### Dr. Khandare Chandu Laxman

1. “Dohra abhishap dalit aatmkatha men sthri asmita” Multidisciplinary International E-Research Journal (International) ISSN/ISBN: 2348-7143; pp 71-72; February 2019.
2. “Vartman Shiksha pranali: dasha or disha” Electronic International interdisciplinary Research Journal (International) ISSN/ISBN: 2277-8721; pp.154-155; March 2019.

## PAPERS IN NATIONAL / INTERNATIONAL CONFERENCE PROCEEDINGS

#### Dr. M. Saleem Baig

1. “Adhunik Hindi Sahitya Mein Sampredayik Sadbhavana” in the National Conference on Bhishma Sahni Ke Kathe Sahitya Mein Sampredayik Sadbhavarna, Raka Prakashan, Prayagraj, ISBN/ISSN: 978-93-82182-42-9, pp.11, 2019

## BOOKS PUBLISHED

#### Dr. Moghal Saleem Baig & Dr. P. Anandakumar

1. “Katiruppu Prateeksha (Kandakavya) Hindi Original: Shri Ramesh Pokhriyal ‘Nishank’ in (National-64 pages); Publication Division, GRI, Gandhigram, September 2019.

## CHAPTERS PUBLISHED

#### Dr. M. Saleem Baig

1. “Bheeshma Sahni Ke Katha Sahitya Mein Sampradayik Sadbhavana” in the book of Adhunik Hindi Sahitya Mein Sampradayik Sadbhavana published by Raka Prakashan (ISBN. 978-93-82182-42-9); pp. 11, 2019.

## EXTENSION ACTIVITIES

1. Dr. M. Saleem Baig and Dr. Khandare Chandu Laxman conducted a Village Placement Program as a Coordinator in Kalikkampatti village and to find out the Problems in the village, collection of Folk Songs and Shramdan with the participation of students from 16.09.2019 to 21.09.2019.

## VISITORS TO THE DEPARTMENT

| Name of the Visitor | Designation and Affiliation   | Purpose                 | Month and Year of Visit |
|---------------------|---|-------------------------|-------------------------|
| Dr. S.Kareemullah   | Associate Professor & Head,<br>Dept. of Hindi,<br>Jamal Mohamed College,<br>Trichy-20 | M.A. Hindi<br>Viva-Voce | May 2019                |



**REGISTRAR**  
Gandhigram Rural Institute  
(Deemed to be University)  
Gandhigram - 624 302.  
Dindigul Dist, Tamilnadu.

## Centre for Malayalam Studies

### PROFILE

The mission of the Centre for Malayalam Studies is to work within the mission of Gandhigram Rural Institute and the mission of the School of Tamil & Indian Languages to develop reading and writing skills, ability to interpret and cultural awareness of its students by maintaining and enhancing a tradition of effective teaching and good scholarship and active support of creative literary society.



### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme   | Year of Introduction |
|-------|---|----------------------|
| 1.    | Ph.D  | 2002                 |
| 2.    | Certificate Programme in Functional Malayalam (6 Months duration) | 1956                 |

### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty | Designation |
|-------|---------------------|-------------|
| 1     | Dr. S.Shaji         | Professor   |

### THRUST AREAS OF RESEARCH

- ❖ Literary Criticism
- ❖ Comparative Literature
- ❖ Cultural Studies

### PUBLICATIONS

**PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Reputed Journals as notified by UGC)**

**Dr. S. Shaji**

1. "Adoor Gopalakrishnanum Kerala Navothanavum" in *Gurudevan* (National-KL/ALY/0043/2018-2020) Vol.57 (5), pp.53-55, January 2020.
2. "Nambyarum Aasanum Femenisavum" in *Kalapooma* (National- KL/TV(N)/WPP/241/2019-2021) Vol. 8(1), pp.56-61, January 2020.

### BOOKS PUBLISHED

**Dr. S. Shaji**

1. "P.K.Balakrishnan: Samskarika Keralathile Ekantha Prathibhasam" in (National-978978819-3); Paridhi Publications, Thiruvananthapuram, April 2020.

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## SCHOOL OF ENGLISH AND FOREIGN LANGUAGES

### PROFILE

The School of English and Foreign Languages is as old as the Institute and offers a Master's Programme in English and Communicative Studies, a full-time M.Phil Programme in English and full time and part-time Ph.D programmes in English. Apart from these programmes, a Certificate Course in Spoken English is being conducted by the School. It has been a pioneer in introducing innovative programmes, especially in the field of Communicative and Cultural Studies. It ran a Master's Programme in Comparative Literature and Cultural Studies, a UGC Innovative Programme, from 2005-10. It has so far produced 58 Ph.Ds and more than 190 M.Phils. The School offers Part II English courses, Part I French courses, Soft Skills and support courses to all the departments of the Institute. The members of the School serve on various Boards of Studies and other bodies of higher learning in different universities throughout the country. The School brings out *Gandhigram Literary Review* (ISSN: 2278-8170), a peer-reviewed annual journal.



### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme                            | Year of Introduction |
|-------|--------------------------------------|----------------------|
| 1.    | Ph.D                                 | 1993                 |
| 2.    | M.Phil. English                      | 1999                 |
| 3.    | M.A. English & Communicative Studies | 1983                 |
| 4.    | Certificate in Spoken English        | 2018                 |

### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty           | Designation                   |
|-------|-------------------------------|-------------------------------|
| 1.    | Dr. M. R. Kubendran           | Professor                     |
| 2.    | Dr. A. Joseph Dorairaj        | Professor & Dean              |
| 3.    | Dr. G. Baskaran               | Professor                     |
| 4.    | Dr. S. Balasundari            | Associate Professor           |
| 5.    | Ms. N. Suganthi               | Assistant Professor           |
| 6.    | Dr. T. Anantha Vijayah        | Assistant Professor           |
| 7.    | Mr. T. David Jeyaraj Franklin | Assistant Professor           |
| 8.    | Ms. G. Vidya                  | Assistant Professor of French |

### THRUST AREAS OF RESEARCH

- i. Indian English Literatures
- ii. Literatures of the Marginalized
- iii. Literary Theory
- iv. Comparative Literature
- v. Postcolonial Studies

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## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

1. Dr. S. Balasundari, Dr. T. Anantha Vijayah and Mr. David Jeyaraj Franklin organized a National Seminar on Indigenous Literatures, funded by UGC-GRI from 05<sup>th</sup> March 2020 to 06<sup>th</sup> March 2020. Prof. Hariharan, Institute of English, University of Kerala and Prof Kalpana, Professor of English, Pondicherry University was the resource person.

## PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Reputed Journals as notified by UGC)

### A. Joseph Dorairaj

1. "How to make our curriculum conducive to make students employable?" in *University News* (National-0566-2257); Vol. 57 (45); Pp.51-52, 2019.
2. "How soon India can produce the next Nobel Laureate" in *University News* (National-0566-2257); Vol. 58 (01); Pp.35-36, January 2020.

## BOOKS PUBLISHED

### Dr.A. Joseph Dorairaj

1. FAQs on Research in Literature and Language; Emerald Publishers, Chennai, (978-93-8908032); 2019.

### David Jeyaraj Franklin

1. Ramesh Pokhriyal Nishank (translator), Collected Stories of Ramesh Pokhriyal Nishank; GRI, Gandhigram, 2019

## TALKS DELIVERED

### Dr.A. Joseph Dorairaj

1. Delivered a Lecture on "Postmodernism and Deconstruction (two lectures) at Department of English, Bharathidasan University in August 2019.
2. Delivered a Lecture on "Postmodernism and Derrida (two lectures)" at a Refresher Course at HRDC, Pondicherry University in August 2019.
3. Delivered a Lecture on "Orientation to Theory: Classical and Modern" at Periyar University in September 2019.
4. Delivered a Special Lecture on "Theory—An Overview" at Anna University, Chennai in October 2019.
5. Delivered a Plenary Lecture in a National Seminar on "Thinking Beyond Stereotypes" titled "An Overview of Critical Theories" at SRM University, Kattankulathur in October 2019.
6. Delivered a Plenary Lecture in a NAAC-sponsored Seminar on Accreditation titled "Graduate Attributes-A Proactive Approach" at St. Aloysius College (Autonomous), Jabalpur in November 2019.
7. Delivered a Key-note Address in International Seminar on "Teaching English in the Post method Era titled "Methods and Post method" at Kerala University, Thiruvananthapuram in November 2019.
8. Delivered a lecture in Refresher Course on "Orientation to Theory and Deconstruction (two lectures)" at Bharathiar University, Coimbatore, in November 2019.
9. Delivered a special lecture on "An Orientation to Literary Theory" at Sacred Heart College, Thevarain January 2020.
10. Delivered a lecture in One-day Workshop on Research titled "What is Research? Research in Language and Literature (two lectures)" at Bishop College, Trichy in January 2020.
11. Delivered a lecture in Workshop on NAAC Accreditation titled "NAAC Revised Methodology" at St. Christopher's College of Education, Chennai in February 2020.
12. Delivered an Endowment Lecture on "Orientation to Theory – Classical and Modern" at Loyola College (Autonomous), Chennai in February 2020.
13. Delivered a Plenary Lecture in National Seminar on NAAC Revised Methodology titled "Revised NAAC Methodology" at Sophia Girls' College, Ajmer in February 2020.

14. Delivered a Key-note Address in National Seminar on Multiculturalism-Literature and Society titled "Culture and Multiculturalism" at St. Jerome's College, Kanyakumari in March 2020.
15. Delivered a Key-note Address in National Seminar on Theory titled "What is Postmodernism?" at Meenakshi Government College, Madurai in March 2020.
16. Delivered a lecture in One-day Workshop on Communication Skills in English titled "Better Writing Skills and Better Pronunciation (two lectures)" at Dayanand Sagar University, Bangalore in March 2020.

**Dr. G. Baskaran**

1. Delivered a Special Lecture on "Writing an English Literature Dissertation" at Yadava College, Madurai in June 2019.

**Dr.R. Anantha Vijayah**

1. Delivered a Special Lecture on "Indigenous Writings of Canada" at Bharathidasan University, Trichirappalli in February 2020.

**T. David Jeyaraj Franklin**

1. Delivered a Lecture in Faculty Development Programme on "Soft Power" at Bishop Heber College, Trichy in July 2019.

**EXTENSION ACTIVITIES**

1. Conducted Village Placement Programme at Munnilaikottai, Aathoor Block, Dindigul District from 16 September 2019 to 21 September 2019 with 27 Students for Tree Planting, School Teaching, Environmental Awareness Programme, Plastic Free Campaign, Swatch Bharat and Data Collection for UBA.

**VISITORS TO THE DEPARTMENT**

| Name of the Visitor           | Designation and Affiliation                     | Purpose   | Month and Year of Visit |
|-------------------------------|---|---|-------------------------|
| Dr. G. Dominic Savio          | The American College (Autonomous), Madurai      | Influence Studies and Genre Studies   | August 2019             |
| Dr. Baniprata Mahanta         | Benares Hindu University, Varanasi              | Periodization as Structure of Containment: At the Interstices of Literary History | August 2019             |
| Dr. S. Prabhakar              | Professor of English MS University, Tirunelveli | Introduction to Subaltern Studies   | September 2019          |
| Dr. V.B. Vinod                | NIT, Trichy                                     | Introduction to Cultural Studies and New Historicism                              | October 2019            |
| Mr. Raju                      | (freelance journalist)                          | Editing and Reporting   | February 2020           |
| Dr. Laura Dameris Chellajothi | Bharathidasan University                        | Introduction to Holocaust Studies and Bhaktinian Theory                           | October 2019            |

**STUDENTS / SCHOLARS QUALIFIED IN CSIR-JRF / NET / SET / GATE / TET / TNPSC / UPSC etc., EXAMINATIONS**

| Name of the Student / Scholar | Programme of Study | Name of the Examination Qualified | Name of the Board Conducted the Examination | Month & Year of Passing |
|-------------------------------|--------------------|-----------------------------------|---|-------------------------|
| Banu                          | PhD                | UGC-NET                           | NTA   | December 2019           |

**REGISTRAR**

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## Department of Rural Health and Development Studies

### Centre for Development Studies

#### PROFILE

M.A. Rural Service was introduced by replacing MCD. Centre for Research, Extension and IRD was created after the attainment of Deemed University status. A separate department of RD was established in 1988 when the above centre was branched out into 4 departments under the Faculty of Rural Development. The Department of Rural Development was established during the year 1988 as a prime wing of the Institute. The Department plays a crucial role in enabling the institute achieving its overall objective namely integrated rural development. Further, in view of reorganization of existing departments / faculties, the Centre for Development Studies was formed during October 2017 under the School of Health Sciences and Rural Development.



#### About the CDS

The Centre for Development Studies (CDS) is functioning under the School of Health Sciences and Rural Development, Gandhigram Rural Institute (Deemed to be University), Gandhigram. The Centre offers three academic programmes namely M.A. in Rural Development Studies (RDS) and M.Phil and Ph.D under the integrated mode on the same discipline.

#### M.A. in Rural Development Studies (RDS)

The term "Development" broadly refers to the range of interventions that purport to advance and secure individual and social well-being in a sustainable and equitable manner. Improvement in the quality of life of rural people is the important agenda of rural development programme. Rural development implies both the economic betterment of people as well as greater social transformation. The basic objective of all rural development endeavors have been the welfare of the millions. In order to achieve this, planned attempts have been made to eliminate poverty, ignorance and inequality of opportunities. A wide spectrum of programmes are being undertaken to alleviate rural poverty and ensure improved quality of life for the rural population especially of those living below the poverty line. In the initial phase of planned rural development, the concentration was on sectors of agriculture industry, communication, education and health. The Ministry of Rural Development places importance now on health, education, drinking water, housing and road so that the quality of life in rural areas improves and the fruit of economic reform are shared by all sections of the society.

*L. N. Srinivasan*

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A forceful engagement with this domain needs trained human resources with varied backgrounds, capacities and interests and an ethical outlook that provide inspiration for development action. The CDS intends to contribute through its educational programmes to the knowledge and practice of rural development in India. It is recognized that development is not a unitary discipline but an integrative field that brings together understandings from the social and behavioral sciences, the humanities, science and technology within a framework of analysis, policy and institutional action.

This programme intends to prepare individuals capable of informed and thoughtful development action, empowered with awareness of the complexity, having depth of the discourse on rural development and contributing for policy and action with special reference to the Indian context.

Further, an important feature of the above programme is that it attempts to equip the students with training in skills that they can put to use in any challenging situation either in the field or in the policy sphere. Our students are enabled to make smooth transitions from the world of studentship to the world of trained work.

#### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme                        | Year of Introduction |
|-------|----------------------------------|----------------------|
| 1     | Ph.D                             | 1993                 |
| 2     | M.Phil Rural Development Studies | 2018                 |
| 3     | M.A. Rural Development Studies   | 2018                 |

#### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty   | Designation                                   |
|-------|-----------------------|---|
| 1     | Dr.P.Anandharajakumar | Professor & Director                          |
| 2     | Dr.Neema Gnanadev     | Assistant Professor (on lien from 11.01.2020) |

#### THRUST AREAS OF RESEARCH

- ❖ Rural Development Policies and Programmes
- ❖ NGO Management
- ❖ Decentralized Planning
- ❖ Rural Banking & Microfinance
- ❖ Gender and Development

#### CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

##### Dr.P.Anandharajakumar

1. Organized a National level Endowment Lecture Programme titled "Sirukasavayal Periyathal Veerappan Endowment Memorial Lecture", funded by GRI, Gandhigram on 31-10-2019.

#### CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

##### Dr.P.Anandharajakumar

1. Delivered a talk titled "Social issues of Indian villages" at the National level Symposium on Social issues of Indian Villages at Periyar University, on 31.01.2021

#### EXTENSION ACTIVITIES

1. Dr.B.Neema Gnanadev Conducted a village placement programme as a Coordinator in Kalikkampatti for Getting exposure about the village / Rural realities with the participation of II year M.A Rural Development students from 16.09.2019 to 21.09.2019.
2. Dr.B.Neema Gnanadev Conducted a Course based field visit to Deepam Trust, Batlagundu to know the activities of NGO with the participation of I & II M.A Rural Development Studies students on 20.08.2019.

3. Dr.B.Neema Gnanadev Conducted a Course based field visit to Community Funding for Children and Aged, Trichy to know the funding pattern of Donor agency with the participation of M.A & M.Phil Rural Development Studies on 26.08.2019.
4. Village Placement Programme was organized by the faculty at Kalikkampatti 16<sup>th</sup> September 2019 to 21<sup>st</sup> September, 2019
5. Faculty visited Gandhigram Trust, Gandhigram as a course based field visit – community Based Organisation to know about the Trust structure and its functions along with students of I & II M.A Rural Development Studies on 1<sup>st</sup> August, 2019.
6. Faculty visited Vidyal NGO, Theni as a course based field visit – community Based Organisation, to know the activities of NGO in the Women Empowerment Sector along with students of I & II M.A Rural Development Studies on 4<sup>th</sup> September, 2019.
7. Faculty visited Kalikkampatti village as a course based field visit – community Based Organisation, Indian Economic Problems to know the village realities / to identify village problem along with students of I M.A Rural Development Studies on 18<sup>th</sup> September, 2019.
8. Faculty visited Anna Nagar, Gandhigram Panchayat as a course based field visit – Project Planning and Implementation – Local Governance to attend the Gram Sabha meeting along with students of I & II M.A Rural Development Studies on 2<sup>nd</sup> October, 2019.
9. Faculty visited Christian Fellowship Hospital, Oddanchathram as a course based field visit – community Based Organisation, to the students can able to see how important an individual or community participation can bring change in the society in the Health Sector along with students of I & II M.A and M.Phil Rural Development Studies on 22<sup>nd</sup> January, 2020.
10. Faculty visited KVK – Kundrakudi, Karaikudi as a field visit to NGO for Agriculture related extension activities along with students of I & II M.A and M.Phil Rural Development Studies on 3<sup>rd</sup> February, 2020.
11. Faculty visited District Rural Development Agency (DRDA) as a field visit – Rural Development Policies and Programmes to know the administrative structure of DRDA along with students of M.A Rural Development Studies on 25<sup>th</sup> February, 2020.
12. Faculty visited Gandhi Ashram, Thiruchengodu as a field visit – Rural Development Policies and Programmes to know the initiative of Government to Promote Self Employment in Rural Areas along with students of I & II M.A Rural Development Studies on 11<sup>th</sup> March, 2020.



  
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### Village Placement Programme and Field Visit

#### VISITORS TO THE DEPARTMENT

| Name of the Visitor | Designation and Affiliation | Purpose                          | Month and Year of Visit |
|---------------------|-----------------------------|----------------------------------|-------------------------|
| Dr.N.Lalitha        | Professor (Rtd)             | Special Lecture programme on LFA | February 2020           |

*L. N. ...*

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Dindigul Dist, Tamilnadu.

## Department of Rural Health and Development Studies

### Centre for Geoinformatics

#### PROFILE

The Centre for Geoinformatics has adequate number of classrooms well equipped lab and seminar hall. The Centre has faculty members with Ph.D and well trained in their field of specialization. It offers two academic programmes viz., M.Sc. Geoinformatics (Two year) and P.G. Diploma in Spatial Technologies (One year) programmes, with an aim of developing human resources in Geoinformatics for the emerging high-tech enterprise scenario in India.

All our students trained in the use of various software packages related to Geoinformatics and are placed in Government organizations and private companies even before the completion of their academic programme.



#### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme                            | Year of Introduction |
|-------|--------------------------------------|----------------------|
| 1.    | Ph.D                                 | 2002                 |
| 2.    | M.Sc. Geoinformatics                 | 2002                 |
| 3.    | P.G. Diploma in Spatial Technologies | 2007                 |

#### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty | Designation          |
|-------|---------------------|----------------------|
| 1.    | Dr.N.D.Mani         | Professor & Director |
| 2.    | Dr.M.Muthukumar     | Asst. Professor      |

#### THRUST AREAS OF RESEARCH

- ❖ Rural Natural Resources Mapping and Management
- ❖ Rural Natural Disaster Mapping Management and Mitigation

#### CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

##### Dr. N.D.Mani & Dr.M.Muthukumar

1. Organized a National Conference on "Application of Geospatial Technologies in Management of Natural Resources and Disaster", funded by UGC from 17<sup>th</sup> February and 18<sup>th</sup> February 2020.

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## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

### Dr. N.D.Mani

1. Delivered a talk titled "Electronic Waste Collection, Disposal Centres and Identification of Suitable Places to fulfill the Wastes by using Geospatial Technology" at the National Seminar on Geo-Spatial and Nano Technology for Electronic Waste Collection, Disposal and Management Strategy for Sustainable Development organized by Govt. Arts College, Salem on 7<sup>th</sup> February, 2020.
2. Presented a paper titled "Assessing the Spatio-Temporal Variation in Rainfall in Dindigul District using GIS" at the National Conference on Application of Geospatial Technologies in Natural Resource Management organized by Centre for Geoinformatics, GRI during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
3. Presented a paper titled "Identification and Assessment of flood vulnerable zones in the part of Kosi River basin, Bihar using Geoinformatics" at the National Conference on Application of Geospatial Technologies in Natural Disaster Management organized by Centre for Geoinformatics, GRI during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
4. Presented a paper titled "Flood Modeling of Kosi River, Bihar, India using HEC-RAS and Predicting Flood Scenario" at the National Conference on Application of Geospatial Technologies in Natural Disaster Management organized by Centre for Geoinformatics, GRI during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
5. Presented a paper titled "Assessment of Agricultural Drought Severity in Natham Block, Dindigul District using Remote Sensing Data" at the National Conference on Application of Geospatial Technologies in Natural Disaster Management organized by Centre for Geoinformatics, GRI during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
6. Presented a paper titled "Impact Assessment of Climate Change at Village Level using Geo-Spatial Technologies" at the National Conference on Application of Geospatial Technologies in Natural Disaster Management organized by Centre for Geoinformatics, GRI during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.

### Dr.M.Muthukumar

1. Presented a paper titled "Land use Land Cover Prediction using Geomatics Technology, Recent Trends and Developments" at the National Conference on Recent Trends and Developments in Civil Engineering organized by GRI during 12<sup>th</sup> March 2020.
2. Presented a paper titled "Lithological Discrimination of Limestone in Dindigul and Karur Districts using Hyper-spectral Remote Sensing" at the National Conference on Recent Trends and Developments in Civil Engineering organized by GRI during 12<sup>th</sup> March 2020.
3. Presented a paper titled "Identification of Suitable Sites for Coffee Plantation using Remote Sensing and GIS" at the National Conference on Recent Trends and Developments in Civil Engineering organized by GRI during 12<sup>th</sup> March 2020.
4. Presented a paper titled "Identification of Vegetation Cover Changes using Normalized Difference Vegetation Index" at the National Conference on Recent Trends and Developments in Civil Engineering organized by GRI during 12<sup>th</sup> March 2020.
5. Presented a paper titled "Evaluation Morphometric Characteristics of the Cauvery Basin using Geospatial Technology" at the International Conference on Empowering Engineering and Technology organized by Parisutham Institute of Technology and Science, Thanjavur during 13<sup>th</sup> March 2020.
6. Presented a paper titled "Mapping of Palaeochannels using Digital Image Processing in Poompuhar and Thiruthuraiipoondi Region" at the International Conference on Empowering Engineering and Technology organized by Parisutham Institute of Technology and Science, Thanjavur during 13<sup>th</sup> March 2020.
7. Presented a paper titled "Detection of Changes in Surface Water Spread in Waterbodies using Remote Sensing and GIS in Dindigul District" at the International Conference on Empowering Engineering and Technology organized by Parisutham Institute of Technology and Science, Thanjavur during 13<sup>th</sup> March 2020.
8. Presented a paper titled "Identification of Shoreline Changes in Malappuram District, Kerala using Geospatial Technology" at the International Conference on Empowering Engineering and

Technology organized by Parisutham Institute of Technology and Science, Thanjavur during 13<sup>th</sup> March 2020.

9. Presented a paper titled "Identification and Classification of Tree Species in the Heterogeneous Forest using the Hyper-spectral Remote Sensing" at the National Conference on Application of Geospatial Technologies in Natural Resource Management, Centre for Geoinformatics, GRI, during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
10. Presented a paper titled "Identification of Groundwater Potential Zones using Remote Sensing and GIS in Karaikudi Region, Tamil Nadu, India" at the National Conference on Application of Geospatial Technologies in Natural Resource Management, Centre for Geoinformatics, GRI, during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
11. Presented a paper titled "Identification of Groundwater Potential Zones in Dindigul District, Tamil Nadu using Spatial Technologies" at the National Conference on Application of Geospatial Technologies in Natural Resource Management, Centre for Geoinformatics, GRI, during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
12. Presented a paper titled "Prediction of Land Use / Land Cover changes using CA-Markov Model in and Around Chinnalapatti Municipal Town" at the National Conference on Application of Geospatial Technologies in Natural Resource Management, Centre for Geoinformatics, GRI, during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
13. Presented a paper titled "Geospatial Technology Based Site Suitability Analysis for Coffee Plantation" at the National Conference on Application of Geospatial Technologies in Natural Resource Management, Centre for Geoinformatics, GRI, during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
14. Presented a paper titled "Geospatial Tool-Based Morphometric Analysis using SRTM Data in Sarabanga Watershed, Tamil Nadu, India" at the National Conference on Application of Geospatial Technologies in Natural Resource Management, Centre for Geoinformatics, GRI, during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
15. Presented a paper titled "Prediction of Land use / Land Cover Using Ca-Markov Model and Change Detection Analysis of Cumbum Municipality" at the National Conference on Application of Geospatial Technologies in Natural Resource Management, Centre for Geoinformatics, GRI, during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
16. Presented a paper titled "Application of Digital Image Processing in Palaeochannel Mapping" at the National Conference on Application of Geospatial Technologies in Natural Resource Management, Centre for Geoinformatics, GRI, during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
17. Presented a paper titled "Extraction of Spectral Signatures of Granite in Dindigul and Karur Districts using Hyperion EO-1 Satellite Data" at the National Conference on Application of Geospatial Technologies in Natural Resource Management, Centre for Geoinformatics, GRI, during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
18. Presented a paper titled "Drought Assessment and Monitoring through Remote Sensing and GIS in Dharmapuri District, Tamil Nadu" at the National Conference on Application of Geospatial Technologies in Natural Disaster Management, Centre for Geoinformatics, GRI, during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
19. Presented a paper titled "Drought Vulnerability Study using NDVI, NDWI and GIS Techniques for Sirumalai Reserve Forest, Dindigul, Tamil Nadu" at the National Conference on Application of Geospatial Technologies in Natural Disaster Management, Centre for Geoinformatics, GRI, during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
20. Presented a paper titled "Shoreline Change Assessment through Remote Sensing and GIS In and Around Alappad Village, Kerala, India" at the National Conference on Application of Geospatial Technologies in Natural Disaster Management, Centre for Geoinformatics, GRI, during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
21. Presented a paper titled "Applications of Geospatial Technologies in Landslide Hazard Zonation Mapping" at the National Conference on Application of Geospatial Technologies in Natural Disaster Management, Centre for Geoinformatics, GRI, during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
22. Presented a paper titled "Mapping of Minerals, Ground Water Potential Zones and Landslide Hazard Zones in Salem District, Tamil Nadu using Remote Sensing and GIS" at the National Conference on Application of Geospatial Technologies in Natural Disaster Management, Centre for Geoinformatics, GRI, during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.

23. Presented a paper titled “Assessing Landslide Susceptibility from Soil Characteristics - a GIS Based Analysis” at the National Conference on Application of Geospatial Technologies in Natural Disaster Management, Centre for Geoinformatics, GRI, during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
24. Presented a paper titled “Landslide Hazard Zonation using Remote Sensing and GIS in Dindigul District Section” at the National Conference on Application of Geospatial Technologies in Natural Disaster Management, Centre for Geoinformatics, GRI, during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.
25. Presented a paper titled “Coal Fire Dynamics Identification and Time Series Analysis in Jharia and Bokaro Coal Fields using Remote Sensing and Geo-information Technology” at the National Conference on Application of Geospatial Technologies in Natural Disaster Management, Centre for Geoinformatics, GRI, during 17<sup>th</sup> and 18<sup>th</sup> February, 2020.

## PUBLICATIONS

### PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Refereed Journals as notified by UGC)

#### Dr. M.Muthukumar

1. Mapping of Paleochannels using Digital Image Processing in Poompuhar and Tiruthirapoondi region in Journal of Studies in Indian Place (International -2394-3114); Vol. 40, March, 2020.
2. Evaluation Morphometric Characteristics of the Cauvery Basin using Geospatial Technology in Journal of Studies in Indian Place (International -2394-3114); Vol. 40, March, 2020.
3. Detection of Changes in Surface Water Spread in Waterbodies using Remote Sensing and GIS in Dindigul District in Journal of Studies in Indian Place (International -2394-3114); Vol. 40, March, 2020.
4. Identification of Shoreline changes in Malappuram District, Kerala using Geospatial Technology in Journal of Studies in Indian Place (International -2394-3114); Vol. 40, March, 2020.

### PAPERS IN NATIONAL / INTERNATIONAL CONFERENCE PROCEEDINGS

#### Dr. N.D.Mani

1. “Assessing the Spatio-Temporal Variation in Rainfall in Dindigul District using GIS” in National Conference on Application of Geospatial Technologies in Natural Resource Management, Centre for Geoinformatics, GRI, Gandhigram (National –978-93-86568-82-3), Sri Meenakshi Publications, Madurai, 2020.
2. “Identification and Assessment of flood vulnerable zones in the part of Kosi River basin, Bihar using Geoinformatics” in National Conference on Application of Geospatial Technologies in Natural Disaster Management, Centre for Geoinformatics, GRI, Gandhigram (National –978-93-86568-83-0) Sri Meenakshi Publications, Madurai, 2020.
3. “Flood Modeling of Kosi River, Bihar, India using HEC-RAS and Predicting Flood Scenario” in National Conference on Application of Geospatial Technologies in Natural Disaster Management, Centre for Geoinformatics, GRI, Gandhigram (National – 978-93-86568-83-0), Sri Meenakshi Publications, Madurai, 2020.
4. “Assessment of Agricultural Drought Severity in Natham Block, Dindigul District using Remote Sensed Data” in National Conference on Application of Geospatial Technologies in Natural Disaster Management, Centre for Geoinformatics, GRI, Gandhigram (National – 978-93-86568-83-0), Sri Meenakshi Publications, Madurai, 2020.
5. “Impact Assessment of Climate Change at Village Level using Geo-Spatial Technologies” in National Conference on Application of Geospatial Technologies in Natural Disaster Management, Centre for Geoinformatics, GRI, Gandhigram (National – 978-93-86568-83-0), Sri Meenakshi Publications, Madurai, 2020.

#### Dr.M.Muthukumar

1. “Identification and Classification of Tree Species in the Heterogeneous Forest using the Hyper-spectral Remote Sensing” in National Conference on Application of Geospatial Technologies in Natural Resource Management, Centre for Geoinformatics, GRI, Gandhigram (National –978-93-86568-82-3), 2020.
2. “Identification of Groundwater Potential Zones using Remote Sensing and GIS in Karaikudi Region, Tamil Nadu, India” in National Conference on Application of Geospatial Technologies in

- Natural Resource Management, Centre for Geoinformatics, GRI, Gandhigram (National – 978-93-86568-82-3), 2020.
3. "Identification of Groundwater Potential Zones in Dindigul District, Tamil Nadu using Spatial Technologies" in National Conference on Application of Geospatial Technologies in Natural Resource Management, Centre for Geoinformatics, GRI, Gandhigram (National – 978-93-86568-82-3), 2020.
  4. "Prediction of Land Use / Land Cover changes using CA-Markov Model in and Around Chinnalapatti Municipal Town" in National Conference on Application of Geospatial Technologies in Natural Resource Management, Centre for Geoinformatics, GRI, Gandhigram (National – 978-93-86568-82-3), 2020.
  5. "Geospatial Technology Based Site Suitability Analysis for Coffee Plantation in National Conference" on Application of Geospatial Technologies in Natural Resource Management, Centre for Geoinformatics, GRI, Gandhigram (National – 978-93-86568-82-3), 2020.
  6. "Geospatial Tool-Based Morphometric Analysis using SRTM Data in Sarabanga Watershed, Tamil Nadu, India" in National Conference on Application of Geospatial Technologies in Natural Resource Management, Centre for Geoinformatics, GRI, Gandhigram (National – 978-93-86568-82-3), 2020.
  7. "Prediction of Land use / Land Cover Using Ca-Markov Model and Change Detection Analysis of Cumbum Municipality" in National Conference on Application of Geospatial Technologies in Natural Resource Management, Centre for Geoinformatics, GRI, Gandhigram (National – 978-93-86568-82-3), 2020.
  8. "Application of Digital Image Processing in Palaeochannel Mapping" in National Conference on Application of Geospatial Technologies in Natural Resource Management, Centre for Geoinformatics, GRI, Gandhigram (National – 978-93-86568-82-3), 2020.
  9. "Extraction of Spectral Signatures of Granite in Dindigul and Karur Districts using Hyperion EO-1 Satellite Data" in National Conference on Application of Geospatial Technologies in Natural Resource Management, Centre for Geoinformatics, GRI, Gandhigram (National – 978-93-86568-82-3), 2020.
  10. "Drought Assessment and Monitoring through Remote Sensing and GIS in Dharmapuri District, Tamil Nadu", India in National Conference on Application of Geospatial Technologies Natural Disaster Management, Centre for Geoinformatics, GRI, Gandhigram (National – 978-93-86568-83-0), 2020.
  11. Drought Vulnerability Study using NDVI, NDWI and GIS Techniques for Sirumalai Reserve Forest, Dindigul, Tamil Nadu" in National Conference on Application of Geospatial Technologies Natural Disaster Management, Centre for Geoinformatics, GRI, Gandhigram (National – 978-93-86568-83-0), 2020.
  12. Shoreline Change Assessment through Remote Sensing and GIS In and Around Alappad Village, Kerala, India" in National Conference on Application of Geospatial Technologies Natural Disaster Management, Centre for Geoinformatics, GRI, Gandhigram (National – 978-93-86568-83-0), 2020.
  13. Applications of Geospatial Technologies in Landslide Hazard Zonation Mapping in National Conference on Application of Geospatial Technologies Natural Disaster Management, Centre for Geoinformatics, GRI, Gandhigram (National – 978-93-86568-83-0), 2020.
  14. Mapping of Minerals, Ground Water Potential Zones and Landslide Hazard Zones in Salem District, Tamil Nadu using Remote Sensing and GIS in National Conference on Application of Geospatial Technologies Natural Disaster Management, Centre for Geoinformatics, GRI, Gandhigram (National – 978-93-86568-83-0), 2020.
  15. Assessing Landslide Susceptibility from Soil Characteristics - a GIS Based Analysis in National Conference on Application of Geospatial Technologies Natural Disaster Management, Centre for Geoinformatics, GRI, Gandhigram (National – 978-93-86568-83-0), 2020.
  16. Landslide Hazard Zonation using Remote Sensing and GIS in Dindigul District Section in National Conference on Application of Geospatial Technologies Natural Disaster Management, Centre for Geoinformatics, GRI, Gandhigram (National – 978-93-86568-83-0), 2020.
  17. Coal Fire Dynamics Identification and Time Series Analysis in Jharia and Bokaro Coal Fields using Remote Sensing and Geo-information Technology in National Conference on Application

- of Geospatial Technologies Natural Disaster Management, Centre for Geoinformatics, GRI, Gandhigram (National – 978-93-86568-83-0), 2020.
18. Identification of suitable sites for Coffee Plantation using Remote Sensing and GIS in National Conference Recent Trends and Developments in Civil Engineering, GRI, Gandhigram (National – 9-789389-044096), 2020.
  19. Land use Land Cover Prediction using Geomatics Technology in National Conference Recent Trends and Developments in Civil Engineering, GRI, Gandhigram (National – 9-789389-044096), 2020.
  20. Lithological Discrimination of Limestone in Dindigul & Karur Districts using Hyperspectral Remote Sensing in National Conference Recent Trends and Developments in Civil Engineering, GRI, Gandhigram (National – 9-789389-044096), 2020.

### EDITED BOOKS PUBLISHED

#### Dr.N.D.Mani & Dr.M.Muthukumar

1. Edited book titled “Application of Geospatial Technologies in Natural Resource Management” published by Sri Meenakshi Publications, (National, ISBN: 978-93-86568-82-3), February 2020.
2. Edited book titled “Application of Geospatial Technologies in Natural Disaster Management” published by Sri Meenakshi Publications, (National, ISBN: 978-93-86568-83-0), February 2020.

### TALKS DELIVERED

#### Dr. N.D.Mani

1. Delivered a talk titled “Electronic Waste Collection, Disposal Centres and Identification of Suitable Places to Full fill the Wastes by using Geospatial Technology” at the National Seminar on Geo-Spatial and Nano Technology for Electronic Waste Collection, Disposal and Management Strategy for Sustainable Development organized by Govt. Arts College, Salem during 7<sup>th</sup> February, 2020.

### EXTENSION ACTIVITIES

1. Village Placement Programme was organized at Kalikkampatti from 16 September 2019 to 29 September 2019.

### VISITORS TO THE DEPARTMENT

| Name of the Visitor | Designation and Affiliation  | Purpose   | Date of Visit |
|---------------------|--|---|---------------|
| Dr.P.O.Nameer       | Prof. & Head (Wildlife)<br>College of Forestry,<br>Kerala Agricultural University,<br>Thrissur, Kerala | Ph.D Viva Voce as External<br>Examiner                | 17.12.2019    |
| Dr.J.Saravanavel    | Asso Prof, Dept. of RS,<br>Bharathidasan University, Trichy  | Resource Person of an National<br>Conference –AGTMNRD | 17.02.2020    |
| Dr.R.Neelakantan    | Prof. & Head, Dept. of IER, Tamil<br>University, Thanjavur   | Resource Person of an National<br>Conference –AGTMNRD | 17.02.2020    |
| Dr.Sunandana Reddy  | Asso.Prof, Rajeev Gandhi Memorial<br>College of Engg & Tech, Nandyal                                   | Resource Person of an National<br>Conference –AGTMNRD | 17.02.2020    |
| Dr.K.Palanivel      | Prof. & Head, Dept. of RS,<br>Bharathidasan University, Trichy   | Resource Person of an National<br>Conference –AGTMNRD | 18.02.2020    |
| Dr.V.K.Brijesh      | Asst.Prof, Dept. of PG Studies &<br>Research in Geology, Kerala  | Resource Person of an National<br>Conference –AGTMNRD | 18.02.2020    |
| Dr.Sujatha E Ramani | Asso.Prof, SASTRA Deemed<br>University, Thanjavur  | Resource Person of an National<br>Conference –AGTMNRD | 18.02.2020    |

**REGISTRAR**

Gandhigram Rural Institute

(Deemed to be University)

Gandhigram - 624 302

Dindigul Dist, Tamilnadu.

## Department of Rural Health and Development Studies

### Centre for Applied Research

#### PROFILE

The Department of Applied Research established in 1976 under the Faculty of Rural Development plays a key role in enabling the Institute to achieve its overall objective of rural development by promoting interdisciplinary, problem solving and development research. The Department offers Ph.D. and M.Phil Programmes apart from offering courses on Research Methods and Statistics to the UG, PG and M.Phil Programmes.



#### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme                       | Year of Introduction |
|-------|---------------------------------|----------------------|
| 1     | Ph.D.                           | 1996                 |
| 2     | M.Phil Research and Development | 1997                 |

#### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty     | Designation          |
|-------|-------------------------|----------------------|
| 1.    | Dr. S. Gunasekaran      | Professor & Director |
| 2.    | Dr. A. Balakrishnan     | Professor            |
| 3.    | Dr. M. Hilaria Soundari | Assistant Professor  |

#### THRUST AREAS OF RESEARCH

- ❖ Women Empowerment
- ❖ Reproductive Health
- ❖ Population Aging
- ❖ Development Indicators
- ❖ Poverty Alleviation
- ❖ Rights protection of Laborers in unorganized sectors
- ❖ Environmental Studies
- ❖ ICT for Rural Development

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## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

### Dr. A.Balakrishnan

1. Organized a National Workshop on Research Methods and Data Analysis in Social Sciences, funded by UGC from 27<sup>th</sup> to 30<sup>th</sup> January, 2020.

### Dr. S.Gunasekaran

1. Organized a (GRI level) Training programme on SPSS, funded by GRI from 13<sup>th</sup> – 14<sup>th</sup> December, 2019.
2. Organized an (GRI level) Training programme on SPSS, funded by GRI from 16<sup>th</sup> – 17<sup>th</sup> March, 2020.

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

### Dr.M. Hilaria Soundari

1. Plenary Speaker titled “Journey of Religiosity to Spirituality’ at the National Conference on Interfaith Dialogue and Communal Harmony and National Integration organized by Central University of Tamil Nadu, Thiruvavur during 15<sup>th</sup> to 16<sup>th</sup> October 2019.
2. Plenary Speaker titled “Data Processing; Data Analysis & Interpretation and Research Project Report Writing’ at the State Level Workshop Qualitative and Quantitative Research Techniques in Social Work Research organized by St.Xavier’s College, Palayamkottai during 15<sup>th</sup> February 2020.

## PUBLICATIONS

### PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Reputed Journals as notified by UGC)

#### Dr.A.Balakrishnan

1. “A Study on Training and Development Practices of Handloom Sector of Tamil Nadu with Special Reference to Thirpur District” in *the Bonfring International Journal of Industrial Engineering and Management Science* (ISSN-2277-5056); Vol. 10, No.1, pp.01-03, Jan 2020.

#### Dr.M.Hilaria Soundari

1. “Pre-Natal Health Care and Well Being of Women at Madurai District” in *the Journal of Vijay Institute of Management* (ISSN - 0474-9030); Vol. 68, No.30, pp.2984-2999, Feb, 2020.

### PAPERS IN NATIONAL / INTERNATIONAL CONFERENCE PROCEEDINGS

#### Dr. M.Hilaria Soundari

1. “Social Work Practice in Culturally Diversified Rural India” in International Conference on 25<sup>th</sup> Asia – Pacific Joint Regional Social Work Conference on Social Work Partnerships towards an Equal Society – Asia Pacific Perspective, NIMHANS, Bengaluru (International); 17<sup>th</sup> and 20<sup>th</sup> of September 2019.

## EDITED BOOKS PUBLISHED

#### Dr.M.Hilaria Soundari

1. Edited book titled “Intercultural Social Work: Paradigm and Practice” published by Shanlax Publications, Madurai (National, ISSN. 978-93-89146-35-6); pp.195, December 2019.

## CHAPTERS PUBLISHED

#### Dr.M.Hilaria Soundari

1. “Contemporary Scenario of Participatory Social Work Research in Rural India” in the book of Participatory Social Work: Research, Practice, Education published by International Jagiellonian University Press, Krakow, Poland (International, ISSN. 978-83-233-9951-3); pp.101-114, November, 2019.
2. “Intercultural Social Work Practices in Rural India” in the book of Intercultural Social Work: Paradigm and Practice published by National Journal of Shanlax Publications, Madurai (National, ISSN. 978-93-89146-35-6); December, 2019.

3. "Social Work Practice with Indigenous Farming Community in South India" in the book of Indigenous and Local Knowledge in Social Work, published by International Paulo Freire Verlag, Oldenburg, Germany (International, ISBN. 978-3-86585-916-7; ISSN 1864-5577) pp. 255-274, April, 2020.
4. "Safety and Welfare for Women in Need: A Study of a Short Stay Home in Paravai, Madurai District, Tamil Nadu" in the book of Social Welfare in India and China, published by International Palgrave Macmillan, Singapore (International, ISBN. 978-981-15-5647-0; ISSN 981-15-5648-7 [eBook]) pp. 379-392, June, 2020.

### TALKS DELIVERED

#### Dr. M. Hilaria Soundari

1. Delivered a talk on "Social Work Practice in Culturally Diversified Rural India" In 25<sup>th</sup> Asia-Pacific Joint Regional Social Work Conference on Social Work Partnerships towards an Equal Society-Asia Pacific Perspective at NIMHANS, Bengaluru during 17<sup>th</sup> September 2019 to 20<sup>th</sup> September, 2019.
2. Delivered a talk on "Approaches of Intercultural Social Work for India" Intercultural and Decolonial Ethics in Social Work at University of Antioquia, Columbia during 1<sup>st</sup> October 2019 to 2<sup>nd</sup> October, 2019.

### EXTENSION ACTIVITIES

1. Served as a National Level Monitor for Monitoring of Rural Development Programme in 10 Gram Panchayat of Kottayam District during 19-24 December, 2019.
2. Faculty visited SIMCODESS, Sempatti as a Scientific Study of Simangali Programme Organisation to Interaction with the Implementors and Benefactors of SP along with M.Phil Scholars on 23<sup>rd</sup> July 2019.
3. Faculty visited J.Pudukottai as an Interaction with Weaver's Society Organisation to Identification of the Research Problem of Weavers along with M.Phil Scholars on 30<sup>th</sup> July 2019.
4. Faculty visited Chinnalapatti as a Focus Group Discussion with Weavers Organisation to Learning of conducting FGD along with M.Phil Scholars on 6<sup>th</sup> August 2019.



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## Department of Rural Health and Development Studies

### Centre for Rural Health

#### PROFILE

Centre for Rural Health earlier called Faculty of Rural Health Sanitation which is one of the seven faculties in Gandhigram Rural Institute. The basis of this faculty is pilot health project by Ford Foundation in 1958. In 1961 sanitation faculty was started, and the centre conducted Indian training network for water & sanitation in 2001 and also established Resource Centre for Water and Sanitation in 2004 and become key resource centre for water and sanitation in 2007. Our centre is running the course in Post Graduate Diploma in Sanitary Inspector Course in Indian university level. The staff working here are multi disciplinary and guest lectures are from stakeholders (Railways, Municipality and other local bodies). The subjects included real life issues – Health and Sanitation – waste disposal – Solid waste management, vector borne disease control – water quality monitoring – disaster management – life style diseases. Our students are working in Indian railways, Airports and harbors, Municipal Corporation, municipality and other local bodies working as sanitary inspectors and also working in primary health centre as health inspector.



#### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme  | Year of Introduction |
|-------|--|----------------------|
| 1.    | Ph.D   |                      |
| 2.    | Post Graduate Diploma in Sanitary Inspector's Course (PGDSI) | 1999                 |

#### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty | Designation                    |
|-------|---------------------|--------------------------------|
| 1.    | Mrs. A. Jansi Rani  | Associate Professor & Director |

#### THRUST AREAS OF RESEARCH

- i. Public Health
- ii. Water & Sanitation

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**Household Survey**



**Mass Cleaning at Public Places**



**Single Used Plastic Segregation (Waste Management Activities)**

*L. N. [Signature]*



Plastic Awareness Rally

*L. N. Srinivasan*  
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Hand Wash Game



Insects Awareness



Poshan Abhiyan-ICDS



Making soak pit and Manure pit

L. N

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**Making soak pit and Manure pit**



**Hand Wash Procedure Demonstration**



**IEC Awareness through Drama and Dance**

*L. N. Srinivasan*

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## Department of Lifelong Learning and Extension

### Centre for Extension

#### PROFILE

Started in 1956, as Department of Community Development and Extension, it was renamed as Department of Extension Education in 1988. The primary programmes are five-fold – extension, teaching, research, training and monitoring and evaluation. The Centre trains GRI students in Values and Social Responsibilities through Village Placement Programme, and exposes them to the theoretical side of Extension thrust areas. It offers Ph.D. programme with the objective of exposing the scholars to the various facets of rural development. The department offered an MBA in Rural Project Management in order to expose them about the concepts, methods, and practices of planning and management of rural development.



#### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme | Year of Introduction |
|-------|-----------|----------------------|
| 1.    | Ph.D      | 2018-19              |

#### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty | Designation            |
|-------|---------------------|------------------------|
| 1.    | Dr.M.P.Boraian      | Professor and Director |

#### THRUST AREAS OF RESEARCH

- ❖ Extension Methods, Training and Communication
- ❖ Management of Local Organizations (NGOs, CBOs, and SHGs)
- ❖ Participatory Rural Appraisal methods
- ❖ Project Planning, Monitoring and Evaluation
- ❖ Micro level planning for participatory development
- ❖ Social Protection for Disabled Persons
- ❖ Social Capital and Sustainable Livelihood
- ❖ Monitoring RD Programmes of Govt. of India

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## Department of Lifelong Learning and Extension

### Centre for Lifelong Learning

#### PROFILE

Established in the year 1984, the department operates with a vision to enhance the quality of life of rural people through meaningful and sustained rapport between the institute and rural communities by catering to the educational needs, augmenting income, counseling, population education of rural communities and action research. The thrust areas include teaching, training, research, lifelong learning programme, on campus / off campus programmes and population education.



#### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme  | Year of Introduction |
|-------|--|----------------------|
| 1.    | Ph.D. Programme  | 1990                 |
| 2.    | B.Voc (Multimedia Production Technology)   | 2018                 |
| 3.    | D.Voc in Refrigerator and Air Conditioning (One year)  | 2018                 |
| 4.    | Diploma Course in Digital Videography  | 2012                 |
| 5.    | Diploma in Two Wheeler Mechanism   | 2018                 |
| 6.    | Certificate Course in Digital Photography  | 2012                 |
| 7.    | Certificate in Two Wheeler Technician  | 2018                 |
| 8.    | Open Basic Education – 8 <sup>th</sup> std.<br>Secondary course (equivalent to 10 <sup>th</sup> std.)<br>Senior Secondary course (equivalent to 12 <sup>th</sup> std.) | 2003                 |
| 9.    | Typewriting<br>75% of the course candidates passed with First class and distinction  | 2012                 |
| 10.   | Post Doctoral Programme  | 2018                 |

#### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty | Designation         |
|-------|---------------------|---------------------|
| 1.    | Dr.L.Raja           | Professor           |
| 2.    | Dr.R.Subburaman     | Professor           |
| 3.    | Dr.S.Baluchamy      | Professor & Head    |
| 4.    | Dr. R. Venkataravi  | Associate Professor |

  
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## THRUST AREAS OF RESEARCH

- i. To cater to the educational needs of all sections of rural communities
- ii. To augment the income of the villagers by training in income generation skills
- iii. To conduct action research to identify feasible solutions to rural problems

## PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Reputed Journals as notified by UGC)

### Dr.R.Venkataravi

1. "Information and communication Technology for Livelihood development Micro Perspective in Kollam, Kerala" in *International Journal of Social and Economic Research* (International -2249 6270); Vol. 9(4), pp.2-18, October 2019.
2. "Effect of Village Knowledge Center (VKC) on Rural Livelihood Micro Perspective in Dindigul District, Tamil Nadu" in *Journal of Extension and Research* (National), December 2019.
3. "Information, Communication and Technology for unlocking opportunities in COVID 19 Lockdown Circumstance: Case studies from Rural Kerala and Tamil Nadu" in *International Journal of Psychosocial Rehabilitation* (International -1475-7192); Vol. 24(7), pp.10331-10338, April 2020.
4. "Information Communication and Technology and Flood Micro level perspective study in Kerala" in *Alochana Chakri journal* (National -2231-3990); Vol. 9(5), pp.3089-3100, April 2020.

## BOOKS PUBLISHED

### Dr.R.Venkataravi

1. Published a book on "Management Practices in Village Knowledge Centre" in Shanlax Publications, Madurai pp, 178; (ISBN/ ISSN: 978-93-90082-06-3); March, 2020.
2. Published a book on "Partnership for Rural Development" in LAMBERT Academic Publishing, December, 2019.

## EXTENSION ACTIVITIES

### Dr.L.Raja

1. 73<sup>rd</sup> Independence Day celebration was organized at Melkarai Pudur village on 15 August 2019
2. Teachers Day Celebration was organized at Melkarai pudur village on 5 September 2019.
3. A One day Training programme on Life Skills was organized at Melkarai Pudur village on 25 September 2019.
4. One day Training on Personality Development was organized at Melkarai Pudur village on 27 September 2019.
5. 150<sup>th</sup> Gandhi Jayanthi day celebration was organized at Ulagampatti village on 4 October 2019.
6. Counseling sessions for children in four villages was organized at Melkaraipudur, Chettiapatti, Thopampatti and Aharam villages on 21 January 2020.
7. Awareness Rally on Child Rights was organized at Aharam to Melkarai Pudur village on 5 January 2020.
8. One day refresher training programme for GRI Balwadi Teachers was organized at GRI, Gandhigram on 13 February 2020.
9. Annual children's mela Teachers was organized at Silver Jubilee Hall, GRI, Gandhigram on 1 March 2020.
10. International Women's Day was organized at Chettiapatti Village on 8 March 2020.



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Gandhigram Rural Institute  
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Gandhigram - 624 302.  
Dindigul Dist, Tamilnadu.

## Department of Political Science and Development Administration

### PROFILE

The Department started in 1956 has its focus on democratic decentralization and development administration. The Department has got support under UGC-SAP DRS - II programme for research on Decentralization and Local Governance.



### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme  | Year of Introduction |
|-------|--|----------------------|
| 1     | Ph.D   | 1986                 |
| 2     | M.Phil   | 2006                 |
| 3     | M.A. Development Administration (5 years Integrated) | 1996                 |

### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty  | Designation         |
|-------|----------------------|---------------------|
| 1     | Dr. V. Ragupathy     | Professor & Head    |
| 2     | Dr. K.S. Nakkeeran   | Professor           |
| 3     | Dr. Sonkhogin Haokip | Assistant Professor |

### THRUST AREAS OF RESEARCH

- Decentralization and Local Governance
- Empowerment of women and other marginalized
- Reforming governance and administration at grassroots
- People's participation in governance and development
- Transformative Leadership

  
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## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

### Dr. V. Ragupathy

1. Organized a Seminar 144<sup>th</sup> Birth Anniversary of Sardar Vallabhbhai Patel on Contributions of Sri Sardar Vallabhbhai Patel for Nation Building funded by GRI from 31<sup>st</sup> October 2019.
2. Organized an Endowment Lecture on Sri. G. Vengatachalapathy Endowment Lecture funded by GRI from 29<sup>th</sup> January 2020. Mr. S.M. Vijayanand I.A.S (Retd.), Former Chief Secretary, Govt. of Kerala was the resource person.
3. Organized a Brain storming session P.G students on 'Opportunities for Development studies' funded by GRI from 24<sup>th</sup> July 2019. Dr. Sivakumar, Alumini of GRI and Associate Professor, Department of Development Studies, Hawassa University, Ethiopia was the resource person.
4. Organized a Brain storming session on "Innovation for Development" funded by GRI from 03<sup>rd</sup> September 2019. Dr. Kamal Taori, IAS (Retd.), Chairman, Rural Business Hub Foundation India (RBHFI) was the resource person.
5. Organized a Special Lectures on "Reimagining Panchayats from a Gandhian Perspective" to mark the 150<sup>th</sup> Birth Anniversary of Mahatma Gandhi to the students of School of Social Science, funded by GRI from 3<sup>rd</sup> October 2019. Mr. S.M. Vijayanand, IAS (Retd.), Former Chief Secretary, Govt. of Kerala, Former Secretary Ministry of Panchayati Raj, Govt. of India was the resource person.
6. Organized a Special Lectures on "To mark the 150<sup>th</sup> Birth Anniversary of Mahatma Gandhi to the students of School of Social Science", funded by UGC - SAP from 21<sup>st</sup> October 2019. Mr. Dr. T.C.A. Anant, Member, Union Public Service Commission, New Delhi was the resource person.
7. Organized a Brain storming session on "Indian Constitution on Human Rights" to mark the 70<sup>th</sup> Anniversary of Indian Constitution funded by GRI from 10<sup>th</sup> December 2019. Dr. S. Amirthalingam, Associate Professor, Tamil Nadu Nation Law University, Trichy was the resource person.
8. Organized a Symposia on "India and South Asia", funded by GRI from 22<sup>nd</sup> January 2020. Dr. D. Purushothaman, Associate Professor & Centre Head, Centre for South Asian Studies, Pondicherry University, Pondicherry was the resource person.
9. Organized a Symposia on "Indian Constitution and social justice", funded by GRI on 30<sup>th</sup> January 2020. Mr. S.M. Vijayanand, IAS (Retd.), Former Chief Secretary, Govt. of Kerala, Former Secretary Ministry of Panchayati Raj, Govt. of India was the resource person.
10. Organized a Brain storming session on "Dravidian Movement in Tamilnadu" funded by GRI from 6<sup>th</sup> February 2020. Dr. P. Maduraiveeran, Professor & Head, Anna Centre for Public Affairs University of Madras, Chennai was the resource person.

### Dr. V. Ragupathy & Dr. K.S. Nakkeeran

1. Organized a 70<sup>th</sup> Constitution day Celebrations Competitions on 1. Elocution competition: Title: Basic features of Indian Constitution 2. Essay competition: Title: Fundamental rights in Indian Constitution 3. Poster making competition; Title: Unity in Diversity funded by GRI from 11<sup>th</sup> March 2020 to 13<sup>th</sup> March 2020.
2. Organized a Symposia on "Accused are not convicts the Rights of the Accused", through Webinar – Google Meet from 29<sup>th</sup> May 2020. Sri. Justice G.R. Swaminathan, Hon'ble Judge Madras High Court, Madurai Bench was the resource person.
3. Organized a Special Lecture on "Fundamental Freedoms Under the Indian Constitution", through Webinar – Google Meet from 1<sup>st</sup> January 2020. Dr. Kamala Sankaran, Professor of Law, University of Delhi, Former Vice Chancellor, Tamil Nadu National Law University was the resource person.
4. Organized a Special Lecture on "Response to Covid, The Kerala Experience, with Focus on the role of Local Governments" through Webinar – Google Meet from 4<sup>th</sup> June 2020. Sri. S.M. Vijayanand, Chairman, State Finance commission, Govt. of Kerala, Former Chief Secretary Government of Kerala was the resource person.
5. Organized a Symposia on "Environmental Laws in India", through Webinar – Google Meet from 5<sup>th</sup> June 2020. Sri. R. Kamalakar, IAS, Director, Ministry of External Affairs, Government of India, New Delhi was the resource person.

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6. Organized a Seminar on "Post Covid-19: Revisiting the priorities for India's Development", through Webinar – Google Meet from 19<sup>th</sup> June 2020. Dr. Swati Nanda, Asst. Professor of Political Science, Banaras Hindu University and Dr. S. Sivakumar, Associate Professor, PG Program Coordinator, School of Governance and Development Studies, Hawassa University, Ethiopia and Dr.G. Uma, Assistant Professor, School of Gender and Development Studies, Indira Gandhi National Open University was the resource person.
7. Organized a Brainstorming session on "Understanding American Society – Journey to Freedom", through Webinar – Google Meet from 20<sup>th</sup> June 2020. Mr. Ganesan Alagusamy, Consultant on E-Governance Clarksburg, MD, USA was the resource person.
8. Organized a Brain storming session on "Journey to Freedom – American Experience", through Webinar – Google Meet from 24<sup>th</sup> June 2020. Mr. Ganesan Alagusamy, Consultant on E-Governance Clarksburg, MD, USA was the resource person.
9. Organized a Special Lecture on "Evolution of PMO as an Institution for Governance", through Webinar – Google Meet from 25<sup>th</sup> June 2020. Dr. S.S. Meenakshi Sundaram I.A.S., (Retd), Former Secretary, Ministry of Rural Development Government of India was the resource person.

#### **Dr. Sonkhogin Haokip**

1. Organized an International Conference on "23<sup>rd</sup> Annual Conference and International Seminar on "Gandhian Principles: Panacea for Peoples' Problems in Developing Countries" funded by GRI on 25<sup>th</sup> June 2020.

#### **CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED**

#### **Dr. V. Ragupathy**

1. Delivered a valedictory address titled "Gandhi and Communal Harmony" on Seminar organized by College of Gandhian Thought, Madurai during 8<sup>th</sup> August 2019.
2. Chairperson of the Technical Section on China and Indo Pacific at the International Conference on "Navigating the Idea of Indo-Pacific", Madurai Kamaraj University, Madurai during 29<sup>th</sup> October 2019.
3. Acted as Resource person in State level workshop on Manual Preparation for Village Volunteers organized by State Institute of Rural Development Govt. of Tamil Nadu, Chennai during 19<sup>th</sup> to 21<sup>st</sup> December 2019.

#### **Dr. K.S. Nakkeeran**

1. Delivered a Key note address at the Seminar on 144<sup>th</sup> Birth Anniversary of Sri Sardar Vallabhbhai Patel organized by GTN Arts College, Dindigul during 31<sup>st</sup> October 2019.
2. Acted as Resource person in National Level Master Assessor to Certify Master Resource Persons organized by State Institute of Rural Development Govt. of Tamil Nadu, Chennai during 06<sup>th</sup> to 07<sup>th</sup> February 2020.
3. Acted as Resource person in National Level Master Assessor to Certify Master Resource Persons organized by State Institute of Rural Development Govt. of Tamil Nadu, Chennai during 27<sup>th</sup> to 28<sup>th</sup> February 2020.

#### **Dr. Sonkhogin Haokip**

1. Chaired a session on International Seminar on 23<sup>rd</sup> Annual Conference and International Seminar on "Gandhian Principles: Panacea for Peoples' Problems in Developing Countries" funded by GRI from 10<sup>th</sup> January 2020 to 12<sup>th</sup> January 2020.
2. Presented a paper in an International Conference on Liberalization, Privatization and Globalization: Three Decades of Experience in India organized by GRI-DU during 14<sup>th</sup> to 15<sup>th</sup> February 2020.

#### **PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Refereed Journals as notified by UGC)**

#### **Dr. Sonkhogin Haokip**

1. "Village Level Impact of MGNERGS: An Evaluation in Three Districts of Tamil Nadu" in *Adalya Journal* (International-1301-2746); WoS Iss.8, pp.956-974, October 2019.

2. "Impact of MGNREGS on Women's Empowerment: Experience from Tamil Nadu" in *Adalya Journal* (International-1301-2746); WoS Iss.8, pp.1422-1434, October 2019.
3. "Evaluating Household Level Impact of MGNREGA Scheme in Tamil Nadu: A Case Study" in *Adalya Journal* (International-1301-2746); WoS Iss.8, pp.654 - 669, November 2019.
4. "Household Level Impact Assessment of MGNREGA Scheme" in *International Journal of Innovative Technology and Exploring Engineering (IJITEE)* (International-2278-3075); Scopus Iss.9, pp. 543 - 549, December 2019.

### TALKS DELIVERED

#### Dr. K.S. Nakkeeran

1. Delivered a talk in "Human Rights Institutions in India" on Special Lecture at Department of Tamil and Economics, G.T.N. Arts College, Dindigul in 08.08.2019.

#### Dr. V. Ragupathy

1. Delivered a talk in "The Role of Village Panchayat presidents in Village Development" on Special Lecture at District Collectorate in GRI in 23.01.2020.
2. Delivered a talk in "Gandhian Movement in Tamilnadu" on Special Lecture at Gandhi Memorial Museum, Madurai in 20.02.2020.

### EXTENSION ACTIVITIES

#### Dr. K.S. Nakkeeran

1. Extension activities on Survey were organized at Kalikkampatti from 5<sup>th</sup> March 2020.

### VISITORS TO THE DEPARTMENT

| Name of the Visitor                                    | Designation and Affiliation   | Purpose  | Month and Year of Visit |
|--|---|--|-------------------------|
| Dr. S.S. Meenakshi Sundaram I.A.S., (Retd)             | Former Secretary, Ministry of Rural Development Government of India | <u>Delivered special Lectures:</u><br>Federalism: How does it work in India?<br>Interaction between revenue, Development and Police Functionaries at District Level.<br>Lessons for Rural Development from the White Revolution. | 18.09.2019 & 19.09.2019 |
| Dr. Vivek Pandey, Associate Professor                  | Institute of Rural Management                                       | Advisory Committee meeting   | 10.01.2020 & 11.01.2020 |
| Prof. Gopal K Kadekodi, Hon. Professor                 | Dharwad, Karnataka  | Advisory Committee meeting   | 10.01.2020 & 11.01.2020 |
| Mr. S.M. Vijayanand I.A.S (Retd.)                      | Former Chief Secretary, Govt. of Kerala                             | Sri. G. Vengatachalapathy Endowment Lecture  | 29.01.2020 & 30.01.2020 |
| Dr. Sivakumar, Associate Professor                     | Department of Development Studies, Hawassa University, Ethiopia     | an interaction with P.G students on 'opportunities for Development studies'  | 24.07.2019              |
| Dr. Kamal Taori, IAS (Retd.),                          | Chairman, Rural Business Hub Foundation India (RBHFI)               | Special Lecture "Innovation for Development"   | 03.09. 2019             |
| Dr. T.C.A. Anant                                       | Member, Union Public Service Commission, New Delhi                  | Special Lecture Sustainable Development Goal: A Gandhian Perspective   | 21.10.2019              |
| Dr.S.Amirthalingam, Associate Professor                | Tamil Nadu Nation Law University, Trichy                            | Special Lecture "Indian Constitution on Human Rights"  | 10.12.2019              |
| Dr. D. Purushothaman, Associate Professor & CentreHead | Centre for South Asian Studies, Pondicherry University, Pondicherry | lecture on "India and South Asia"  | 22.01.2020              |

**REGISTRAR**

## Department of Education

### PROFILE

The Department of Education, Gandhigram Rural Institute is a leading Centre for Teaching, Training, Educational Research and Extension. The Institute is granted with recognition by the NCTE courses, B.Ed., M.Ed., and B.Sc. B.Ed. (Integrated) under the Choice Based Credit System (CBCS). The department has received School of Education under the scheme of PMMMMNTT in September 2018.

The department offers NCTE approved M.Ed. programme from September 2018. The students are admitted in to the M.Ed Programme through an all India entrance examination. The Gandhigram Rural Institute (GRI) is granted with recognition by the NCTE to offer the Two Year B.Ed under the Choice Based Credit System from the year 2017-2018, onwards.

The NCTE has also approved to offer the Four Year B.Sc., B.Ed Integrated come 2018-2019 onwards. Department of Education, GRI is also offers the Research programme Doctor of Philosophy (Ph.D) from 2010 -2011 onwards. The Department of Education so far produced 15 batches of B.Ed Teacher Trainees and 10 batches of M.Ed scholars. 3 Ph.D scholars awarded and 20 Ph.D scholars are at present pursuing research in the department in the major thrust areas of Educational Research. The vision of the Department is to develop and sustain quality in teacher education programmes by integrating the current knowledge and pedagogical principles with the Basic Education programme propounded by Mahatma Gandhiji.



### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme              | Year of Introduction |
|-------|------------------------|----------------------|
| 1     | Ph.D                   | 2010                 |
| 2     | M.Phil (Integrated)    | 2018                 |
| 3     | M.Ed.                  | 2008                 |
| 4     | B.Ed (2 years)         | 2016-18              |
| 5     | B.Sc,B.Ed (Integrated) | 2018                 |

### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty          | Designation          |
|-------|------------------------------|----------------------|
| 1     | Dr. A. Jahitha Begum         | Professor & Head i/c |
| 2     | Dr. P.S. Sreedevi            | Assistant Professor  |
| 3     | Dr.N.Devaki                  | Assistant Professor  |
| 4     | Dr.R.Bagdha Vatchala Perumal | Assistant Professor  |
| 5     | Dr. P.Ponnusamy              | Assistant Professor  |

  
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## THRUST AREAS OF RESEARCH

1. Cognitive Science
2. Educational Psychology
3. Information and Communication Technology
4. Science Education
5. Teaching Competency

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

### Dr.P.S.Sreedevi

1. Organized a National Conference on Skill Development, funded by MHRD from 26<sup>th</sup> September 2019 to 27<sup>th</sup> September 2019.
2. Organized a National Workshop on Public Financial Management System and EAT Module, funded by GRI from 9<sup>th</sup> March 2020 to 10<sup>th</sup> March 2020.

### Dr.N. Devaki

1. Organized The Founder's 115<sup>th</sup> Birthday, funded by GRI University from 9 October 2019.
2. Organized a National Conference on Skill Development, funded by PMMMNMTT from 26 November 2019 to 27 November 2019.
3. Organized a Teacher's Day Celebration, Dept. of Education, founded by GRI University from 5 September 2019.
4. Organized an Endowment Lecture, funded by GRI University from July 2019 to September 2019.
5. Organized an Eye camp, funded by GRI University from 21 January 2020.
6. Organized a One Week Competition for Gurukula Smriti Day, funded by GRI University 21 January 2020.
7. Organized a Smriti Day, funded by GRI University from 17 January 2020.

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

### Dr.P.S.Sreedevi

1. Delivered a talk titled "Structure of Multiple Choice Question: A Blooms Taxonomy" at the State level Workshop on "Generation and Substantiation of multiple choice questions" organized by Internal Quality Assurance Cell, IQAC, PSG College of Arts and Science, Coimbatore during 22<sup>nd</sup> August 2019.
2. Delivered a talk titled "Open Educational Resources" at the National level Three Day Workshop on MOOCs & OER (WMO), organized by Manonmaniam Sundaranar University, Tirunelveli during 20<sup>th</sup> September 2019.
3. Delivered a talk titled "Online Research Tools" at the National level Ten Day Workshop on Advanced Research Methodology (WARM) organized by Manonmaniam Sundaranar University, Tirunelveli during 20<sup>th</sup> September 2019.
4. Delivered a talk titled "Construction of Question at Higher Education-A bloom's Taxonomy Approach" at the National level Two-day Workshop on construction of Question for teachers of higher education organized by Manonmaniam Sundaranar University, Tirunelveli from 23<sup>rd</sup> October 2019
5. Delivered a talk titled "Shanti Sena: The Peace Brigadiers in Gandhigram Rural Institute – A Gandhian" at the International Conference Revisiting the Virtues of Gandhian philosophy: Relevance & Applicability in the 21<sup>st</sup> Century organized by University of Jammu & Central University of Jammu & Sarvodya International Trust during 7<sup>th</sup> November 2019.
6. Delivered a talk titled "Unique Practices in Teacher Education: The peace brigade in Gandhigram Rural Institute" at the National level three day seminar cum workshop on "Showcasing of Best and Unique Practices in Teacher Education" organized by Inter University Centre for Teacher Education, Regional Institute of Education, Manasagangotri, Mysuru during 22<sup>th</sup> January 2020.

### Dr. N. Devaki

1. Presented a paper titled "Array of Websites for Children with learning Disabilities: Novel initiatives to invoke the joy of learning" at the International conference on Learning Disability: Assessment,

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- Diagnosis and Cognitive Scaffolding (LDADCS-2019) organized by Dept. of Education, Periyar University, Salem during 1<sup>st</sup> November 2019.
2. Presented a paper titled "Internet: Galvanizing New Skills, New Resolution towards New Wisdom" at the National Conference on Skill Development organized by Dept. of Education, Gandhigram Rural Institute-Deemed to be University, Gandhigram during 26<sup>th</sup> – 27<sup>th</sup> November 2019.
  3. Presented a paper titled "Education and Skill Development" at the National Conference on Skill Development organized by Dept. of Education, Gandhigram Rural Institute-Deemed to be University, Gandhigram during 26<sup>th</sup> – 27<sup>th</sup> November 2019.
  4. Presented a paper titled "E-Learning Proliferation towards Information Revolution" at the National Conference on Skill Development organized by Dept. of Education, Gandhigram Rural Institute-Deemed to be University, Gandhigram during November 2019.
  5. Presented a paper titled "Family Income: A Predictor of Teaching Competency" at the National Conference on Skill Development organized by Dept. of Education, Gandhigram Rural Institute-Deemed to be University, Gandhigram during 26<sup>th</sup> – 27<sup>th</sup> November 2019.
  6. Presented a paper titled "Self-Directed Learning: A Rainbow of Experience among Prospective Teachers" at the International conference on Cognitive, Psychological and Behavioral Perceptive in Education organized by Alagappa University College of Education during 11<sup>th</sup> – 12<sup>th</sup> July 2019.
  7. Presented a paper titled "Vibrancy of Technology and Cognition: An Exploration" at the International Conference on 21<sup>st</sup> Century Education: Techno-Pedagogical Trends and Innovations organized by Dept. of Educational Technology, Bharathidasan University, Trichy, During 27<sup>th</sup> – 28<sup>th</sup> February 2020.
  8. Presented a paper titled "Mobile Mobilization: An Innovative Trend Creating Borderless Learning Territories among Eight Standard Students" at the International Conference on 21<sup>st</sup> Century Education: Techno-Pedagogical Trends and Innovations organized by Dept. of Educational Technology, Bharathidasan University, Trichy during 27-28<sup>th</sup> February 2020.
  9. Presented a paper titled "Attitude towards Teaching Profession and Teaching Competency of Prospective Teachers" at the International Conference on 21<sup>st</sup> Century Education: Techno-Pedagogical Trends and Innovations organized by Dept. of Educational Technology, Bharathidasan University, Trichy 27-28<sup>th</sup> February 2020.
  10. Participated in a National level Webinar Series on Digital Learning - Adopted by Chance, Let's adopt by choice! Organized by Chennai Institute of Technology, Chennai during 9 -16<sup>th</sup> May 2020.
  11. Participated in a National level Webinar on "How the teachers should be ready for post pandemic challenges" organized by Chennai Institute of Technology, Chennai during 12<sup>th</sup> May 2020.
  12. Participated in a National level Webinar on Mental Health and Hygiene organized by SASTRA University during 13<sup>th</sup> May 2020.
  13. Participated in an International conference Webinar on Pandemic Pedagogy in higher education of Covid 19 organized by Bharathiar University during 13<sup>th</sup> May 2020.
  14. Participated in a National level Webinar on Artificial Intelligence and Machine Learning organized by Sri Eswar College, CBE during 14<sup>th</sup> May 2020.
  15. Participated in an International Webinar on Future of Professional Development organized by VIT during 14<sup>th</sup> May 2020.
  16. Participated in a Webinar on Cyber Security organized by Sri Eswar College, CBE during 15<sup>th</sup> May 2020.
  17. Participated in a National level Webinar on Four Pillars of Education organized by Manav Rachna during 20<sup>th</sup> May 2020.
  18. Participated in a National Webinar on Video Conferencing: Using Team Link for Live Classes organized by Vellalar College of Education for Women, Erode during 23<sup>rd</sup> May 2020.
  19. Participated in a National level Webinar on LAW organized by Indra Ganesan College of Education during 25<sup>th</sup> May 2020.
  20. Participated in a National Webinar on Online Learning: 21<sup>st</sup> Century Education at crossroads organized by Sri Jain Narain Misra P.G.College, Lucknow during 26<sup>th</sup> May 2020.
  21. Participated in a National Webinar on Techno - Pedagogical Practices for Digital Learners Organized by Vellalar College of Education for Women, Erode during 26<sup>th</sup> May 2020.
  22. Participated in a National level Webinar on Journey of Learner to Teacher organized by Vellalar College of Education for Women, Erode during 28<sup>th</sup> May 2020.

23. Participated in a National Webinar on Digital culture; in users perspective organized by Vellalar College of Education for Women, Erode during 30<sup>th</sup> May 2020.
24. Participated in an International Webinar on Rising to Challenge: Strategies to deal with the difficult learners in language classroom organized by Annamal College and APC College during 3<sup>rd</sup> June 2020.
25. Participated in an International Webinar on Context based pedagogy and assessment in Higher Education organized by Central University of Hariyana during 3<sup>rd</sup> June 2020.
26. Participated in a National level Webinar on Discourse Analysis: Research and Literacy in the Language Classroom organized by GITAM School of Gandhian Studies & Directorate of Research and Consultancy during 5<sup>th</sup> June 2020.
27. Participated in an International Webinar on Experiences of Engaging with Diverse Communities: Challenges and Key Learnings organized by Mata Sundari College for Women during 8<sup>th</sup> June 2020.
28. Participated in a National level Webinar on Exploring Gandhiji's life and Works: A new initiation organized by D.K.M College for Women, Vellore during 10 June 2020.
29. Participated in a National Webinar on Role of Brain in Learning organized by Sri Bharathi College of Education during 11<sup>th</sup> June 2020.
30. Participated in an International Webinar on STEM Education and Knowledge Integration organized by Alagappa University during 15<sup>th</sup> June 2020.
31. Participated in an International Webinar on Impact on covid 19 on Human Resource in Higher Education organized by The Gandhigram Rural Institute-DTBU during 24<sup>th</sup> June 2020.
32. Participated in a National level Webinar on Teaching Strategies to promote higher order thinking organized by Indra Ganesan college of Education during 26<sup>th</sup> June 2020.
33. Participated in a National level Webinar on Balancing the self, family and Profession organized by Manav Rachna during 27<sup>th</sup> June 2020.

#### **Dr.R.Bagdha Vatchala Perumal**

1. Participated in a National Webinar on Road Map to Blended Learning and E-Resources organized by Noida College of Physical Education during 27<sup>th</sup> June 2020.
2. Participated in an International Webinar on Leadership qualities for Employment organized by Indra Ganesan college of Education during 29<sup>th</sup> June 2020.
3. Participated in an Online National Workshop on Data Analysis Using SPSS organized by The American College, Madurai, Tamil Nadu during 28-30<sup>th</sup> may 2020.
4. Participated in a National level Faculty Development Programme on Managing online classes and co-creating moocs: 2.0 organized by PMMMNMTT Ramanujan College, University of Delhi during 18<sup>th</sup> may 2020 to 3<sup>rd</sup> June 2020.
5. Participated in a National level Faculty Development Programme on Open Source Tools for Research organized by PMMMNMTT Ramanujan College, University of Delhi during 8<sup>th</sup>-14<sup>th</sup> June 2020.

#### **Dr.P.Ponnusamy**

1. Participated in a National level Online Workshop on Techno Pedagogy-2020 organized by Bharathiyar University and Bharathiya Shikshan Mandal during 24<sup>th</sup>- 30<sup>th</sup> June 2020.
2. Participated in a Research Methodology Course - National Consultative Meet on Critical Role of Central Universities in Transforming Teacher Education organized by NIEPA, New Delhi during 20<sup>th</sup>- 21<sup>st</sup> January 2020.

#### **PUBLICATIONS**

#### **PAPERS PUBLISHED IN NATIONAL/INTERNATIONAL JOURNALS (Research Publications in Refereed Journals as notified by UGC)**

#### **Dr.P.S.Sreedevi**

1. "Cognition levels of Pre-primary school children: Role of Play-way, Montessori and Kindergarten Instruction Methods" in TEST Engineering and Management (Scopus Indexed (International-0193-4120); Vol. 83, pp. 17474 -17481, March-April, 2020.

**REGISTRAR**

2. "Attitude towards Social media enabled learning among Higher secondary students" in Education Times, An International Journal of Education and Humanities (International-2319-8265); Vol.XIII(1), pp.24-28, Feb.– March 2020
3. "QR Code Enabled Curriculum at Secondary level- A teachers Perspectives" in Education Plus - International Journal of Education & Humanities (International-2277-2405); Vol.XIV(1),pp.140-146, Jan-Feb 2020.

#### **Dr.P.Ponnusamy**

1. "Creativity of Student Teachers with Reference to their Gender and Locality" in Shanlax International Journal of Education (ERIC Indexed Journal); (National- 2320-2653 E-ISSN: 2582-1334);Vol.8(1), pp.48-53,December 2019.
2. Integrating Technology into Classroom Practices: What do the Practitioners Feel in Journal of Information and Computational Science (UGC CARE Listed-II); (National-1548-774); Vol.10 (4), pp.441-447, April 2020.
3. Perception of High School Students on their Teachers' Encouragement to Learning in Journal of Xidian University (UGC CARE Listed-II & Scopus Indexed); (National-1001-2400); Vol.10 (4), pp.510-517, April 2020.

#### **PAPERS IN NATIONAL / INTERNATIONAL CONFERENCE PROCEEDINGS**

##### **Dr.P.S.Sreedevi**

1. "E-Content modules New Paradigm for Teaching Learning process in the 21<sup>st</sup> Century" in Education on Digital Culture and Social Media, Department of Education, Annamalai University, Annamalai Nagar, (National-9780359895069); pp.405-409, Sep 2019.
2. "E-Content as an innovative tool for enhancing disabilities students" in Learning Disability: Assessment, Diagnosis and cognitive scaffolding, L Ordine Nuovo Publication, Madurai, (National-9789386782977), pp-108-115, November 2019.

##### **Dr. N. Devaki**

1. "Innovative and Digital Language Pedagogy for Digital Natives", in Innovating Pedagogy 2019: Language, Literature and Vocational Education, Bharathidasan University Press, Trichy, (International-9789389146059), pp.149-151, 2019.

##### **Dr.P.Ponnusamy**

1. "Stress of School Teachers in Their Working" in 2<sup>nd</sup> International Conference on Insights and Innovations in Humanities, Arts and Science – (BICOHAS19) - Recent Trends in Humanities and Social Sciences, Bodhi International Journal of Research in Humanities, Arts and Science, Madurai, TN & University Putra, Malaysia, (International-978-81-943093-6-9),Vol-1(1), pp.19-28, July 2019.
2. "Use of Learning Strategies in Improving Mathematical Skills among the Secondary School Students" in National Conference on Skill Development (ncosd2019 -Education and Skill Development, SoE, PMMMMNMTT, GRI, (National - 978-93-88316-72-9), Vol.1(1), pp.54-63, September 2019.
3. "Use of Educational Technology in Enhancing Students' Learning Skills", National Conference on Skill Development (NCOSD2019 -Education and Skill Development, SoE, PMMMMNMTT, GRI, (National - 978-93-88316-72-9), Vol.1(1), pp.93-98, September2019
4. "Gender Difference in Teacher Efficacy of Higher Secondary Teachers Working Rural Schools" in National Conference on Skill Development (ncosd2019 -Education and Skill Development, SoE, PMMMMNMTT, GRI, (National-978-93-88316-72-9), Vol.1(1), pp.139-146, September 2019.
5. "Secondary School Students' Attitude towards Science Practical" in National Conference on Education in India: Changes and Challenges, St.Charles College of Education & Bodhi International Journal of Research in Humanities, Arts and Science, Madurai, TN (National-978-81-944724-4-5), Vol.1(1), January 2020.
6. "Participatory Learning Approach in Enhancing the Science Achievement among the B.Ed. Students" in National Seminar on Participatory Learning in Higher Education: Challenges and Opportunities, Government Ramnarayan Chellaram College of Commerce & Management, Bengaluru, Karnataka, (National - 978-93-5396-797-0), Vol.1(1), pp.187-189, February 2020.

## EDITED BOOKS PUBLISHED

### Dr.P.S.Sreedevi

1. Edited book titled "Information and Communication Technology in Education" published by Studera Press, New Delhi Publications, (National, ISSN. 978-93-85883-30-9); pp. 176, June 2019.
2. Edited book titled: "Education and Skill Development" published by APH Publishing Corporation, New Delhi Publications, (National, ISSN. 9789388316729); pp. 248 January 2020.
3. Edited book titled "ICT and Women Empowerment in Skill India" published by APH Publishing Corporation, New Delhi Publications, (National, ISSN.9789388316705); pp 243. January 2020.

## CHAPTERS PUBLISHED

### Dr.P.S.Sreedevi

1. "Enhancing special children with 7E Model through E- Content Package" in the book of Special Education Issues and Challenges published by Eureka, (National-9788194211044), pp.122-133, July 2019.
2. "Marginalization: Educational Issues among Marginalized Group" in the book of Issues Multifaceted Microcosms published by Walnut Publication, (National-9788194348634), pp.128-140, October 2019.
3. "Beyond the Bubble: Impact of Soft Skills among potential Prospective Teachers" in the book of Education and Skill Development published by APH Publishing Corporation, New Delhi, (National-9789388316729),pp.1-10, January 2020.
4. "Impact of Science process skills in Achievement of B.Ed., Trainees- A Correlation study" in the book of Education and Skill development published by APH Publishing Corporation, New Delhi, (National-9789388316729), pp.24-32, January 2020.
5. "Skill India and Women Empowerment" in the book of Skill India and Women Empowerment Published by APH Publishing Corporation, New Delhi, (National-9789388316729), pp.40-45, January 2020.
6. "Skill Oriented Education through Technology" in the book of ICT and Women Empowerment in Skill India published by APH Publishing Corporation, New Delhi, (National-9789388316705), pp.1-4, January 2020.
7. "Technology skills using an Electronic Learning Platform to develop on Teaching" in the book of ICT and Women Empowerment in Skill India published by APH Publishing Corporation, New Delhi, (National-9789388316705), pp.65-71, January 2020.
8. "Initiatives for Tribal Girls Educational development: Opportunities and Challenges" in the book of Women of Marginalised Communities (Concerns about Exclusion) published by Sarup Book Publishers, New Delhi, (National-9789352081684), pp.193-202, June 2020.

### Dr. N. Devaki

1. "Array of Websites for Children with learning Disabilities: Novel initiatives to invoke the joy of learning" in the book of Learning Disability: Assessment, Diagnosis and Cognitive Scaffolding published by L Ordine Nuovo Publication, New Delhi, (International-978-93-86782-97-7), pp.40-42, November 2019.
2. "Internet: Galvanizing New Skills, New Resolution towards New Wisdom" in the book of ICT and women Development in Skill India published by APH Publishing Corporation, New Delhi, (National-9789388316705), pp.122-134, January 2020.
3. "The Dawn of Techno Creativity – Innovative Digital Skills in Digital Age" in the book of ICT and women Development in Skill India published by APH Publishing Corporation, New Delhi, (National-9789388316705), January 2020.
4. "E-Learning Proliferation Towards Information Revolution" in the book of ICT and women Development in Skill India published by APH Publishing Corporation, New Delhi, (National-9789388316705), pp.13-21, January 2020.
5. "Family Income: A Predictor of Teaching Competency" in the book of ICT and women Development in Skill India published by APH Publishing Corporation, New Delhi, (National-9789388316705), pp.58-64, January 2020.

### **Dr.R.Bagdha Vatchala Perumal**

1. "Significance of Integrating Life Skills with school curriculum" in the book of Education and Skill Development published by APH Publishers New Delhi, (National-9789388316729), September 2019.
2. "21<sup>st</sup>Century Skills and Teacher Education" in the book of Education and Skill Development published by APH Publishers New Delhi, (National-9789388316729), September 2019.

### **TALKS DELIVERED**

#### **Dr.P.S.Sreedevi**

1. Delivered a talk in Training Programme for B.Ed, Students on MOODLE titled "Training for B.Ed, Students on MOODLE" at Centre for Professional Development of Teacher Education, SoE under PMMMMNMTT, GRI on November 2019.
2. Delivered a talk in 108<sup>th</sup> Orientation Programme titled "Microteaching: What, Why and How" at UGC-Human Research Development Centre, Bharathidasan University on November 2019.
3. Delivered a talk in Faculty Development Programme Build the Capacity of the Teachers in Research and Extension Activities titled "Higher Studies for Faculties" at Parvathy's Arts and Science College, Dindigul on 3.12.2019 and December 2020.

#### **Dr. N. Devaki**

1. Delivered a talk in Shanti Sena Week Meeting titled "The Relationship between Guru and Shishya" at The Gandhian Thought and Peace Studies, GRI-DTBU on July 2019.
2. Delivered a talk in a three day Capacity Building Workshop on Enhancing Skills of Teaching for Higher Education Teachers titled "Innovative Pedagogy in Enhancing Rainbow of Experience at Manonmaniam Sundaranar University, Tirunelveli on July 2019.
3. Delivered a talk in Orientation Programme for the Newly Admitted Students - 2019-20 titled "Gurukula and Shramdhan at The Gandhigram Rural Institute – Deemed to be University, Gandhigram on July 2019.
4. Delivered a talk in 107<sup>th</sup> Orientation Programme titled "Innovative Pedagogy for Digital Natives" at UCG-HRDC, Bharathidasan University, Trichy on December 2019.
5. Delivered a talk in Gandhiji's Life and Thoughts titled "Gandhiji's Life in South Africa" at Raj Bhavan, Chennai on September 2019.
6. Delivered a talk in National Conference on Skill Development titled "Skill Development" at GRI- DTBU on September 2019.
7. Delivered a talk in 107<sup>th</sup> Orientation Programme titled "Innovative Instructional Strategies" at UCG-HRDC, Bharathidasan University, Trichy on December 2019.
8. Delivered a talk in Refresher Course in Teacher Education for College/ University teachers titled "Innovative Pedagogy: A Road to Reach your Dream Zone" at UCG-HRDC, Madurai Kamaraj University, Madurai on February 2020.
9. Delivered a talk in International Conference on "21<sup>st</sup> Century Education: Techno-Pedagogical Trends and Innovations" titled "21<sup>st</sup> Century Education: Techno- Pedagogical Trends and Innovations" at Bharathidasan University, Trichy on February 2020.
10. Delivered a talk in Refresher Course in Educational Technology (Multidisciplinary) titled "Innovative Instructional Strategies" at UCG-HRDC, Bharathidasan University, Trichy on December 2019.
11. Delivered a talk in Short Term Course in Curriculum Development & Evaluation titled "Innovative Strategies for Curriculum Transaction" at UCG-HRDC, Bharathidasan University, Trichy on January 2020.

### **Dr.R.Bagdha Vatchala Perumal**

1. Delivered a talk in Action Research Dissemination Workshop titled "Nature of Action Research" at DIET Palayampatti, Virudhunagar District, Tamil Nadu.
2. Delivered a talk in Two Day Seminar on Inimitability of action Research in Educational Institutions (SIAR) titled "Action Research Objectives at School of Education, PMMMMNMTT, Manonmaniam Sundaranar University, Tirunelveli.
3. Delivered a talk in National Workshop on E-Content Development titled "E-Learning – An Introduction" at Alagappa University, Karakudi.



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Dindigul Dist, Tamilnadu.

4. Delivered a talk in National Workshop on E-Content Development titled “Reformed Pedagogical Strategies for students Engagement” at Alagappa University, Karakudi.
5. Delivered a talk in National Workshop on E-Content Development titled “Writing for Educational Media and Demo” at Alagappa University, Karakudi.
6. Delivered a talk in Faculty Development Programme titled “E-Content Development and MOOC” at Parvathy’s Arts and Science college, Dindigul, TamilNadu.
7. Delivered a talk in Innovative Initiatives in Techno Pedagogical Process titled “Technology Enabled Teaching-Learning” at DIET, Kalayarkovil, Sivagangai District, Tamil Nadu.

#### **Dr.P.Ponnusamy**

1. Delivered a talk in 2<sup>nd</sup> International Conference on Insights and Innovations in Humanities, Arts and Science – (BICOHAS19) titled “Recent Trends in Humanities and Social Sciences” at Bodhi International Journal of Research in Humanities, Arts and Science, Madurai, TN & University Putra, Malaysia on July 2019.
2. Delivered a talk in National Conference on Education in India: Changes and Challenges titled “Education in India: Changes and Challenges” at St.Charles College of Education & Bodhi International Journal of Research in Humanities, Arts and Science, Madurai, TN on January 2020.
3. Delivered a talk in National Seminar on Participatory Learning in Higher Education: Challenges and Opportunitie titled “Adding New Dimensions to Teaching in Higher Education” at Government Ramnarayan Chellaram College of Commerce & Management, Bengaluru, Karnataka on February 2020.

#### **EXTENSION ACTIVITIES**

1. Gandhi Smiriti Jothi rally to spread out the peace in our mind conducted by GRI-DTBU on 21<sup>th</sup> August 2019.
2. National Education Day Celebrations for Create the awareness about Azad organized by Department of Education, GRI-DTBU on 11<sup>th</sup> November 2019.
3. Gandhiji’s 150<sup>th</sup> birthday memorial Procession Organized by GRI-DTBU on 21<sup>st</sup> August 2019.
4. National Education Day Celebration organized by Department of Education, GRI-DTBU on 11<sup>th</sup> November 2019.
5. Orientation on School Internship Organized by GRI-DTBU on 22<sup>nd</sup> January 2020.
6. Village Placement Programme was organized at Alamarathupatty from 16<sup>th</sup> September 2019 to 21<sup>st</sup> September 2019.

#### **STUDENTS / SCHOLARS QUALIFIED IN CSIR-JRF / NET / SET / GATE / TET / TNPSC / UPSC etc., EXAMINATIONS**

| Name of the Student / Scholar | Programme of Study | Name of the Examination Qualified | Name of the Board Conducted the Examination | Month & Year of Passing |
|-------------------------------|--------------------|-----------------------------------|---|-------------------------|
| P.Nandini                     | Ph.D               | NET                               | NTA   | June 2019               |
| Ms. S. Janaki                 | Ph.D.              | UGC – NET                         | UGC – NTA                                   | July 2019               |



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## Department of Gandhian Studies and Sociology

### Centre for Gandhian Studies

#### PROFILE

The Department was started during the year 1983-84 as the Centre for Gandhian Thought and Peace Science. It offered an M.Phil Programme in 'Gandhian Thought and Peace Science' and a Course on 'Gandhian Thought' for all Undergraduate Programmes.

The full-fledged Department of Gandhian Thought and Peace Science was established during the academic year 1993-94. The Department launched a three year Undergraduate Programme namely B.A. 'Rural Reconstruction' since 1996-97 till 2005-06 and this Programme was restructured and introduced as B.A. 'Gandhian Social Work' from 2006-07 onwards. A Post Graduate Programme, M.A. 'Human Resource and Conflict Management' was started during the year 2003-04. M.A 'Gandhian Studies and Peace Science' Programme was introduced during the Academic year 2018-19. Now the Department has been offering the above said Post Graduate Programme along with two credit Foundation Course on 'Gandhi's Life, Thought and Work', to all U.G. Programmes and two credit Audit Course on 'Gandhi in Everyday Life' to all PG Programmes, four Credit Inter Department Elective Course on 'Conflict Management' to all PG Programmes and One Credit Foundation Course on Shanti Sena is Mandatory for all UG Students during the Academic year 2018-2019 onwards.

This is the only Department which offers two year full time PG Programme in Gandhian Studies and Peace Science in the whole of South India.



#### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme                              | Year of Introduction |
|-------|--|----------------------|
| 1     | Ph.D.                                  |                      |
| 2     | M.A Gandhian Studies and Peace Science | 2018                 |

#### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty   | Designation          |
|-------|-----------------------|----------------------|
| 1     | Dr.M.William Baskaran | Professor            |
| 2     | Dr.M.Mallammal        | Professor            |
| 3     | Dr.R.Mani             | Professor & Director |
| 4     | Dr.T.Ravichandran     | Asst. Professor      |

## THRUST AREAS OF RESEARCH

- i. Gandhian Thought
- ii. Peace Science
- iii. Conflict Management
- iv. Yoga
- v. Interfaith Relations
- vi. Rural Reconstruction

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

### Dr.M.William Baskaran & Dr.M.Mallammal

1. Organized an University level Seminar in view of 150<sup>th</sup> Gandhi Jayanthi Celebrations on Nurturing Nonviolent Values and Behaviours among School Children, funded by Gandhigram Rural Institute Deemed to be University from 23<sup>rd</sup> October 2019.

### Dr.M.Mallammal

1. Organized a Seminar in association with Dept. of Tamil on Celebrations of Martyr's Day - Gandhi's assassination as recorded in Newspapers, funded by Gandhigram Rural Institute Deemed to be University from 30<sup>th</sup> January 2020.

### Dr.M.Mallammal & Dr.R.Mani

1. Organized a University level Seminar in view of 150<sup>th</sup> Gandhi Jayanthi Celebrations on Nurturing "Fostering Nonviolent Concepts and Skills in the Shanti Sainiks", funded by MPA- Gandhigram Rural Institute from 6<sup>th</sup> March 2020.

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

### Dr.M.William Baskaran

1. Presented a paper titled "Enhancing Inter-Personal Relations" at the State level Seminar on Nonviolence for Peace and Prosperous Living organized by Valliammal Institution, Madurai at CESC, Majagram Kadavur, Madurai during 11<sup>th</sup> July 2019.
2. Presented a paper titled "Peace: Peace is the Way" at the University level Seminar on International Day of Peace organized by Department of International Business, Alagappa University during 23<sup>rd</sup> September 2019.
3. Delivered a talk "Valedictory address" at the National Seminar on Mahatma Gandhi and Tamil Literature organized by Sahitya Akademi and Department of Tamil, Gandhigram Rural Institute, Gandhigram during 27<sup>th</sup> September 2019.
4. Presented a paper at the National Seminar on Rediscovery of the Life and Thoughts of Mahatma Gandhi organized by Sadakathullah Appa College, Palayamkottai during 10<sup>th</sup> October 2019.
5. Presented a paper titled "Nonviolent Values and their Relevance" at the University level Seminar on Nurturing Nonviolent Values and Behaviours among School Students organized by School Teachers at Primary and Middle School Teachers at GRI during 23<sup>rd</sup> October 2019.
6. Presented a paper titled "Panellist" of the Panel Discussion on Building Peace and Harmony in Diverse Culture - A Gandhian Approach at the National Seminar on Theme Pavilion New Delhi World Book Fair, Pragati Maidan New Delhi organized by National Book Trust of India, New Delhi, during 10<sup>th</sup> January 2020.
7. Delivered Inaugural Address at the University level National Seminar on Role of Community in Water Conservation - A milestone Towards Sustainable Development organized by Centre for Future Studies, GRI - DTBU during 06-07 February 2020.

### Dr.M.Mallammal

1. Delivered a special lecture on "Understanding Gandhi - Need of the hour" at the University level Orientation Programme on Relevance of Gandhian Thought organized by Malankara Catholic College, Kalliakkavilai, Kanyakumari District during 2<sup>nd</sup> February 2020.
2. Delivered a special lecture on "Relevance of Gandhi his Constructive Programmes" at the University level Orientation Programme on Relevance of Gandhian Thought organized by Malankara Catholic College, Kalliakkavilai, Kanyakumari District during 2<sup>nd</sup> February 2020.

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### **Dr.R.Mani**

1. Presented a paper titled "Gandhian approach to Rural Development" at the University level Workshop on Regional Planning Workshop on Unnat Bharat Abhiyan organized by Regional Co-ordinator, Unnat Bharat Abhiyan, GRI-DU, Gandhigram during 26<sup>th</sup> July 2019.
2. Presented a paper titled "Ashrams set up by Gandhiji" at the State level Seminar on Gandhiji's Life and Thoughts as part of Mahatma Gandhi's 150<sup>th</sup> birth anniversary celebrations organized by Honble His Excellency the Governor of Tamil Nadu, Shri. Banwarilal Purohit, Durbar Hall, Raj Bhavan, Chennai during 27<sup>th</sup> September 2019.
3. Delivered a talk on "Gandhi as Women Liberator Served and delivered Valedictory address on Relevance of Gandhi Today" at the International Conference on Relevance Gandhi and Women Empowerment organized by Research Centre of History, Jayaraj Annpackiam college for Women, Periyakulam during 3<sup>rd</sup> December 2019.
4. Delivered a Valedictory address on "Relevance of Gandhi Today" at the International Conference on Relevance Gandhi and Women Empowerment organized by Research Centre of History, Jayaraj Annpackiam college for Women, Periyakulam during 3<sup>rd</sup> December 2019.
5. Resource person in the Discussion on "Achieving sustainable Rural Development" at the University Round table Conference on Role of Unnat Bharat Abhiyan in achieving sustainable Development goals in Tamil Nadu with Social solidarity economy organized by Prof. Dr.K.Ravichandran, Regional Co-ordinator, Unnat Bharat Abhiyan, GRI-DU, Gandhigram during 5<sup>th</sup> February 2020.
6. Presented a paper titled "Gandhiji's Contribution towards Rural Reconstruction" at the University level Workshop on Unnath Bharath Abhiyan for the participating Institutions Gandhigram organized by Prof. Dr.K.Ravichandran, Regional Co-ordinator, Unnat Bharat Abhiyan, GRI-DU, Gandhigram during 6<sup>th</sup> February 2020.
7. Delivered a talk on "Role of Community in water conservation - Towards sustainable development programme - A study from Himachal Pradesh" at the National Seminar on Progressive shift in livelihood approach in watershed development programme organized by Prof.Dr.K.Velumani, Seminar Director, GRI-DU, Gandhigram during 6<sup>th</sup> to 7<sup>th</sup> February 2020.

### **Dr.T.Ravichandran**

1. Presented a paper titled "Turning point in Gandhi's Life" at the State level Seminar on Gandhiji's Life and Thoughts as part of Mahatma Gandhi's 150<sup>th</sup> birth anniversary celebrations organized by Honble His Excellency the Governor of Tamil Nadu, Shri. Banwarilal Purohit at the Durbar Hall, Raj Bhavan, Chennai during 27<sup>th</sup> September 2019.
2. Delivered a talk on "Mahatma Gandhi's Non-violent Influence on the Global Leaders" at the National workshop on Gandhian Philosophy and its Relevance Today organized by Sri Meenakshi Government Arts College for Women, Madurai, during 23<sup>rd</sup> January 2020.
3. Delivered a Lecture on "Stress Management Techniques for Health - Gandhian Methods" at the Refresher course on Training for the staff of Co-operative Department organized by Jt.Registrar, Co-operative Societies, Sivagangai, during 28<sup>th</sup> February 2020.
4. Delivered a Lecture on "Evolution of Shanti Sena - Concept and Experiments" and "Genesis and Development of Shanti Sena- Post Gandhian Efforts" at the University seminar on Fostering Nonviolent Concepts and Skills in the Shanti Sainiks organized by Centre for Gandhian Studies and Shanti Sena, GRI during 6<sup>th</sup> March 2020.

### **PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Refereed Journals as notified by UGC):**

#### **Dr.R.Mani**

1. "The process of young becoming a Potential offender and the borstal System reforming the potential Offender in Tamilnadu" in International Journal of Research and Analytical Reviews (IJRAR) (International E-2348-1269, P-2349-5138); Vol. 6(2), pp.342-350, April 2019.
2. "Encountering the Origin and Development of Criminal Behaviour of a Young Offender" in Journal of Emerging Technologies and Innovative Research (International- 2349-5162); Vol. 6(6), pp.967-979, June 2019



3. Faculty visited Vellampatti Village, Dindigul as a course based field visit based on Field Work - Studies about Educational Status, Conflicts Prevailing, Sanitary and health conditions on 08.01.2020.
4. Faculty visited Konur Village, Dindigul as a course based field visit based on Field Work - Studies about Educational Status, Conflicts Prevailing, Sanitary and health conditions on 28.01.2020.
5. Faculty visited Chettiyapatti Village, Dindigul as a course based field visit based on Field Work - Studies about Educational Status, Conflicts Prevailing, Sanitary and health conditions on 04.02.2020.
6. Faculty visited N.Panchampatti Village, Dindigul as a course based field visit based on Field Work - Studies about Educational Status, Conflicts Prevailing, Sanitary and health conditions on 18.02.2020.
7. Faculty visited N.Pattathunayakkanpatti Village, Dindigul as a course based field visit based on Field Work - Studies about Educational Status, Conflicts Prevailing, Sanitary and health conditions on 25.02.2020.
8. Faculty visited N.Pattathunayakkanpatti Village, Dindigul as a course based field visit based on Field Work - Studies about Educational Status, Conflicts Prevailing, Sanitary and health conditions on 03.03.2020.

#### Dr.R.Mani

1. Gram Sabha Meeting was organized at Chettiyapatti on 26.01.2020 to understand the importance of Gram Sabha meeting and related activities at Panchayat level. 25 Shanti Sena Volunteers attended the Gram Sabha meeting at Chettiyapatti village on 26.01.2020. They also made preliminary arrangements to start Dharun Shanti Sena (Youth Shanti Sena) at the village. Dr.K.Manikandan, Assistant Professor, Department of Economics, Dr.S.Kavitha Mythili, Assistant Professor, Department of Home Science and Associate Organizers of Shanti Sena Co-ordinated the programme. Dr.R.Mani organized this programme.
2. In view of 150<sup>th</sup> Gandhi Jayanthi Celebrations Shanti Sena conducted Essay Competition to the Shanti Sainiks on "Relevance of Gandhian Ideas in Today's Context" on 27.01.2020. Dr.S.Kavitha Mythili, Assistant Professor, Department of Home Science, Dr.P.S.Sreedevi, Assistant Professor, Department of Education and Associate Organizers of Shanti Sena, Co-ordinated the programme. Dr.R.Mani organized this programme.
3. Carried out NLM work in the Davanagere District, Karnataka from 24.02.2020 to 03.03.2020.
4. National Level Monitor for Monitoring of Rural Development Programme, Davanagere District, Karnataka during 24.02.2020 to 03.03.2020 for the Awareness building on Rural Development Programmes.

#### Dr.T.Ravichandran

1. Village Placement Programme was organized at Kalikkampatti village, delivered a Lecture on Yoga for Holistic Health on 18.09.2019.

#### VISITORS TO THE DEPARTMENT

| Name of the Visitor                        | Designation and Affiliation  | Purpose                                | Month and Year of Visit |
|--|--|--|-------------------------|
| Dr.S.Kulandaisamy                          | Director, Gandhi Peace Foundation, Chennai.  | Seminar                                | October, 2019           |
| Mr.D.Bojaraj                               | Consultant, Counsellor and Psychotherapist, Madurai.   | Seminar                                | October, 2019           |
| Dr.Biswajit                                | National Convener, Rashtriya Yuva Sangathas, Gandhi Bhawan, Cuttack, Odisha - 753002.        | Official                               | January, 2020           |
| Kadarkarai Matha Vilasa Angatham           | Journalist & Writer, Chennai   | Seminar                                | January, 2020           |
| Dr.N.Radhakrishnan                         | Chairman, Kerala Gandhi Smarak Nidhi, Marappalam, Pattom Palace Post, Thiruvananthapuram - 4 | Seminar                                | March, 2020             |
| Dr.N.Markandan                             | Former Vice-Chancellor, GRI-DU, Gandhigram.  | Seminar                                | March, 2020             |
| Prabin K.Rajendran, Sr.Jomma & Fr.Tonysamy | Faculty members, Malankara Catholic College, Mariagiri, Kalikavilai, Kanyakumari Dist.       | Orientation Programme for MSW students | March, 2020             |

## Department of Gandhian Studies and Sociology

### Centre for Studies in Sociology

#### PROFILE

Establishment of the Department coincided with the conferment of the Deemed to be a University status to the Institute in the year 1976 and carrying out Teaching, Research and Extension activities since its inception. Earlier the faculty of this department engaged in offering the only PG course with a thrust on Rural Society in the Institute namely M.A in Rural Services in which Sociology was the Major Component. The nomenclature of this PG course was replaced with M.A in RS & PR (Rural Sociology and Panchayat Raj). Later the same M.A course was changed as Rural Sociology and finally taking into consideration of the felt needs and future of the students, the PG course was modified and re-named as M.A in Sociology in the year 1990. M.A. (5Yr. Int.) Sociology programme is introduced during the academic year 2017-18 in the place of M.A.Sociology programme.

The Ph.D. programme was launched in the year 1986 and produced 30 Ph.D. Scholars so far. The M.Phil. Programme in Development Sociology was introduced in the year 1996 with an inter-disciplinary thrust and produced more than 100 M.Phil. Scholars and majority subsequently pursued Ph.D. programme also.

The Department has organized many Seminars, Symposia and Workshops focusing on marginalized communities and also conducted training programmes for the benefit of NGOs, Government organizations and Community Based Organizations (CBOs) in villages with funding support from UGC, ICSSR, MHRD, UNICEF and NFCH etc. As for extension programmes, the PG students have been involved in various kinds of rural reconstruction activities in the service villages of GRI, by adopting the approach of Micro level Planning (MLP) and assignment of five families to each student to show result oriented extension services during the semester period for which students are to submit the report on extension services at the end of each semester. In addition, sensitization and awareness generation programmes with specific reference to social welfare are taken under the scheme of taking the University to the door steps of the villages by adopting the strategy of reaching the unreached. The extension based development intervention has been undertaken within the broad framework of Millennium Development Goals (MDGs) and Providing Urban Amenities in Rural Areas (PURA) and Unnath Bharat Abhiyan (UBA). This exercise is undertaken to link the class room theoretical deliberations with practical field based learning for the students. The social lab/observatory technique adopted in the extension service has made the students to get involved practically in action research based micro level development planning oriented village development endeavors.



The department has also facilitated the establishment of the Centre for the Study of Social Exclusion and Inclusive Policy in GRI with funding support from UGC in the year 2010 during X plan period, initially at a cost of Rs.2 crores and later continued with increased financial support for pursuing inclusive growth through investigations, advocacies, seminars besides teaching, research, extension activities.

#### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme                     | Year of Introduction |
|-------|-------------------------------|----------------------|
| 1     | Ph.D.                         | 1986                 |
| 2     | M.Phil. Development Sociology | 1996                 |
| 3     | M.A.(5yr. Int.) Sociology     | 2017                 |

#### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty | Designation         |
|-------|---------------------|---------------------|
| 1.    | Dr.R.Kumaran        | Assistant Professor |

#### THRUST AREAS OF RESEARCH

- ❖ Gender Studies
- ❖ Promotion of Weaker Sections
- ❖ Media and Culture
- ❖ Child Marriage and Child Labour Prevention
- ❖ Welfare of Street Children
- ❖ Rural Social Development
- ❖ Social Gerontology
- ❖ Sociology of Marginalized Communities
- ❖ Rural Youth Development
- ❖ Social Dimensions of Development
- ❖ Development and Resettlement
- ❖ Rural Poverty Studies and Database
- ❖ Advocacy for Sustainable Development

#### CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

##### Dr. R. Kumaran

1. Participated in a Two-day International Conference on "Liberalization, Privatization, Globalization: Three Decades of Experience in India" organized by Dept. of Economics, GRI, GRI during 14-15 February 2020.
2. Presented a paper titled "Changing Profile of Rural Labour in India" in a National Symposium on "Social Issues in Indian Villages" organized by Dept. of Sociology, Periyar University, Salem, during 31 January 2020.
3. Presented a paper titled "The Pleasure and Pressure of Living under one Roof in COVID-19: Few Observations on Adolescents and the Aged" in a National Seminar on "The Social Ramifications on Covid -19 on Indian Families" organized by Bharathiyar University, Coimbatore, during 27 May 2020.
4. Presented a paper titled "Putting Theory First: The Use and Deployment of Theory of Social Science Research" in a National Webinar Series- II on "Recent Development in Social Science Research" organized by Dept. of Sociology and Population Studies, Bharathiyar University, Coimbatore during 23 June 2020.
5. Presented a paper titled "Post-Modernism and Social Theory" in a Contemporary Sociological Theory on "Training programme for Research Scholars in Sociology" organized by Mahatma Gandhi University, Kottayam during 16 June 2020.
6. Presented a paper titled "Understanding Globalization and its Dimensions" in a Refresher Course on "Refresher Course in Social Sciences" organized by HRDC, Bharathiyar University, Coimbatore during 13 Feb 2020.

- Presented a paper titled "Declining Sociality in Digitised Society" in a Refresher Course on "Refresher Course in Social Sciences" organized by HRDC, Bharathiyar University, Coimbatore during 13 Feb 2020.
- Presented a paper titled "OBE – Issues and Components" in a Faculty Level Seminar on "Preparing Syllabus on OBE" organized by Dept. of Sociology, Periyar University, Salem during 31 July 2019.

## PUBLICATIONS

### BOOKS PUBLISHED

#### Dr.R. Kumaran

- Published a book on "Engaging With Development" in Notion Press, New Delhi (ISBN / ISSN: 13-978-1648286742); 23<sup>rd</sup> February 2020
- Published a book on "Brown Faces Go White: Essays on Popular Culture of Tamil" in Notion Press, New Delhi (ISBN / ISSN: 13-978-1648285971); 20<sup>th</sup> February 2020
- Published a book on "Rear viewing Social Research: Daring Conceptions" in Notion Press, New Delhi (ISBN / ISSN: 13-978-1648284359); 16<sup>th</sup> February 2020
- Published a book on "Marginalisation and Poverty: Retold as Life Stories" in Notion Press, New Delhi (ISBN / ISSN: 13-978-1648282669); 9<sup>th</sup> February 2020

### TALKS DELIVERED

#### Dr.R.Kumaran

- Delivered a talk on UGC-NET Coaching Classes for Sociology Students/Scholars at Dept. of Sociology, Periyar University, Salem in 16<sup>th</sup> March 2020.

### EXTENSION ACTIVITIES

- Village Placement Programme was organized at Oothupatti, Kamalapuram, Mettur, Alagampatti, Sakainayakanur, Mickelpalayam Munilakottai, Kottaipatti, A.Vellodu, Thoppampatti, Jathigoundanpatti, and Erangampatti at every Wednesday.

### VISITORS TO THE DEPARTMENT

| Name of the Visitor      | Designation and Affiliation  | Purpose  | Month and Year of Visit |
|--------------------------|--|--|-------------------------|
| Mrs. Andresia Michaeline | Corporate Trainer/ Student Counsellor/ Soft skill trainer              | Capacity Building Programme on 'Enhancing Self Confidence'   | Feb.2020                |
| Mr.K.P. Marikumar        | Director, Spark Academy & Founder                                      | Capacity Building Programme on 'we are human Beings: A Gentle Reminder!'   | Feb 2020                |
| Mr.N. Karthikeyan        | Founder - Director NANNNEER organization for promoting Water Literacy. | Capacity Building Programme 'Social Responsibility towards Water As Social Good:   | Feb 2020                |
| Mr.V. Pandiraja, I.R.S., | Joint Commissioner, CGST   | Capacity Building Programme 'Competing Successfully in Competitive Exams with Sociology as Elective: Sociology: An Impetus to Life and Career' | Mar 2020                |
| Ms. Elamathi             | Women Entrepreneur   | Capacity Building Programme 'Working with Women Entrepreneurs – Changing and Challenging Social Context for Women Entrepreneurs'               | Mar 2020                |
| Ms. Nalini Jameela       | Writer   | Capacity Building Programme 'Working with Trans genders and Prostitutes:   | Mar 2020                |

## Department of Gandhian Studies and Sociology

### Centre for Women's Studies

#### PROFILE

The Centre for Women's Studies was established on 25<sup>th</sup> September, 2009. Recognizing its contribution in the development of women, the University Grants Commission has established a women's studies centre at GRI. Centre for women's studies examine women's contributions to human societies as well as the effect of culture and society on women's lives. The discipline focuses on the conditions of women's lives, both in India and around the world, as well as the historical and theoretical explanations for these conditions. Centre for women's studies also considers contemporary issues and trends that uniquely affect women and explore how the intersections of gender with factors such as race, social class, and sexuality can influence women's lives. The centre organized various awareness programmes, seminars and conferences apart from teaching, research and extension activities. All the activities are aimed at gender mainstreaming and elimination of gender bias in our society.



#### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme | Year of Introduction |
|-------|-----------|----------------------|
| 1.    | Ph. D     | 2010                 |
| 2.    | M.Phil    | 2011                 |

#### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty | Designation                    |
|-------|---------------------|--------------------------------|
| 1.    | S. Genani           | Assistant Professor (Tenurial) |

#### THRUST AREAS OF RESEARCH

- ❖ Women and Health
- ❖ Gender and Development
- ❖ Women and Law
- ❖ Feminism
- ❖ Women and Child Development

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## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

### S. Genani

1. Organised a National Workshop on "Issues on Gender Based Violence (GBV)-Prevention, Response and Rehabilitation" through Unassigned grant from 5<sup>th</sup> March 2020 to 6<sup>th</sup> March 2020

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

### S. Genani

1. Participated in the National Workshop on "Research Methodology Inclusion of Labour in Rural India" organized by Centre for Study of Social Exclusion and Inclusive Policy, GRI & V. V. Giri National Labour Institute, NOIDA, UP from 06 - 10 January 2020.
2. Participated in the National level Online Training of Trainers Programme on "Gender and Social Security" organized by V. V. Giri National Labour Institute, Noida from 08-12, June 2020.
3. Participated in the National level Online Training Program on "Laws Related to Equality and Empowerment of Women" organized by V. V. Giri National Labour Institute, Noida from 15-19, June 2020.

## EXTENSION ACTIVITIES

### S. Genani

1. Menstrual Hygiene programme for M.A Students has been carried out at GRI on 28 January 2020.
2. Gender Sensitization programme for Employee has been carried out at TVS Group Company, Dindigul on 20 December 2019.
3. "International Human Rights Day" has been carried out at Hayagriva College on 10 December 2019.
4. "International Human Rights Day" has been carried out at GRI on 10 December 2019.
5. "Cancer Awareness programme for School teacher" has been carried out for Teachers of Equitas Hr. Secondary School on 09 December 2019.
6. "Personal hygiene programme for boys students" has been carried out for boys students of Equitas Hr.Sec.School, Dindigul on 09 December 2019.
7. "Personal hygiene and Premenstrual and Menstrual hygiene programme for IX, X students" has been carried out for Girls Students of Equitas Hr. Secondary School on 07 December 2019.
8. "Personal hygiene and First Premenstrual and Menstrual hygiene programme for V to VII students" has been carried out for Girls Students of Equitas Hr. Secondary School on 07 December 2019.
9. "National Integration Day programme for students of M.A and M.A (DA)" has been carried out for GRI students on 23 October 2019
10. Gender Sensitization programme for students in VPP camp has been carried out at Thoppampatti on 20 September 2019.
11. Personal Hygiene awareness for school children has been carried out for students of Primary school Thoppampatti on 20 September 2019.
12. Gender Sensitization programme for Agriculture students has been carried out for GRI students on 27 August 2019
13. Gender Sensitization programme on Gender issues and legal provision for students of B.Sc Home Science and Sociology has been carried out in the Seminar Hall, Department of Sociology, GRI on 21 August 2019.
14. Gender Sensitization programme on Gender and Culture has been carried out for students of Mathematics at Tagore block on 14 August 2019
15. Gender Sensitization programme on Gender Issues and legal provision for students of Gandhian Thought, GRI has been carried out on 09 August 2019
16. Gender Sensitization programme on Sexual Harassment Act at Workplace for students of Sociology Department (II year), GRI on 07 August 2019
17. Gender Sensitization programme on Sexual Harassment Act at Workplace for students of Textiles and sociology Department, GRI on 07 August 2019
18. Gender Sensitization programme on Sexual Harassment Act at Workplace for students of Cooperation Department, GRI on 07 August 2019.

**VISITORS TO THE DEPARTMENT**

| Name of the Visitor           | Designation and Affiliation   | Purpose   | Month and Year of Visit |
|-------------------------------|---|---|-------------------------|
| Dr. M. Antony Stephen         | Assistant Professor and Head, Dept. of Social Entrepreneurship, Madras School of Social Work, Chennai | To deliver lecture in National Workshop organized by the centre             | March, 2020             |
| Dr. Suganda Ramamoothi,       | Associate Professor Department of Economics, Lady Dok College, Madurai                                | To deliver lecture in National Workshop organized by the centre             | March, 2020             |
| Dr. S. Amirthalingam          | Associate Prof. Tamilnadu National Law University, Tiruchirappalli                                    | To deliver lecture in National Workshop organized by the centre             | March, 2020             |
| Dr. A. Anji                   | Managing Director Sathiyam Social Service Organization, Mandalavadi Thiupatur District                | To deliver lecture in National Workshop organized by the centre             | March, 2020             |
| Justice. V. Kanagaraj (Retd.) | Senior Advocate, Supreme Court of India, Delhi  | To deliver Inaugural Address in National Workshop organized by the centre   | March, 2020             |
| Dr. C. Venkatachalam          | Prof. & Former Head Dept. Of Sociology Periyar University Salem                                       | To deliver Valedictory address in National Workshop organized by the centre | March, 2020             |
| Dr. M. Murugeswari            | Professor Dpt. Of Women's Studies, Bharathidasan University, Tiruchirappalli                          | To deliver lecture in National Workshop organized by the centre             | March, 2020             |
| Dr. S. Amirthalingam          | Associate Prof. Tamilnadu National Law University, Tiruchirappalli                                    | To deliver lecture in National Workshop organized by the centre             | March, 2020             |



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## Department of Gandhian Studies and Sociology

### Centre for Futures Studies

#### PROFILE

The UGC sponsored Centre for Futures Studies was established in our institute under the 7<sup>th</sup> plan period during 1989 to promote research in multi-disciplinary areas relevant to Rural Development. The vision of the centre is to forge a holistic rural society and the mission includes developing micro level planners through research. The centre offers M.Phil. / Ph.D. programmes and undertaken research projects in the field of Futures Studies, Sociology, Women Studies, Agriculture, Ethno Botany, Tribal Studies and Environmental Studies. The Centre is also offering P.G. Diploma in Sustainable Social Development from the academic year 2019 to understand the basic concepts of Sustainable Development in environmental, social and economic dimensions. So far, 35 M.Phil candidates and 18 Ph.D candidates successfully completed their degree. The Centre has carried out three sponsored research projects and has organized three national seminars. A total of 7 books, 34 articles in the journal and 59 articles in the conference proceedings were published.



#### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme                                      | Year of Introduction |
|-------|--|----------------------|
| 1.    | Ph.D.  | 1990                 |
| 2.    | M.Phil.  | 1989                 |
| 3.    | P.G. Diploma in Sustainable Social Development | 2019                 |

#### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty | Designation |
|-------|---------------------|-------------|
| 1.    | Dr. K. Velumani     | Director    |

*L. A. [Signature]*

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## THRUST AREAS OF RESEARCH

- i. Futurology
- ii. Environmental Studies
- iii. Ethno Botany
- iv. Agricultural Economics
- v. Human Resource Management
- vi. Sociology
- vii. Women's Studies

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

### Dr. K. Velumani

1. Organized a National Seminar on Role of Community in Water Conservation – A milestone towards sustainable Development, funded by GRI from 6.2.2020 to 7.2.2020.

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

### Dr. K. Velumani

1. Participated a National Webinar on “இலக்கிய உலக சொற்பொழிவு” organized by GRI on 25 May 2020.
2. Participated a National Webinar on “Stress Management during Covid -19” organized by Dynanand Arya Kenya Maha Vidyalaya on 4 June 2020.
3. Participated a National Webinar on “Exploring Gandhiji's life and work - A new initiation” organized by DKM College for Women on 10 June 2020.
4. Participated a National Webinar on Comprehensive description on hazardous to food” organized by Holy cross Home Science College on 11 June 2020.
5. Participated a National Webinar on “Gender Dimensions of Covid-19” organized by Barkatullah University on 12 June 2020.
6. Participated a National Webinar on “Is there a need for new health legislation in Post Covid 19 scenario in India” organized by B.L. Amlani College of Commerce and Economics on 14 June 2020.
7. Participated a National Webinar on “Online Faculty Development Programme” organized by GRI Gandhigram on 18-19 June 2020.
8. Participated a National Webinar on “Self Reliant Women – Challenges and Opportunities” organized by Rani Durgavathi University on 19 June 2020.
9. Participated a National Webinar on “Yoga for Holistic Health” organized by Sri Meenakshi government Arts College for Women on 22 June 2020.
10. Participated a National Webinar on “Impact of Covid -19 pandemic on Women in India” organized by Sri. Narayana Trust College, Shoranur Kerela on 22 June 2020
11. Participated a National Webinar on “Importance of AQAR in the NAAC process” organized by Thiyagarja School of Management on 23 June 2020.
12. Participated a National Webinar on “National Webinar on Missing Girls: Implementation of the Law and way forward” organized by Centre for Women Studies University of Hyderabad on 26 June 2020.
13. Participated an International Webinar on “Impact of Covid -19 on Human Resources in Higher Education” organized by GRI, Gandhigram on 24-25 June 2020.
14. Participated an International Webinar on “Gender Issues in Covid – 19” organized by Bharathiar University – Coimbatore on 25-27 June 2020.

## BOOKS PUBLISHED

### Dr. K. Velumani

1. Fungi: A Novel Source for the Biologically active secondary Metabolites, Cambridge Scholars Publishing, United Kingdom (International), 2019.

  
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## EXTENSION ACTIVITIES

1. Field Visit Programme was organized at Samiyarpatti from August to November 2019
2. Field Visit Programme was organized at Energy Park on 09 August 2019
3. Field Visit Programme was organized at Gandhigram Trust, Gandhigram on 20 August 2019
4. Field Visit Programme was organized at Anna Nagar on 26 August 2019
5. Field Visit Programme was organized at Energy Park on 06 September 2019
6. Field Visit Programme was organized at Trekking to Sirumalai on 07 September 2019
7. Field Visit Programme was organized at Energy Park on 11 September 2019
8. Field Visit Programme was organized at Energy Park on 17 September 2019
9. Field Visit Programme was organized at Thoothukudi Port on 20 September 2019
10. Field Visit Programme was organized at Celone colony on 30 September 2019
11. Field Visit Programme was organized at Kodaikanal on 02 October 2019
12. Field Visit Programme was organized at Chettiapatti on 22 October 2019
13. Field Visit Programme was organized at Energy Park on 08 January 2020
14. Field Visit Programme was organized at Kodaikanal on 24 January 2020
15. Field Visit Programme was organized at GRI on 20 February 2020
16. Field Visit Programme was organized at Avainayapuram Madurai on 28 February 2020
17. Field Visit Programme was organized at Kumbakarai Waterfalls on 10 March 2020

## VISITORS TO THE DEPARTMENT

| Name of the Visitor  | Designation and Affiliation   | Purpose  | Month and Year of Visit |
|--|---|--|-------------------------|
| Dr. K. Madhava Chandran<br>Senior Principal Scientist and Head,<br>Water Management (Agriculture)<br>Division, CWRDM, Kozhikode,<br>Kerala, India  | Senior Principal Scientist<br>and Head (Retd.), Water<br>Management (Agriculture)<br>Division | National Seminar -<br>Delivered Talk and<br>Discussion about Water<br>Management | February 2020           |
| Dr.C. Venkatachalam<br>Professor and Head<br>Department of Sociology,<br>Periyar University, Salem,<br>Tamil Nadu. - 60 63 11<br>cvenkat66@yahoo.com   | Professor and Head  | National Seminar -<br>Delivered Talk   | February 2020           |
| Dr. R. Mohanraj<br>Professor and Head<br>Department of Environmental<br>Science and Management<br>Bharathidasan University,<br>Tiruchirappalli - 620024, India<br>Phone: +91431 2407072 (Extn: 640)<br>Mobile +919487158054.<br>Email: mohan.bdu@gmail.com<br>Work: <a href="mailto:mohan@bdu.ac.in">mohan@bdu.ac.in</a> | Professor and Head  | National Seminar -<br>Delivered Talk   | February 2020           |
| Dr. K. Pradeep Kumar<br>Associate Professor<br>Shivaji University Kolhapur<br>Vidya Nagar, Kolhapur<br>Maharashtra 416004  | Associate Professor   | National Seminar -<br>Delivered Talk   | February 2020           |
| Dr. G.V. Gopinath<br>Assistant Professor<br>Department of Zoology<br>APSA College<br>Thiruppathur-630 211  | Assistant Professor   | National Seminar -<br>Delivered Talk   | February 2020           |

  
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## Department of Gandhian Studies and Sociology

### Centre for Study of Social Exclusion and Inclusive Policy

#### PROFILE

The Centre for Study of Social Exclusion and Inclusive Policy (CSSEIP), Gandhigram Rural Institute (GRI)-Deemed University was established in 2008 by UGC. It started to function in June 2010 as per UGC guidelines. Since its inception, the centre is marching towards achieving the goal of a more inclusive and just society through teaching, research, extension and networking with the third sectors. So far, the centre has conceptualized and understood the process, nature and forms of exclusion and has identified the excluded communities such as Dalits, Adivasis, Women, children, minorities, ageing population and Transgender etc. located in the vicinity of GRI. Currently, the centre is engaged in identifying the unmet need of policies, the challenges and prospects of inclusive policies.



#### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme | Year of Introduction |
|-------|-----------|----------------------|
| 1.    | Ph. D     | 2012                 |

#### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty | Designation                                |
|-------|---------------------|--|
| 1.    | Dr.A.Mani           | Assistant Professor cum Assistant Director |
| 2.    | Dr.Anjuli Chandra   | Assistant Professor cum Assistant Director |

#### THRUST AREAS OF RESEARCH

- i. Sexual Minorities
- ii. Population Ageing
- iii. Education and Health
- iv. Human Rights Violation
- v. Gender Discrimination

A handwritten signature in black ink, appearing to be "L. Anjuli Chandra", written over a horizontal line.

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## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

### Dr.A.Mani

1. Organized an one day workshop on Goal Setting and Time Management, funded by HEPSN, GRI, Gandhigram on 17 December 2019.
2. Organized a workshop on Research Methodology Course on Inclusion of Labour in Rural India, funded by V.V.GIRI National Institute of Labour Studies, NOIDA during 06 - 10 January 2020.

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

### Dr.A.Mani

1. Participated in a National Workshop on “Issues on Gender Based Violence (GBV)-Prevention, Response and Rehabilitation” organized by Centre for Women’s Studies, GRI, Gandhigram during 05-06 March 2020.
2. Participated in a National level training programme on “Online Training of Trainers Programme on Gender and Social Security” organized by V.V.Giri National Labour Institute, NOIDA, New Delhi during 08-12 June 2020.
3. Participated a National level webinar on “Psychological and Behavioral Response in Family and Ecological Sanitation – A Sociological Insight” organized by S.T.Hindu College, Nagercoil on 25 June 2020.

### Dr. Anjulichandra

1. Participated a webinar on “Virtual Teaching Aid” organized by Dept. of Sociology, Queen Mary’s College, Chennai and Centre for Social Initiative and Mangement on 06 June 2020.
2. Participated an international webinar on “MGNREGA in the Times of Covid-19” organized by Banaras Hindu University , Varanasi and Human Empowerment and Research Society, Varanasi on 07<sup>th</sup> June 2020.
3. Participated a webinar on “Academic Publishing and Enhancing Research Effectiveness” organized by Dr.Zakir Husain Library, Jamia Millia Islamia, New Delhi on 11<sup>th</sup> June 2020.
4. Participated in a training programme on “Gender Based Social Security: A Myth or Reality” organized by V.V.Giri National Labour Institute, NOIDA, New Delhi on 11<sup>th</sup> June 2020
5. Participated in a training programme on “Legal Provisions for Women Empowerment in India: A Long Way to Go on” organized by V.V.Giri National Labour Institute, NOIDA, New Delhi on 17<sup>th</sup> June, 2020
6. Participated a webinar on “Particularly Vulnerable Tribal Groups (PVTGs): Intangible Cultural Heritage and Sustainable Development” organized by JanapadaSampada Division of Indira Gandhi National Centre for Arts, Ministry of Culture, Govt. of India, New Delhion 18<sup>th</sup> June 2020.
7. Participated a webinar on “Psychological and Behavioral Response in Family and Ecological Sanitation – A Sociological Insight” organized by S.T.Hindu College, Nagercoil on 25<sup>th</sup> June 2020.
8. Participated in a training programme on “Online Training of Trainers Programme on Gender and Social Security organized by V.V.Giri National Labour Institute, NOIDA, New Delhi during 08<sup>th</sup> to 12<sup>th</sup> June 2020.

## PUBLICATIONS

### BOOKS PUBLISHED

#### Dr.A.Mani

1. Published a book on “Social Exclusion of Transgender in India” in Classical Publishing Company, New Delhi, pp, 187; (ISBN:978-817054-749-5); 2019.

### CHAPTERS PUBLISHED

#### Dr.Anjulichandra

1. Written three units for B.Sc. (Honours) in Anthropology, IGNOU, New Delhi, 2020.

## EXTENSION ACTIVITIES

### Dr.A.Mani

1. Field action was organized at A. Vellodu, Dindigul on 28.11.2019
2. Field action was organized at Sri Hayagreeva Arts and Science College, Dindigul on 10.12.2019

## VISITORS TO THE DEPARTMENT

| Name of the Visitor  | Designation and Affiliation  | Purpose   | Date of Visit      |
|----------------------|--|---|--------------------|
| Mrs. Ramani Matthew, | Advocate and Social Activist, Dindigul.                                | To deliver lecture in the sensitization programme organized by CSSEIP on 'Observing International Day for Elimination of violence against women'  | 28.11.2019         |
| Dr. S. Amirthalingam | Associate Prof. Tamilnadu National Law University, Tiruchirappalli     | To deliver lecture in the sensitization programme organized by CSSEIP on <i>Observing International Human Rights Day</i>  | 10.12.2019         |
| Dr. Shashibala       | Course Director & Fellow, V.V.GRI National Institute of Labour Studies | As a Representative of V.V.Giri National Labour Institute and Course Director for Five Days Research Methodology Course on 'Inclusion of Labour in Rural India' he visited and stayed in GRI campus and interacted with the participants of the programme and explained various labour issues in India. | 6-10, January 2020 |



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## Department of Rural Industries & Management

### PROFILE

Department of Rural Industries and Management was established in 1956 and inaugurated by Pandit Jawaharlal Nehru.

### Objectives:

- To provide academic and techno-managerial inputs to youth on rural industries
- To promote rural industries and entrepreneurship in rural areas through students and community engagement.



### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme                     | Year of Introduction |
|-------|-------------------------------|----------------------|
| 1.    | Ph.D                          | 1993                 |
| 2.    | MBA                           | 2019                 |
| 3.    | BBA                           | 2015                 |
| 4.    | Diploma in Textile Technology | 1987                 |

### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty        | Designation         |
|-------|----------------------------|---------------------|
| 1.    | Dr.M.Soundarapandian       | Professor & Head    |
| 2.    | Dr.R.Seerangarajan         | Professor           |
| 3.    | Dr.L.Rathakrishnan         | Professor           |
| 4.    | Dr.K.Raja Alias Pranamalai | Professor           |
| 5.    | Dr.Well Haorei             | Assistant Professor |
| 6.    | Dr.H.Samuel Thavaraj       | Assistant Professor |
| 7.    | Dr.B.Senthilkumar          | Assistant Professor |

### THRUST AREAS OF RESEARCH

- Management of Micro, Small and Medium Enterprises
- Handloom and Natural Dyeing
- Technical Textiles
- Rural Entrepreneurship
- Food Industry
- Functional Areas of Management

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## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

### Dr.M.Soundarapandian

1. Organized an International webinar on “Impact of Covid-19 on Human Resource in Higher Education, from 24.06.2020 to 25.06.2020.

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

### Dr.M.Soundarapandian

1. Delivered the Inaugural Address on Students learned about the villagers’ resource management and creating awareness programmes for the villagers at Peoples of Jallipatti, Kamalapuram, Oothupatti, Nilakkottai during 16.09.2019 to 21.09.2019.
2. Presented a paper titled “Strategies and Challenges in Marketing of Grapes in Dindigul District” at the International Conference on Transformation of Business, Management, Economy in Digital Era organized by Department of Commerce with Computer Application on 19.10.2019.
3. Listener in a State Level Symposium on “Quality Enhancement in Teacher Education” organized by Vivekanda College of Education for Women-Tiruchengodu on 29.11.2019.
4. Presented a paper titled “De-Bureaucratization” at the State Level Symposium on Vision of India 2035-Documentary Inputs organized by Indian Institute of Public Administration –Tripathi on 06.12.2019.
5. Presented a paper titled “Job satisfaction and motivation Among Secondary School Teachers in Theni District of Tamilnadu” at the 6<sup>th</sup> International Conference on Business Research organized SRM Institute of Science and Technology-Chennai during 17.12.2019 to 18.12.2019.
6. Presented a paper titled “A Study on E- HRM Practices in Private Sector Banks in Dindigul District” at the 102<sup>nd</sup> Annual Conference of IEA on Conference of IEA organized by AURO University –Surat – Gujarat during 27.12.2019 to 29.12.2019.
7. Presented a paper titled “Globalization and Human Resource Management –Challenges and Strategies” at the 2<sup>nd</sup> International Conference on Global Developing Prospective, Science, Technology and Economic Realignment- Challenges and Strategies organized by The Center for Development Studies, Chennai on 30.01.2020.
8. Delivered Felicitation Address at the National Workshop on Soft Skills organized by Dept of RIM, RTC, REC and School of Education-GRI during 22.01.2020 to 23.01.2020.
9. Attended a National Level Conference on “Association of Economics of Tamilnadu” organized by St. Joseph College- Thiruchirapalli during 02.02.2020.
10. Presented a paper titled “Online Learning” at National Level Educational Conclave of GYANOTSAV organized by National College- Thiruchirapalli during 19.02.2020 to 20.02.2020.
11. Presented a paper titled “Impact of Demonetization on Village Industries” at National Level Seminar on Sectoral Growth in Indian Economy organized by PG and Research Department of Commerce-Kandaswami College-Velur, Nammakal during 17.02.2020 to 18.02.2020.
12. Attended a National Level Webinar on “Bharathiya Economic Models” organized by SSVN-College Tamilnadu during 23.04.2020.
13. Attended a National Level Webinar on “Impact of Covid-19 on Global Economy” organized by Inspira Research Association (IRA) and Indian Accounting Association-Jaipur during 15.05.2020.
14. Presented a paper titled “Challenges and Strategies in Production of Informal Sector workers during Post Covid-19 period in Asia” at International Level Online Conference on Spillover Effects of Covid-19 on Global Economy-Problems and Prospects organized by Centre For Economic Studies-Chennai during 27.05.2020.
15. Attended a National Level Webinar on “Restructuring of Teacher Education” organized by Grace College of Education- Krishnagiri during 2.6.2020.
16. Attended a National Level Virtual Webinar on “Implication of the Covid-19 crisis for Labour at Employment in India: Impact Strategies and Respectives” organized by Institute for Human Development and ILO, New Delhi during 08.06.2020 to 09.06.2020.
17. Presented a paper titled “Tips for Research Projects Grants in Social Sciences and Techniques in Writing and Publishing the Research Articles” at International Level Online Workshop on Methods of Research in Social Science and Humanities organized by Centre for Economic Studies, Chennai during 11.06.2020 to 13.06.2020.

18. Attended a National Level Webinar on “Covid-19: Self Reliant India- Challenges and Opportunities” organized by Department of Economic-Bhagwardeen Arya Kanya, Kanpur during 18.06.2020.
19. Presented a paper titled “Human Resource in Higher Education Respecting to Covid-19” at International Level Webinar on Impact of Covid-19 on Human Resource in Higher Education organized by School of Management Studies, GRI during 24.06.2020 to 25.06.2020.
20. Attended a National Level Webinar on “Impact of Covid-19 on Indian Economy- Sector wise Analysis” organized by Karnataka Rajya Arthika Parishath (KRAPA) - Bangalore during 28.06.2020.
21. Attended a National Level Webinar on “Impact of Covid-19 on Agriculture” organized by Bishop Helva College-Tirchy during 3.07.2020
22. Attended a National Level Webinar on “Impact of Covid-19 on Future of Higher Education- Challenges and Opportunities” organized by Lead India Foundation – Hydradad during 04.07.2020.
23. Attended a National Level Webinar on “Rediscovering strategies in Managing Transition and Up skilling” organized by Pallay Arts and Science College- Nagapatinam during 06.07.2020.
24. Attended a National Level Webinar on “Competitive Business Enterprises: A Rainbow Opportunities” organized by Department of Cooperation, GRI and Indian society for Studies in Cooperation, Pune during 25.07.2020
25. Attended a National Level Webinar on “Relevance of Agile Approach in change Implementation” organized by National Productivity Council-New Delhi during 31.07.2020
26. Delivered Speech on “Self-Reliant India” at National Level Webinar on Self-Reliant India organized by Department of Economics, Sree Devi Kumari Amman Women’s College- Kanyakumari during 02.08.2020.
27. Delivered Speech on “Future of The Informal Sector in India” at National Level Webinar on Future of The Informal Sector in India organized by JCI-Junior Chamber Institute, Tamilnadu during 19.07.2020.
28. Delivered Felicitation Address at the International Webinar on Platform Cooperatives: An Opportunities for Youth Entrepreneurship organized by Department of Cooperation, GRI and Agriculture Cooperative Staff Training Institute-Trivandram during 12.08.2020.
29. Attended a National Level Webinar on “Transforming Youth into Responsible Citizen and Engage them in Developing the Nation” organized by Lead India Foundation-USA during 15.08.2020.
30. Attended a National Level Webinar on “Getting Ready for Business in the Age of Covid-19” organized by Department of Management Studies- University College of Engineering, Anna University, Tiruchirappali during 31.07.2020.

**Dr.R.Seerangarajan**

1. Presented a paper at the International Conference on Digitalisation in Micro and Rural Enterprises in the Era of Globalisation at Department of Economics, GRI-DU during 14-02-2020 to 15-02-2020.

**Dr.Well Haorei**

1. Attended Two day International Webinar on “International Webinar on Impact of COVID 19 on Human Resources in Higher Education” organized by School of Management Studies, GRI-DU during 24.06.2020 to 25.06.2020.

**Dr. H Samuel Thavaraj**

1. Attended Two day International Webinar on “International Webinar on Impact of COVID 19 on Human Resources in Higher Education” organized by School of Management Studies, GRI-DU during 24.06-.020 to 25.06.2020.

  
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 Gandhigram Rural Institute  
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 Dindigul Dist, Tamilnadu.

**Dr. B.Senthil kumar**

1. Presented a paper titled "Forecasting skills need in clothing industry" at International Level conference on Skills for clothing sector – Transforming the training functions organized by Algappa institute of skill development, Alagappa University during 22.01.2020 - 23.01.2020
2. Presented a paper titled "Apparel production technology" at National Level webinar on Technological innovation in apparel and fashion designing organized by Algappa Institute of skill development, Alagappa University on 24.06.2020.

**PUBLICATIONS****PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Refereed Journals as notified by UGC)****Dr.M.Soundarapandian**

1. "Strategies and Challenges in Marketing of Grapes in Dindigul District" with S.Parameswaran in *Journal of Analysis and Computation (JAC)* (International- ISSN:0973-2861); pp.01-12, October-2019.
2. "Job satisfaction and motivation Among Secondary School Teachers in Theni District of Tamil Nadu" with C.Prabhakaran in *Think India Journal* (National- ISSN: 0971-1260); Vol.22(10), pp.7990-7999, November-2019.
3. "Study on Consumer Preferences and Marketing Strategies of Mango Varieties in Western Zone of Tamil Nadu" with C.Prabhakaran in *International Journal of Current Microbiology and Applied Sciences* (International - ISSN: 2319-7706); Vol.8(12), November-2019.
4. "Gandhian Concept of Khadi and Village Industries in Present Context" with K.Vinayagamoorthy in *Journal of Extension and Research* (National- ISSN:0972-351x);Vol. XIX(01), pp.91-106, December-2019.
5. "Study on Consumer Preferences and Marketing Strategies of Mango Varieties in Western Zone of Tamilnadu" with M.Kanaleeswaran and Dr.T.SenthilVel in *Journal of Extension and Research* (National- ISSN:0972-351x); Vol. XIX(01), pp.149-170, December-2019.
6. "Globalization and Human Resource Management – Challenges and Strategies" with M.Kanaleeswaran and Dr.T.Senthivel in *Journal of Development Economics Management-Research Studies* (National- ISSN:2582-5119);Vol. 3(3), pp.5-10, March 2020.

**Dr.L.Rathakrishnan**

1. "Empirical Verification of Demonitisation on Micro and Small Entrepreneurs" in *Journal of Extension and Research* (National- 0972-351X); Vol.19 (1&2), pp.67-74, January to December 2019.

**Dr.K.Raja Alias Prnmalai**

1. "FDIs Role in Tourism Sector in India" in *International Journal of Analytical and Experimental Modal Analysis* (International-0886-9367); Vol. XI (Issues VIII), August 2019.
2. "The Future of Food Tourism in India" in *Entrepreneurship in the Hospitality and Tourism Industry* (International-978-93-5396-810-6); Vol 1, pp.80-84, 19<sup>th</sup> February 2020.

**Dr.Well Haorei & Dr.H.Samuel Thavaraj**

1. "The Practices of Total Quality Based Human Resource Management by Non-Governmental Organization" in *EPRA International Journal of Research & amp; Development (IJRD)* (International-2455-7838); Vol 05, Issue 06, pp.17-24, June 2020.
2. "Discriminant Dimensional Personality Inventory Among Owners with Special Reference to Small-scale Industries in Dindigul District, Tamil Nadu, India" in *SAGE: Small Enterprises Development, Management & Extension Journal* (Scopus/UGC CARE GROUP I-DOI: 10.1177/0970846420930506); Vol:47(1), pp 78-84, June 2020.
3. "Dynamics prompting consumer's transition to digital payment Custom: an application of structural equation modeling Approach" in *Strad Research* (International-0039-2049); Vol 07, Issue 07, pp.217-227, May 2020.

### **Dr.H.Samuel Thavaraj**

1. "Discernment Concerning E - Learning and Managing Stress among Students in Higher Learning Institution in Coimbatore: A Disaster Recovery Approach with Special Reference to The Covid-19 Lockdown Period" in International Journal of Disaster Recovery and Business Continuity (International-2005-4289); Vol 11, Issue I, pp.2570-2583, May 2020.

### **Dr.B.Senthil Kumar**

1. "Studies on mechanical and dynamic mechanical properties of banana fibre nonwoven composite" in Material today preceedings (International-2214-7853); May 2020.
2. "Investigation of dimensional properties of Eri silk Single jersey fabrics" in International journal of research in engineering application and management (International-2454-9150); Vol 05, Issue 11, pp. 22-25, February 2020.
3. "Effect of Inlay Yarn in Moisture and Thermal Transmission Properties of Plaited Double Knit Fabric Structures" in International Journal for Research in Applied Science & Engineering Technology (IJRASET) (International-2321-9653); Vol 08, Issue 02, pp. 770-774, February 2020.
4. "Comfort aspects of sportswear base fabrics-A review" in Journal of emerging technologies and Innovative research (UGC No 63975) (International-2349-5162); Vol 07, Issue 02, pp. 1071-1076, February 2020.
5. "Physical, Chemical, Thermal, and Surface Morphological Properties of the Bark Fiber Extracted from Acacia Concinna Plant" in Journal of natural fibres (International-15440478); November 2019.
6. "To study the antimicrobial effect of cotton fabric with natural dye extract of Tulsi using myrobalan mordant" in International journal of science and research (International-2319-7064); Vol 08, Issue 08, August 2019.
7. "To study the mordanting method of myrobalan with dyeing of Hibiscus rosa on cotton fabric" in Pramana Research Journal (International-2249-2976); Vol 09, Issue 06, June 2019.

### **BOOKS PUBLISHED**

#### **Dr.L.Rathakrishnan**

1. Published a book on "MGNREGS on Sustainable Livelihood and Ecological Security" in Archers & Elevators Publishing House, Bangalore Publications, pp.119; (ISBN / ISSN: 9789388805834); December 2019.
2. Published a book on "Access to Finance and Inclusive growth of SC/ST Women Entrepreneurs: The Role of Micro Finance Institutions in Tamil Nadu" in Archers & Elevators Publishing House, Bangalore Publications, pp, 135; (ISBN / ISSN: 9789388805858); May 2020.
3. Published a book on "Sago and Starch Manufacturing Small and Medium Enterprises in Tamil Nadu" with Dr.M.Saravanan in Archers & Elevators Publishing House, Bangalore Publications, pp, 89; (ISBN / ISSN: 9789388805896); May 2020.

#### **Dr. B.Senthil kumar**

1. Published a book on "Technology of Knit Spacer Fabrics"with N.Gokarnesan, K.M.Pachiyappan V.Mahalakshmi, S.Suganthi, P.Gracy in Woodhead Publishing, pp, 236; (ISBN / ISSN: 978-93-88320-33-7); April 2020.

### **TALKS DELIVERED**

#### **Dr.M.Soundarapandian**

1. Delivered Independence Day Message in Independence Day celebration at Sree Kalishwari College, Autonomous, Sivakasi in August 2019.
2. Delivered Facilitation Address in "International Conference on Liberalization, Privatization and Globalization: Three Decades of Experience in India" organized by Department of Economics-GRI on February, 2020.
3. Delivered Key Note Address in "Three day Work shop on Advanced Research Methodology and SPSS For Social sciences" organized by Department of Economics- GTN Arts and Science College, Dindigul on March, 2020.

### Dr. B.Senthil Kumar

1. Delivered a lecture on “Lean manufacturing in apparel industry” for the AICTE sponsored FDP organized by Department of Fashion Technology, Sona college of Engineering in 27<sup>th</sup> July 2019 to 1<sup>st</sup> Aug 2019.
2. Delivered a lecture on “Textiles for sustainability” for the AICTE sponsored FDP organized by Department of fashion technology and costume designing, Bon Secours College, Tanjavur in 07.06.2019

### EXTENSION ACTIVITIES

1. Dr.R.Seerangarajan has monitored the National level monitoring programmes of Ministry of Rural Development at Kasargod district of Kerala during 20.09.2019 to 27.09.2019.
2. Dr.R.Seerangarajan has monitored the National level monitoring programmes of Ministry of Rural Development at Pathanamthitta district of Kerala during 26.12.2019 to 31.12.2019.
3. Dr.R.Seerangarajan has monitored the National level monitoring programmes of Ministry of Rural Development at Chamrajnagar district of Karnataka during 29.02.2020 to 08.03.2020.
4. Dr.Well Haorei and Dr.H.Samuel Thavaraj organised the Village Placement Programme at Jallipatti Village from 16.09.2019 to 21.09.2019.
5. Dr.H.Samuel Thavaraj organized a VPP at Jallipatti Village during 16.09.2019 to 21.09.2019.
6. Dr.H.Samuel Thavaraj organized a Offsite One-Day Workshop on Innate Talent Development at Madurai on 10<sup>th</sup> October 2019.
7. Dr.H.Samuel Thavaraj organized a One-Day Workshop on Goal Setting and Time Management at GRI on 3<sup>rd</sup> December 2019.
8. Dr.H.Samuel Thavaraj organized a weekly soft skill Training Programme at GRI from 26<sup>th</sup> September 2019 to 17<sup>th</sup> October 2019.
9. Dr.B.Senthilkumar organised the Village Placement Programme at Oothupatti from 16.09.2019 to 21.09.2019.
10. Dr.B.Senthilkumar organized a Offsite One-Day Workshop on Innate Talent Development at Madurai on 10<sup>th</sup> October 2019.
11. Dr.B.Senthilkumar organized a One-Day Workshop on Goal Setting and Time Management at GRI on 3<sup>rd</sup> December 2019.
12. Dr.B.Senthilkumar organized a weekly soft skill Training Programme at GRI from 26<sup>th</sup> September 2019 to 17<sup>th</sup> October 2019.

### VISITORS TO THE DEPARTMENT

| Name of the Visitor | Designation and Affiliation  | Purpose                    | Month and Year of Visit |
|---------------------|--|----------------------------|-------------------------|
| Dr.K.J.Sivagnanam   | Head Skill Development<br>NIFT TEA Knitwear fashion Institute,<br>East of TEKIC, Mudalipalayam,<br>Tirupur – 641 606   | Doctoral Committee Meeting | July 2019               |
| Dr.S.Riasudeen      | Associate Professor<br>Department of Management Studies<br>Pondichery University<br>Pondichery                         | Guest Lecture Programme    | August 2019             |
| Dr.N.Manicka Makesh | Assistant Professor<br>SOM, SKCET, Coimbatore  | Guest Lecture Programme    | October 2019            |
| Mr.P.Saravanapandi  | Assistant Professor<br>Sri Nehru Maha Vidhyalay College,<br>Coimbatore – 50  | Guest Lecture Programme    | October 2019            |
| Dr.S.Rajmohan       | Professor<br>Department of Management Studies<br>Alagappa University, Karaikudi  | Doctoral Committee Meeting | March 2020              |
| Dr.A.Renga Reddy    | UGC Emeritus Fellow<br>Department of Economics<br>Sri Venkateswaran University<br>Tirupathi – 517 502<br>Andra Pradesh | Ph.D Viva Voce             | November 2019           |

|                         |  |                            |               |
|-------------------------|--|----------------------------|---------------|
| Dr.C.Samudhra Rajakumar | Professor<br>Department of Business Administration<br>Annamalai University, Chidambaram        | Doctoral Committee Meeting | November 2019 |
| Dr.K.S.Chandrasekar     | Professor & Head<br>IMS, University of Kerala<br>Thiruvananthapuram                            | Guest Lecture Programme    | January 2020  |
| Mr.A.Hariharan          | Consultant Trainer for placement,<br>Chennai   | Guest Lecture Programme    | February 2020 |
| Dr.P.Uma                | Former Director<br>Department of MBA<br>Fatima College, Madurai                                | Guest Lecture Programme    | February 2020 |
| Mr.K.RA.Rajan           | 75, Kurinji Street<br>Ram Nagar, Round Road<br>Dindigul – 624 005                              | Guest Lecture Programme    | February 2020 |
| Dr.Rajmohan             | Professor & Director i/c<br>Alagappa Institute of Management<br>Alagappa University, Karaikudi | Doctoral Committee Meeting | March 2020    |



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Dindigul Dist, Tamilnadu.

## Department of Economics

### PROFILE

Established in the year 1956, the Department has the vision of excellence in Education, Research and Extension towards integrated and prosperous rural economy. The Department offers programmes and courses in Economics and its branches, conducts need based rural economic research surveys and studies, organizes seminars and workshops and undertakes outreach and consultancy activities in economics. The thrust areas include Academia of Rural Finance and Banking, Energy Economics, Environmental Economics, Resource Economics, Development Economics, International Economics, Agricultural Economics, Health Economics, Gender Economics and Demographic Studies.



### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme      | Year of Introduction |
|-------|----------------|----------------------|
| 1     | Ph.D.          |                      |
| 2     | M.Phil.        |                      |
| 3     | M.A.           | 2015                 |
| 4     | B.A. Economics | 2019                 |

### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty | Designation         |
|-------|---------------------|---------------------|
| 1.    | Dr.S.Ramaswamy      | Professor           |
| 2.    | Dr.S. Nehru         | Professor           |
| 3.    | Dr.S.Rajendran      | Professor & Head    |
| 4.    | Dr.K.Manikandan     | Assistant Professor |
| 5.    | Dr.N.R.Deepa        | Assistant Professor |

### THRUST AREAS OF RESEARCH

- ❖ Energy Economics
- ❖ International Economics
- ❖ Third Sector and Development Economics
- ❖ Agriculture Economics
- ❖ Development Economics

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## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

### Dr.S. Rajendran

1. Organized an International Conference on Liberalization, Privatization and Globalization: Three Decades of Experience in India funded by GRI, RBI from 14<sup>th</sup> February to 15<sup>th</sup> February 2020.

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

### Dr.S.Ramaswamy

1. Presented a paper titled "E-Waste Manmade Mountains of Globalization: A critical Analysis" at the International Conference on Liberalization, Privatization and Globalization: Three Decades of Experience in India organized by GRI during 14<sup>th</sup> February 2020 to 15<sup>th</sup> February 2020.
2. Presented a paper titled "An Economic study on organization of petroleum Exporting countries and its operational mechanism" at the International Conference on Liberalization, Privatization and Globalization: Three Decades of Experience in India organized by GRI during 14<sup>th</sup> February 2020 to 15<sup>th</sup> February 2020.
3. Presented a paper titled "Service sector in India during globalization Era-A critical analysis" at the International Conference on Liberalization, Privatization and Globalization: Three Decades of Experience in India organized by GRI during 14<sup>th</sup> February 2020 to 15<sup>th</sup> February 2020.
4. Presented a paper titled "An Analysis on Relationship between export and economic growth in India during post globalization" at the International Conference on Liberalization, Privatization and Globalization: Three Decades of Experience in India organized by GRI during 14<sup>th</sup> February 2020 to 15<sup>th</sup> February 2020.
5. Presented a paper titled "Export performance of Indian fisheries sector: Globalization context" at the International Conference on Liberalization, Privatization and Globalization: Three Decades of Experience in India organized by GRI during 14<sup>th</sup> February 2020 to 15<sup>th</sup> February 2020.
6. Presented a paper titled "Disease pattern and Health expenditure in The Globalization Era in India" at the International Conference on Liberalization, Privatization and Globalization: Three Decades of Experience in India organized by GRI during 14<sup>th</sup> February 2020 to 15<sup>th</sup> February 2020.
7. Presented a paper titled "Food price Behavior during the LPG Era in India" at the International Conference on Liberalization, Privatization and Globalization: Three Decades of Experience in India organized by GRI during 14<sup>th</sup> February 2020 to 15<sup>th</sup> February 2020.
8. Presented a paper titled "The Causal Relationship between Trade and economic growth in India during post Liberalization Era" at the International Conference on Liberalization, Privatization and Globalization: Three Decades of Experience in India organized by GRI during 14<sup>th</sup> February 2020 to 15<sup>th</sup> February 2020.
9. Presented a paper titled "Dynamics of International Trade and its Impact on Agricultural production in the Globalized Era" at the International Conference on Liberalization, Privatization and Globalization: Three Decades of Experience in India organized by GRI during 14<sup>th</sup> February 2020 to 15<sup>th</sup> February 2020.
10. Presented a paper titled "Rural Environmental Crisis India: Need for Sustainability Approaches and Strategies" at the International Conference on Startup India: The Wings of Foreign Trade organized by Vivekanandha Institute of Information and Management Studies, Namakkal during 12<sup>th</sup> July 2019 to 13<sup>th</sup> July 2019.
11. Presented a paper titled "Energy and Environmental Nexus: A Case of BRICS Countries" at the National Conference on Business Opportunities issues and Challenges in BRICS Countries organized by GTN Arts College, Dindigul during 12<sup>th</sup> December 2019 to 13<sup>th</sup> December 2019.

### Dr.S. Nehru

1. Presented a paper titled "LPG are Boon or Ban in Indian Economy: A birds Eye View with special Reference to Primary sector" at the International Conference on Liberalization, Privatization and Globalization: Three Decades of Experience in India organized by GRI during 14<sup>th</sup> February 2020 to 15<sup>th</sup> February 2020.
2. Presented a paper titled "Export Performance of Indian Fisheries Sector: Globalization Context" at the International Conference on Liberalization, Privatization and Globalization: Three

Decades of Experience in India organized by GRI during 14<sup>th</sup> February 2020 to 15<sup>th</sup> February 2020.

3. Presented a paper titled “Impact of Globalization on Small and Medium Enterprises in India” at the International Conference on Liberalization, Privatization and Globalization: Three Decades of Experience in India organized by GRI during 14<sup>th</sup> February 2020 to 15<sup>th</sup> February 2020.
4. Presented a paper titled “GST and its Impact on SME in Dindigul District: A Micro Level Study” at the Annual Conference of AET State Level organized by St. Joseph’s College on 2<sup>th</sup> February 2020.

#### **Dr.S.Rajendran**

1. Participated in a National Web Lecture on “Migrant Labour in the Shadow of the Pandemic” organized by Institute for Human Development on 2<sup>nd</sup> May, 2020.
2. Participated in a National level Orientation Programme on “Tamil Nadu Open University-Board of Studies-Chairperson-Orientation Programme” organized by Curriculum Development Centre, Tamil Nadu Open University on 5<sup>th</sup> June, 2020.
3. Delivered a talk in a UGC Sponsored National Seminar on Irrigation and Economic Development titled “Reviving Traditional Irrigation Management – A Case Study of Kudimaramath” at The Madura College (Autonomous), Madurai on 30<sup>th</sup> August, 2019.
4. Delivered a talk titled “Dynamics of India’s Economic Slowdown” in a National Conference on Growth with Stability – Economic Prospects and Challenges in India at the Madras Christian College, Chennai on 22<sup>nd</sup> November, 2019.
5. Delivered a talk titled “Is Indian Agriculture Sustainable?” in a National Seminar on Agriculture towards a Paradigm Shift at the St. Joseph College, Devagiri, Calicut on 20<sup>th</sup> Feb, 2020.
6. Delivered a talk in a National Seminar on Agriculture toward Paradigm Shift: Mass Farming to Class Farming acted as Resource Person at the St. Joseph’ College Autonomous, Devagiri, Calicut on 19<sup>th</sup> and 20<sup>th</sup> February, 2020.
7. Resource Person in ICSSR Sponsored Twelve Days National Level Workshop on Capacity Building Programme at the Davangere University, Shivangotri on 07<sup>th</sup> March, 2020.
8. Delivered a talk in the 56<sup>th</sup> Annual Conference of The Indian Econometric Society (CTIES) acted as Resource Person at the Madurai Kamaraj University, Madurai on 08<sup>th</sup> to 10<sup>th</sup> January, 2020.
9. Delivered a talk in a Webinar on Impact of Covid-19 on Indian Agriculture acted as Resource Person at the PG and Research Centre in Economics, Government Arts College (Autonomous), Coimbatore – 18 on 12<sup>th</sup> June 2020.
10. Act as a Resource Person at National Seminar on Agriculture toward Paradigm Shift: Mass Farming to Class Farming at St. Joseph’ College Autonomous, Devagiri, Calicut during 19.02.2020 to 20.02.2020.
11. Act as a Resource Person at National Seminar on Agriculture toward Paradigm Shift: Mass Farming to Class Farming at St. Joseph’ College Autonomous, Devagiri, Calicut during 19.02.2020 to 20.02.2020.

#### **Dr.K.Manikandan**

1. Presented a paper titled “Impact of Globalization on Indian Agriculture” at the International Conference on Liberalization, Privatization and Globalization: Three Decades of Experience in India organized by GRI during 14<sup>th</sup> February 2020 to 15<sup>th</sup> February 2020.

#### **Dr.N.R.Deepa**

1. Presented a paper titled “Analogy between the Public Debt and Economic growth in the southern states of India” at the International Conference on Liberalization, Privatization and Globalization: Three Decades of Experience in India organized by GRI during 14<sup>th</sup> February 2020 to 15<sup>th</sup> February 2020.



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## PUBLICATIONS

### PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Refereed Journals as notified by UGC)

#### Dr.S. Nehru

1. "Socio-Economic Conditions of Brick Industry workers: An Exploratory Study" in Journal of Extension and Rural Development (National-0972-351X); Vol. XIX, pp.1-13, January- December 2019.

### PAPERS PUBLISHED IN NATIONAL/INTERNATIONAL JOURNALS (Research Publications in Reputed Journals as notified by UGC)

#### Dr. S. Rajendran

1. "Mitigating Drinking Water Crisis in Tamil Nadu" in International Journal of Research – Granthaalayah (International- 2359-0530); Vol. 7(8), 8<sup>th</sup>August, 2019.
2. "Encroachments on the Waterbodies in Tamil Nadu" in Economic and Political Weekly (National-0012-9976); Vol. 55(24), pp. 27-28, 13<sup>th</sup> January, 2020.

## BOOKS PUBLISHED

#### Dr. S. Ramaswamy

1. Published a book on "Energy Development Issues and Policies" in MJP Publisher, Chennai; (ISBN / ISSN: 978-93-88694-09-4); 2019.
2. Published a book on "Water Security and Water Trade in Indian Economy" in Lambert Academic Publishing (LAP), Germany, (ISBN/ISSN: 978-620-0-46644-0); 2019.
3. Published a book on "Rural Energy System" in MJP Publishers, Chennai; (ISBN/ISSN: 978-93-88694-10-0); 2019.

## CHAPTERS PUBLISHED

#### Dr. S. Ramaswamy

1. "Energy and Environmental Nexus: A Case of BRICS Countries" in the book of Business Opportunities Issues and Challenges in BRICS Countries published by Shanlax Publications, Tamil Nadu, (ISBN/ISSN. 978-9389-658-224); pp. 14-23, 2019.

## MONOGRAPHS PUBLISHED

#### Dr. S.Rajendran

1. Published a monograph titled "COVID-19: Spice growers of Tamil Nadu, Kerala face looming crisis" in Down to Earth, 1<sup>st</sup> May 2020.
2. Published a monograph titled "How COVID-19 has jammed South India's jackfruit economy" in Down to Earth, 27<sup>th</sup> April 2020.

## TALKS DELIVERED

#### Dr. S.Nehru

1. Delivered a talk in an Inauguration of Economics Association titled "Recent trends in Indian Economy: A Birds Eye View" at Arumugam Pillai Seethaiammal College, Tiruppatur on 25<sup>th</sup>October, 2019.
2. Delivered a talk on "Impact of Artificial Intelligence on Different Economies in the World: A Birds Eye View" in a National Seminar on "Artificial Intelligence, Robotics in Business and Employment Opportunities and Challenges" and Chaired a Technical Session at Acharya Institute of Graduate Studies, Bangalore on 28<sup>th</sup> February 2020.
3. Delivered a talk in a National Conference on The Reasons of Unemployment in the Current Scenario titled "Status of Unemployment in India: A Birds Eye View" at Sri SAI Bharath College of Arts and Science, Oddanchatram on 06<sup>th</sup> March 2020.
4. Delivered a talk in a UGC sponsored National Seminar on Irrigation and Econometrics on Regional Comprehensive Economic Cooperation and India, Bharathiar University, Coimbatore on 26.11.2019.

  
REGISTRAR

Gandhigram Rural Institute

(Deemed to be University)

Gandhigram - 624 302.

Dindigul Dist, Tamilnadu.

### Dr. S. Rajendran

1. Delivered a talk in a Lecture Series Commemorating Centenary Year (2019-20) titled "Emerging Trends in Indian Agriculture" at Presidency College, Chennai on 23<sup>rd</sup> September, 2019.
2. Delivered a Keynote Address in a "Greening the Blue: Nourishing People and Nurturing the Planet" organized by Alagappa University on 16<sup>th</sup> October, 2019.
3. Delivered a talk in Prof. P Muthusamy Memorial Lecture titled "Policy and Technological Fatigue in Indian Agriculture" at the St. Xavier College, Palayankottai on 11<sup>th</sup> October, 2019.
4. Delivered a Keynote address on "The Relevance of Gandhian Philosophy and Economics" at the Sacred Heart College, Chalakudy on 06<sup>th</sup> December, 2019.
5. Delivered a talk on "NAAC Documentation and Proposal for Fund Raising" in a Build the Capacity of the Teachers in Research and Extension Activities programme organized by Parvathy's Arts and Science College, Dindigul from 2<sup>nd</sup> to 4<sup>th</sup> December, 2019.
6. Delivered a talk titled "Risks Reduction and Resource Use Efficiency by Micro-Irrigation" in a Micro-irrigation in India: Economics, Impact and Potential organized by Alagappa University, Karaikudi on 31<sup>st</sup> January, 2020.
7. Delivered a talk in The Expert Talk on AQAR: Accreditation Process with New Framework Including Preparation of SSR acted as Resource Person at the Nutan Mahavidyalaya, Selu, Vasant Rao Naik Mahavidyalaya, Nanded, and Lokmanya Mahavidyalaya, Sonkhed, on 18<sup>th</sup> June 2020.

### Dr. K.Manikandan

1. Delivered a talk in a Workshop on Participatory Rural Appraisal Technique for Socio-economic Development acted as Resource Person at the Avinasilingam Institute for Home Science and Higher Education for Women, Coimbatore on 11<sup>th</sup> to 12<sup>th</sup>, December, 2019.
2. Delivered a talk in a Participatory Rural Appraisal Tools acted as Resource Person at the KVK – Micro Planning of Agro Forestry to forest officials of CASFOS, Coimbatore on 3<sup>rd</sup> February 2020.

### Dr.N.R.Deepa

1. Delivered a talk in a National Conference on Growth with Stability – Economics Prospects & Challenges in India titled A comparative Analysis of Economics of SRI cultivation in Madurai (Dt) Tamil Nadu at the Madras Christian College, Tambaram on 22<sup>nd</sup> November 2019.



### VISITORS TO THE DEPARTMENT

| Name of the Visitor | Designation and Affiliation   | Purpose  | Month and Year of Visit |
|---------------------|---|--|-------------------------|
| Dr. R. Karunakaran  | Professor<br>Department of Cooperatives<br>College of Business & Economics<br>Hawassa University<br>Hawassa, Ethiopia | Strategies for Achieving Sustainable Development Goals | 07.08.2019              |

|                           |  |  |            |
|---------------------------|--|--|------------|
| Dr. Bharathi Kannamma     | Director, Bharathi Kannamma Trust, Madurai – 625 001   | Strategies for Third Gender Economic Development – An Insider's View | 21.08.2019 |
| Dr. U. Selvaraj           | Technical Advisor, Arun Mohan Poultry Farm, Samiyarpatti   | Challenges and Opportunities for Rural Employment                    | 25.09.2019 |
| Dr. P. Muthuraman         | Principal Scientist and Head, Training and Technology, Transfer Division, ICAR- Indian Institute of Rice Research, Hyderabad | Research in Agriculture Sociology                                    | 03.10.2019 |
| Dr. R. Gopinath           | Senior Scientist M.S. Swaminathan Research Foundation, Chennai-13  | Food Security Situation in India                                     | 17.10.2019 |
| Dr. K. Sivsubramaniyan    | Professor, MIDS, Chennai   | Irrigation and Agriculture Productivity Improvement in India         | 30.10.2019 |
| S.Lakshmanan,             | Publisher, Shanlax International Journals, Madurai   | Quality Publication and Citation Matrix for Social Science Research  | 15.12.2019 |
| Dr. S.T. Bagalkote        | Professor, Dept. of Studies in Economics, Karnatak University, Dharwad.  | Nobel Laureates in Economics - 2019                                  | 12-12-2019 |
| Prof. M. Ramachandran,    | Department of Economics, Pondicherry University, Puducherry  | Principles of Economics and the Reality                              | 06.01.2020 |
| Dr. Rajani Mathur         | Professor, Mumbai School of Economics, University of Mumbai, Mumbai  | Principles of Economics and the Reality                              | 06.01.2020 |
| Dr. P. Geetharani         | Professor, NIEPA, New Delhi  | Changing Requirements of Education in Labour Market                  | 10.01.2020 |
| Dr. R. P. Buvanewari,     | Assistant Professor and Head , P.G. Dept. of Economics, N.K.R. Govt. Arts College for Women, Namakal                         | Skill Enhancement  | 22.01.2020 |
| Dr. E. Selvarajan         | Dean, Faculty of Arts, Annamalai University, Chidambaram.  | An Over View of Economic Survey -2019-20 and Budget – 2020-21        | 05.02.2020 |
| Dr. D. Swamikannan,       | Professor and Head, Chairperson, School of Economics, M.K. University, Madurai.  | An Over View of Economic Survey -2019-20 and Budget – 2020-21        | 05.02.2020 |
| Dr. A.J. Arul Chelladurai | Professor and Head, School of Economics, Bharathidasan University, Tiruchirappalli   | An Over View of Economic Survey -2019-20 and Budget – 2020-21        | 05.02.2020 |
| Dr. S. Krishnan           | Assistant Director (Rtd.), Tamil Nadu State Statistical Training Institute, Chennai.   | Macro Data for Economic Research                                     | 26.02.2020 |
| Dr. A. Narayanamoorthy    | Professor and Head, Department of Economics and Rural Development, Alagappa University, Karaikudi                            | Climate Change and Water in India                                    | 04.03.2020 |
| Dr. B. Vanitha            | Professor and Head, Department of Economics, Bharathiar University, Coimbatore   | Behavioural Economics: Nudge Theory                                  | 11.03.2020 |

## Department of Cooperation

### PROFILE

The Department of Cooperation was established in 1956. It is one of the oldest departments in Gandhigram Rural University. It is the first of its kind in offering Cooperation as an academic discipline at University level in India with the basic objective of developing manpower with updated knowledge and skill in managing, facilitating, organizing, and revitalizing cooperatives and other organizations particularly in rural areas.



### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme                      | Year of Introduction |
|-------|--------------------------------|----------------------|
| 1     | Ph.D (Cooperation)             | 1984                 |
| 2     | M.Com (Cooperative Management) | 2017                 |
| 3     | B.Com (Cooperation)            | 2015                 |

### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty | Designation         |
|-------|---------------------|---------------------|
| 1.    | Dr.B.Subburaj       | Professor           |
| 2.    | Dr.B.Tamilmani      | Professor           |
| 3.    | Dr.K.Ravichandran   | Professor           |
| 4.    | Dr.S.Manivel        | Professor           |
| 5.    | Dr.C.Pitchai        | Professor           |
| 6.    | Dr.B.Baskar         | Assistant Professor |
| 7.    | Dr.K.Dhevan         | Assistant Professor |

### THRUST AREAS OF RESEARCH

- ❖ Governance and Administration
- ❖ Legal Framework
- ❖ Cooperatives and Entrepreneurship Development
- ❖ Business Development and Policies
- ❖ Cooperatives and Rural Development

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Gandhigram - 624 302.  
Dindigul Dist, Tamilnadu.

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

### Dr. C.Pitchai

1. Presented a paper titled "97<sup>th</sup> Constitutional Amendment: Performance of Primary Agricultural Cooperative Credit Societies (PACCS) Before and After the Implementation in Tamil Nadu" at the National Workshop on Autonomous Cooperatives: Myth or Realities, organized by Indian Institute of Bank Management, Guwahati and ISSC, Pune during 28-29 February 2020.
2. Presented a paper titled "Technological Adoption by the Cooperatives in the State of Tamil Nadu" at the International Conference on Liberalisation, Privatisation and Globalisation: Three Decades of Experience in India, organized by GRI during 14<sup>th</sup> February to 15<sup>th</sup> February 2020.

### Dr. K. Dhevan

1. Participated in an International Webinar on "Impact on Covid 19, on Human Resources in higher Education," organized by GRI on 24-25 June 2020.
2. Participated in a National Webinar on "An overview of GST" organized by IQAC and Shasun Jain College for Women, Chennai on 19<sup>th</sup> May 2020.
3. Participated in an International Webinar on "Distruption of Covid 19 and response measures Role of Cooperatives in developing countries" organized by SRKMV Arts and Science college, Coimbatore on 28<sup>th</sup> May 2020.
4. Participated in a National Webinar on "Concern for Community by Cooperatives during Covid 19" organized by Govt Arts College, Salem on 27<sup>th</sup> May 2020.
5. Participated in a National Webinar on "Conquering the invisible Enemy: Strategies for Cooperatives in the Pandemic Work" organized by SRKMV Arts and Science college, Coimbatore on 22<sup>nd</sup> May 2020.
6. Participated in a National Webinar on "Emotional Well being and Harmonious for Excellence" organized by Coimbatore Institute of Technology on 19<sup>th</sup> May 2020.
7. Participated in a National Webinar on "OpenSource Software" organized by by MV Muthiah Govt Arts College, Dindigulon 9<sup>th</sup> May 2020.
8. Participated in a National Webinar on "Use of Elsevier tools in research Workflow" organized by University of Madras, Chennai on 5<sup>th</sup> May 2020.

## PUBLICATIONS

### PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Refereed Journals as notified by UGC)

#### Dr. B.Tamilmani

1. "A Study on Service Quality of Cooperative Banks in Dindigul District" in *International Journal of Commerce, Economics & Management* (International-2231-4245); Vol. 10, pp.1-3, May 2020.

#### Dr. K.Ravichandran

1. "Agrarian Distress and Governance System in PACCS in Tamil Nadu in *Journal of Interdisciplinary Cycle Research* (International-0022-1945); Vol. 12(1), pp.1-11, January 2020.

#### Dr. C.Pitchai

1. "Liberalization, Privatization and Globalization: An Impetus to Adopt Technology by the Cooperatives in the State of Tamil Nadu" in *Alochana Chakra Journal* (International-2231-3990); June 2020.
2. "Sustainability and Empowerment of Rural Women Artisans - A Case Study of the Manapad Women Workers Palm Leaf Industrial Cooperative Society Limited in TamilNadu" in *Alochana Chakra Journal* (International-2231-3990); Vol. 9(4), pp.4546-4549, April 2020.
3. "Food Security and Cooperatives" in *The Cooperator* (National); Vol. 57(10-12), pp.55-59, April 2020.
4. "COVID'19: A Pandemic –Impact on Education Sector and Employability" in *Journal of Critical Reviews* (International-2394-5125); Vol. 7(16), pp.2571-2576, 2020.

#### Dr. K. Dhevan

1. "A Study on Financial Performance of Micro Finance Institutions in India" in *Purakala (UGC Care Journal)* (National-0971-2143); Vol. 31(28).
2. "Restructuring of cooperative credit in Tamil Nadu- Need of the hour" in *Indian Cooperative Review* (National-0194581); Vol. 24(2).

REGISTRAR

## CHAPTERS PUBLISHED

### Dr. K. Ravichandran

1. "The role of Urban Co-operative Bank in the Promotion of Enterprises in Priority Sector in Dindigul district" in the book of Banking and developmental challenges in India: Issues, Magnitude and Remedies published by Spring Leaf publications, Mysore, (National, ISSN. 978-81-927970-9-0); pp. 138-158, 2019.
2. "A Study on the Human Resource Management Practices in Dindigul Central Cooperative Banks, Tamil nadu" in the book of Banking and developmental challenges in India: Issues, Magnitude and Remedies published by Spring Leaf publications, Mysore, (National, ISSN. 978-81-927970-9-0); pp. 176-195, 2019.
3. "Thurinjupatti PACCS in Dharmapuri District, Tamil Nadu" in the book of Banking and developmental challenges in India: Issues, Magnitude and Remedies published by Spring Leaf publications, Mysore, (National, ISSN. 978-81-927970-9-0); pp. 138-158, 2019.

### Dr. C.Pitchai

1. "Doubling Farmers Income: A Study on the Agricultural Producers Cooperative Marketing Society in Tamil Nadu" in the book of Rejuvenating Cooperatives for Doubling Farmers Income: A Road Map published by ISSC, VAMNICOM, Pune, (National, ISSN. 978-93-88017-11-4); December 2019.

## TALKS DELIVERED

### Dr. K. Ravichandran

1. Delivered a talk on Recent Trends in Studies on Agrarian Distress in India in Two-Day International Level FDP – Webinar on Recent Trends in Social Science Research at ArulmiguPalaniandavar College of Arts and Culture, Palani on 8<sup>th</sup> June 2020.
2. Delivered a talk on Supply Chain Management - Strategies for Cooperatives to Address Agrarian Distress during Post COVID – 19 in International Seminar on Supply Chain Management - Strategies for Cooperatives to Address Agrarian Distress during Post COVID - 19 at TBML College, Porayaron 29<sup>th</sup> May 2020.
3. Delivered a talk on Ashrams setup based on Gandhiji's Ideas in 150<sup>th</sup> Gandhi Jeyanthi Celebrations at Periyar University, Raj Bhavan, Chennai on 27<sup>th</sup> September 2019.

### Dr. C. Pitchai

1. Delivered a talk on LPG and Service Sector in International Conference on Liberalisation, Privatisation and Globalisation: Three Decades of Experience in India at GRI on 15<sup>th</sup> February 2020.
2. Delivered a talk on New Initiatives of Government through Cooperatives in 66<sup>th</sup> Cooperative Week Celebration at Tamil Nadu Cooperative Union on 18<sup>th</sup> November 2019.
3. Delivered a talk on Innovation and Best Practices in Cooperatives in 66<sup>th</sup> Cooperative Week Celebration at Bharathidasan University on 15<sup>th</sup> November 2019.
4. Delivered a talk on Technology Adoption in Cooperatives in 66<sup>th</sup> Cooperative Week Celebration at Bharathidasan University on 15<sup>th</sup> November 2019.
5. Delivered a talk on Cooperatives Promotes Weaker Sections Vs Cooperatives Does not Promote Weaker Sections in 66<sup>th</sup> Cooperative Week Celebration at Department of Commerce and Financial Studies on 15<sup>th</sup> November 2019.
6. Delivered a talk on Cooperative Way of Doing Business in Refresher Course for the Teachers of Commerce at UGC-HRD Centre, Bharathidasan University on 28<sup>th</sup> September 2019.
7. Delivered a talk on Cooperative Way of Doing Business in Refresher Course for the Teachers of Management at UGC-HRD Centre, Bharathidasan University on 28<sup>th</sup> September 2019.
8. Delivered a talk on Cooperative Way of Doing Business in Refresher Course for the Teachers of Commerce and Management at UGC-HRD Centre, Bharathidasan University on 28<sup>th</sup> September 2019.
9. Delivered a talk on Orientation on Agribusiness Management in MBA Program at AR School of Business on 19<sup>th</sup> August 2019.

## EXTENSION ACTIVITIES

1. Dr.B.Baskar, Dr.B.Tamilmani, Dr.K.Ravichandran and Dr.K.Dhevan organized Village Placement Programme at Kalikkampatti from 16<sup>th</sup> September 2019 to 21 September 2019.
2. Dr.K.Ravichandran served as a Regional Co-ordinator for UBA in Regional during 1<sup>st</sup> March 2019 to till date.

## Department of Mathematics

### PROFILE

The Department of Mathematics was established in the year 1965 and Diploma in Rural Service (Mathematics) was offered till 1975. Then B.Sc. Mathematics Programme is being offered from 1976 onwards. Two year PG Programme M.Sc. Mathematics is being offered from 2008-2009 onwards. Ph.D. Programme is being offered from 1992-1993 onwards. B.Sc., B.Ed. in Mathematics is being offered from the academic year 2018-19. M.Phil. Mathematics (regular) is being offered during the academic year 2019-20. Department is supported by National Board for Higher Mathematics (NBHM Library Grant) with more than 8700 books. Department is supported by FIST grant from 2007-2019 (Level I – 2007-2013 and Level II -2014-2019). Department is supported by UGC-SAP (DRS-I & II) from 2004-2009 & 2009-2014. Department is supported by UGC-SAP (DSA-I) from 2018-2023 equipped with state of art Computer Lab facilities.



SCHOOL OF SCIENCES

### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme                      | Year of Introduction |
|-------|--------------------------------|----------------------|
| 1.    | Ph.D. Mathematics              | 1992                 |
| 2.    | M.Phil. Mathematics (Regular)  | 2019                 |
| 3.    | M.Sc. Mathematics              | 2008                 |
| 4.    | B.Sc., B.Ed. (Int) Mathematics | 2018                 |
| 5.    | B.Sc. Mathematics              | 1976                 |

### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty    | Designation         |
|-------|------------------------|---------------------|
| 1.    | Dr. P. Balasubramaniam | Professor & Head    |
| 2.    | Dr. R. Uthayakumar     | Professor           |
| 3.    | Dr. G. Mahadevan       | Assistant Professor |
| 4.    | Dr. P. Muthukumar      | Assistant Professor |
| 5.    | Dr. R. Rajkumar        | Assistant Professor |
| 6.    | Dr. G. Nagamani        | Assistant Professor |
| 7.    | Dr. M. Suresh Kumar    | Assistant Professor |

  
REGISTRAR

## THRUST AREAS OF RESEARCH

- ❖ Inventory Management and Control
- ❖ Fuzzy Neural Networks
- ❖ Fractal Theory
- ❖ Algebraic Graphs Theory and Networks
- ❖ Algebraic Coding Theory
- ❖ Functional Equations & Dynamical Systems
- ❖ Functional Analysis
- ❖ Image Processing
- ❖ Optimization Theory and Mathematical Modelling
- ❖ Stability Theory & Mathematical Modelling
- ❖ Graphs and Networks
- ❖ Domination Theory
- ❖ Fuzzy Graphs
- ❖ Stability analysis of time-delay systems
- ❖ Control on Nonlinear Fractional Dynamical Systems
- ❖ Numerical Approximations of Solutions and Controls
- ❖ Neural Networks
- ❖ Stability Analysis
- ❖ Functional Calculus
- ❖ Control Theory

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

**Dr. P. Balasubramaniam (Convener), Dr. R. Uthayakumar (Co-convener) and Dr. R. Rajkumar (Organizing Secretary)**

1. Organized an International Conference on Mathematical Modelling and Scientific Computing (ICMMSC – 2020) funded by DST-SERB organized by The Gandhigram Rural Institute (Deemed to be University) Gandhigram during 19-21 February 2020.

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

**Dr. R. Uthayakumar**

1. Speaker in the International Conference on Advances in Mathematics and its Applications in Technology Organized by Department of Mathematics, Srinivasa Ramanujan Centre, Kumbakonam during 27-28 March 2020.
2. Resource Person delivered a talk on Applications of Mathematics in Real life in the National Seminar organized by G. T. N. Arts College, Dindigul on 26<sup>th</sup> March 2020.
3. Resource Person in the National Conference on Advances in Mathematics (Sponsored by SERB) organized by Department of Mathematics, St. Mary's College (Autonomous), Thoothukudi. Arts College, Dindigul on 12<sup>th</sup> March 2020.
4. Resource Person in the National Seminar on Emerging Trends in Mathematics (NSETM'2020) organized by Department of Mathematics, Dhanalakshmi Srinivasan College of Arts and Science for Women, Perambalur on 27<sup>th</sup> March 2020.
5. Resource Person in the National Level Workshop on "Modern Breakthroughs in Number Theoretic and Discrete Geometric Problems" organized by Department of Mathematics, University of Kerala, Kariavattom on 11<sup>th</sup> December 2019.
6. Advisory Committee member in the International Conference on Computational and Applicable Mathematics – (ICCAM - 2019) organized by Department of Mathematics, The Quaide Milleth College for Men, Medavakkam, Chennai on 06<sup>th</sup> September 2019.



**REGISTRAR**

7. Resource Person in One Day National Conference on Emerging Trends in Pure and Applied Mathematics organized by Department of Mathematics, Seethalakshmi Achi College for Women, Pallathur, Sivaganga on 23<sup>rd</sup> September 2019.
8. Resource Person in National Conference on Recent Advances in Mathematical Modelling (NCRAMM'19) organized by School of Mathematics, Alagappa University, Karaikudi on 23<sup>rd</sup> September 2019.
9. Resource Person in One-Week Induction Programme for the first year B. E. students at Anna University organized by University College of Engineering, Dindigul on 11<sup>th</sup> August 2019.
10. Resource Person in Inaugural function of Mathematics Association organized by PG and Research Department of Mathematics, C.P.A. College, Bodinayakanur on 07<sup>th</sup> August 2019.

#### **Dr. G. Mahadevan**

1. Participated in the National Level Training Programme on Moodle Learning Management System organized by Gandhigram Rural Institute – Deemed to be University, Gandhigram on 30<sup>th</sup> May 2020.
2. Participated in the National Level Webinar on Introduction to Matlab organized by Alagappa University, Karaikudi on 16<sup>th</sup> May 2020.
3. Participated in the International Level Webinar on Mathematical Modeling and Multidisciplinary Mathematics organized by IITE, Gujarat during 2-3 May 2020.
4. Participated in the State Level Lecture Series Programme on Mathematics of Industry 4.0 organized by SRM Institute of Science and Technology, Chennai during 27-29 April 2020.

#### **Dr. P. Muthukumar**

1. Participated in the Awareness Workshop on NIRF Ranking organized by Marian College at Cardinal Parecatil Renewal Centre, Azad Road, Kaloor, Ernakulam on 21<sup>st</sup> November 2019.
2. Participated UGC sponsored Refresher Course in Mathematical Science (Mathematics & Statistics) organized by the UGC- Human Resource Development Centre, University of Calicut, Kerala held from 09-12-2019 to 21-12-2019 and obtained grade 'A+'.

#### **Dr. G. Nagamani**

1. Resource Person in the 3<sup>rd</sup> International Conference on Current Scenario in Pure and Applied Mathematics organized by Kongunadu Arts and Science College, Coimbatore from 30 January 2020 to 01 February 2020.
2. Resource Person in the One day State Level Workshop on “Enhancing Problem Solving Skills in Algebra and Analysis” organized by Department of Mathematics, Government Arts College, Udhamandalam, Coimbatore on 29<sup>th</sup> January 2020.
3. Resource Person in the 1<sup>st</sup> International Conference on Lesson Study of Science Technology Engineering and Mathematics organized by Faculty of Teacher Training and Education, The University of Jember, Indonesia from 29 November 2019 to 02 December 2019.

#### **Dr. M. Suresh Kumar**

1. Resource Person in the State level Workshop on Complex Analysis organized by Loyola College, Chennai during 11-13 February 2020.
2. Resource Person in the 2<sup>nd</sup> International Conference on Mathematical Modelling and Computational Methods in Science and Engineering organized by Alagappa University, Karaikudi during 22-24 January 2020.

### **PUBLICATIONS**

#### **PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Refereed Journals as notified by UGC)**

#### **Dr. P. Balasubramaniam**

1. “Existence of fuzzy fractional stochastic differential system with impulses” in Computational and Applied Mathematics (International-1807-0302); pp.1-21, 2020.

2. "Stability result of higher-order fractional neutral stochastic differential system with infinite delay driven by Poisson jumps and Rosenblatt process" in Stochastic Analysis and Applications (International- 1532-9356); Vol. 38, pp. 352-372, 2020.
3. "Ulam's stability of Hilfer fractional stochastic differential systems" in The European Physical Journal Plus (International-2190-5444); Vol. 134(12), 2019.
4. "Delayed impulsive control for exponential synchronization of stochastic reaction–diffusion neural networks with time-varying delays using general integral inequalities" in Neural Computing and Applications (International-433-3058); Vol. 31, pp. 8719-8726, 2019.
5. " $p^{\text{th}}$  Moment stability of fractional stochastic differential inclusions via resolvent operators driven by the Rosenblatt process and poisson jumps with impulses" in Stochastics (International- 1744-2516); pp. 1-18, 2019.
6. "On impulsive Hilfer fractional stochastic differential system driven by Rosenblatt process" in Stochastic Analysis and Applications (International- 1532-9356); Vol. 37(6), pp. 955-976, 2019.
7. "Stability of Impulsive Stochastic Reaction Diffusion Recurrent Neural Network" in Neural Processing Letters (International- 1573-773X); pp. 1-12, 2019.

**Dr. R. Uthayakumar**

1. "Inventory lot-size policies for deteriorating items with expiration dates, advance payments and shortages under trade credit" in International Journal of Services and Operations Management (International-1744-2389); September 2019.
2. "A deteriorating inventory model for determining optimal replenishment run time with failure rework and shortage" in International Journal of Systems Science: Operations & Logistics (International- 2330-2682); July 2019.
3. "Inflation and time value of money in a vendor–buyer inventory system with transportation cost and ordering cost reduction" in Journal of Control and Decision (International- 2330-7714); July 2019.

**Dr. G. Mahadevan**

1. "Generation of ultra-long multiple optical tubes using annular Walsh function filters" in Optical and Quantum Electronics (International-0306-8919); Vol. 52(10), 2020.
2. "At most twin extendable separated domination number of a graph" in Advances in Mathematics: Scientific Journal (International-1857-8365); Vol. 9(6), pp. 4203-4212, 2020.
3. "Discovering complementary independent twin paired domination number for some product related graphs" in Advances in Mathematics: Scientific Journal (International-1857-8365); Vol. 9(6), pp. 4261-4270, 2020.
4. "Non-split perfect triple connected domination number of semi product of paths and cycles" in Advances in Mathematics: Scientific Journal (International-1857-8365); Vol. 9(6), pp. 4231-4240, 2020.
5. "Twin Paired Domination Number of a Graph" in Journal of Physics: Conference Series (International-1742-6588); Vol. 1543(012012), pp. 1-8, 2020.
6. "Double Twin Domination Number of Peculiar Graphs" in Journal of Physics: Conference Series (International- 1742-6588); Vol. 1543(012003), pp. 1-8, 2020.
7. "Restrained Step Domination Number for Some Amusing Product Graph of Paths and Cycle" in International Journal of Recent Technology and Engineering (International-2277-3878); Vol. 8(4S5), pp. 24-28, December 2019.
8. "Clone Hop Domination Number of some Total and Line graphs" in International Journal of Applied Engineering Research (International- 0973-4562); Vol. 14(8), pp. 72-76, 2019.
9. "Restrained step domination number for some derived and grid related graphs" in International Journal of Applied Engineering Research (International- 0973-4562); Vol. 14(8), pp. 7-11, 2019.
10. "Restrained step triple connected domination number of a graph" in Journal of Discrete Mathematical Sciences and Cryptography (International- 0972-0529); Vol. 22(5), pp. 731-744, December 2019.
11. "Investigation of Non Split Perfect Triple Connected Domination Number of Some Semi Product Related Graphs" in The International journal of analytical and experimental modal analysis (International- 0886-9367); Vol. 11(10), pp. 191-196, October 2019.

12. "Clone hop domination number of a graph" in Journal of Discrete Mathematical Sciences and Cryptography (International- 0972-0529); Vol. 22(5), pp. 719-729, 2019.

**Dr. P. Muthukumar**

1. "Exponential Stability of Non-linear Stochastic Delay Differential System with Generalized Delay-Dependent Impulsive Points" in Applied Mathematics and Computation (International- 0096-3003); Vol. 382, pp. 125344, May 2020.
2. "Optimal control of Sobolev-type stochastic Hilfer fractional non-instantaneous impulsive differential inclusion involving Poisson jumps and Clarke subdifferential" in IET Control Theory and Applications (International- 1751-8644); Vol. 14(6), pp. 887-899, April 2020.
3. "Optimal control of fractional neutral stochastic differential equations with deviated argument governed by Poisson jumps and infinite delay" in Optimal Control, Applications and Methods (International- 1099-1514); Vol. 40(5), pp. 880-899, September 2019.
4. "Robust reliable  $H_\infty$  control design for networked control systems with nonlinear actuator faults and randomly missing measurements" in International Journal of Robust and Nonlinear Control (International- 1099-1239); Vol. 29(12), pp.4168-4190, August 2019.

**Dr. R. Rajkumar**

1. "Characterization of groups with planar, toroidal or projective planar (proper) reduced power graphs" in Journal of Algebra and its Applications (International- 1793-6829); Vol. 19(5), pp. 1-18, May 2020.
2. "Adjacency and Laplacian spectra of variants of neighborhood corona of graphs constrained by vertex subsets" in Discrete Mathematics, Algorithms and Applications (International- 1793-8317); Vol. 11(6), pp. 1-19, December 2019.
3. "Spectra of  $(H_1, H_2)$  merged subdivision graph of a graph" in Indagationes Mathematicae (International- 0019-3577); Vol. 30(6), pp.1061-1076, November 2019.

**Dr. M. Suresh Kumar**

1. "Subcommuting and comparable iterative roots of order preserving homeomorphisms" in Arab Journal of Mathematical Sciences (International- 1319-5166); Vol. 26(1), pp. 203-210, October 2019.

**PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Reputed Journals as notified by UGC)**

**Dr. R. Uthayakumar**

1. "A novel approach to safety stock management in an integrated supply chain with controllable lead time and ordering cost reduction using present value" in RAIRO - Operations Research (International- 0399-0559); June 2020.
2. "Imperfect production supply chain model considering price-sensitive demand and quantity discounts under free distribution approach" in RAIRO - Operations Research (International- 0399-0559); June 2020.
3. "A neoteric approach to geometric shipment policy in an integrated supply chain with setup cost reduction and freight cost using service level constraint" in RAIRO - Operations Research (International- 0399-0559); March 2020.

**Dr. P. Muthukumar**

1. "Infinite horizon optimal control of mean-field type stochastic partial differential equation with Poisson jumps", Malaya Journal of Matematik, Vol. 7, No. 4, 852-857, 2019.
2. "Infinite horizon mean-field type forward backward stochastic delay differential game with Poisson jump processes", Malaya Journal of Matematik, Vol. 7, No. 4, 841-847, 2019.
3. "Stochastic maximum principle for mean field type singular optimal control problem with discounted cost" in International Journal of Computational Systems Engineering (International- 2046-3391); Vol. 5(4), pp. 235-242, August 2019.

  
**REGISTRAR**

### Dr. G. Nagamani

1. "Robust state estimation for fractional-order delayed BAM neural networks via LMI approach" in Journal of The Franklin Institute (International- 0016-0032); Vol. 357(8), pp. 4964-4982, April 2020.
2. "Robust event-triggered reliable control for TS fuzzy uncertain systems via weighted based inequality" in Information Sciences (International- 0020-0255); Vol. 512, pp. 31-49, February 2020.
3. "State-Feedback Filtering for Delayed Discrete-Time Complex-Valued Neural Networks" in IEEE Transactions on Neural Networks and Learning Systems (International- 2162-237X); January 2020.
4. "A linear matrix inequality-based extended dissipativity criteria for linear systems with additive time-varying delays" in IFAC Journal of Systems and Control (International- 2468-6018); Vol. 10, pp. 100070, December 2019.
5. "Observer-based exponential stabilization for time-delay systems via augmented weighted integral inequality" in Journal of the Franklin Institute (International- 0016-0032); Vol. 356(16), pp. 9023-9042, November 2019.
6. "Robust extended dissipativity analysis for Markovian jump discrete-time delayed stochastic singular neural networks" in Neural Computing and Applications (International- 1433-3058); Vol. 32, pp.9699-9712, September 2019.

### PAPERS IN NATIONAL / INTERNATIONAL CONFERENCE PROCEEDINGS

#### Dr. G. Nagamani

1. "Exponential Stability Analysis for Time Delay system with State feedback control via new integral Inequality" in International Conference on Current Scenario in Pure and Applied Mathematics of Innovations in Science and Technology for Societal Development (International); January 2020.
2. "Robust  $H^\infty$  Based State Estimation for Discrete-time Neural Networks with Time-varying Delay" in International Conference on Current Scenario in Pure and Applied Mathematics of Innovations in Science and Technology for Societal Development (International); January 2020.
3. "Observer Based Sliding Mode Control for Discrete-time Networked Control Systems" in International conference on Impact of innovations in Science and Technology for Societal Development (International); September 2019.
4. "Stability Analysis for Uncertain Systems with  $L_2$ - $L^\infty$  Control via Relaxed Based Integral Inequality" in International conference on Impact of innovations in Science and Technology for Societal Development (International); September 2019.
5. "Extended Dissipativity based State Estimation for Discrete-time Neural Networks with time-varying delay" in International conference on Impact of innovations in Science and Technology for Societal Development (International); September 2019.

### CHAPTERS PUBLISHED

#### Dr. G. Mahadevan

1. "General Characterization of Atmost twin outer perfect domination number and coloring of graphs" in the book Advances in Intelligent Systems and Computing published by Springer Nature and FAI Publication (International); 2020.
2. "Exploration of the Possible Benifitions for the Complementary Perfect Matching Models with Applications" in the book New Trends in Computational Vision and Bio-inspired Computing published by Springer Nature Switzerland AG (International); 2020.
3. "Interrogation for Modernistic Conceptualization of Complementary Perfect Hop Domination Number with Various Grid Models" in the book New Trends in Computational Vision and Bio-inspired Computing published by Springer Nature Switzerland AG (International); 2020.
4. "Mathematical Modeling to Find the Potential Number of Ways to Distribute Certain Things to Certain Places in Medical Field" in the book Mathematical Modeling and Soft Computing in Ebidemiology published by Taylor and Francis Group, USA (International); 2020.

5. "Application of Eternal Domination in Ebidemiology" in the book Mathematical Modeling and Soft Computing in Ebidemiology published by Taylor and Francis Group, USA (International); 2020.
6. "Creating a Pond Network to Reduce the Water Scarcity and other Issues Using Domination Parameter" in the book Environmental Pollution and Climate Change published by Discovery Publishing House Pvt. Ltd., New Delhi, India(National); 2020.

### TALKS DELIVERED

#### Dr. P. Balasubramaniam

1. Delivered a talk on Mathematical Aspects of Neural Networks in the International Conference on Mathematical Modeling and Computational Intelligence at Alagappa University, Karaikudi, India on September 2019.
2. Delivered a talk on Application of Neural Network and Digital Processing in the Invited Talk at Government Arts College, Kumbakonam on July 2019.

#### Dr. G. Mahadevan

1. Delivered a talk on Fundamental Concepts of Graph Theory in the National Level Webinar on Recent Trends in Graph Theory at Pioneer Kumaraswamy College, Nagercoil on June 2020.
2. Delivered a talk on Application of Graphs in Network in the State Level Webinar on Graph Theory Fundamentals and Applications at Sri Ramakrishna College of Arts and Science, Coimbatore on May 2020.
3. Delivered a talk on Application of Graphs in Communication Channels in the State Level Webinar on Concepts of Graphs at Annai Women's College, Karur on May 2020.
4. Delivered a talk on Recent Innovation of Many Domination Parameters in Communication Channels in the International Level Webinar on Recent Advances in Graph Theory at Alagappa University, Karaikudi on May 2020.

#### Dr. P. Muthukumar

1. Delivered a talk on Qualitative Analysis of Differential Equations in the Webinar Programme at Department of Mathematics, G.T.N. Arts College, Dindigul on 21<sup>st</sup> May 2020.
2. Delivered a talk on Glimpses of Stochastic Differential Equations in the Mathematics Colloquium Department of Mathematics, Central University of Kerala, Kasaragod - 671320, Kerala on 17<sup>th</sup> January 2020.
3. Delivered a talk on Dynamical Systems with Applications using Python in the one day State Level Seminar on "Applications of Python & Enlightenment of e-Content" at Department of Mathematics, G.T.N. Arts College (Autonomous), Dindigul on 26<sup>th</sup> September 2019.

#### Dr. R. Rajkumar

1. Delivered a talk on Graph theoretic approaches in algebra in the International Conference on Mathematical Modelling and Scientific Computing (ICMMSC 2020) at The Gandhigram Rural Institute (Deemed to be University) Gandhigram on February 2020.

#### Dr. G. Nagamani

1. Delivered a talk on Introduction to Neural Networks in the General Lecture at CGANT Research Group, The University of Jember, Indonesia on December 2019.
2. Delivered a talk on Innovative Research in Passivity Analysis, Neural Networks, Control Theory and Fractional Calculus in the General Lecture at Faculty of Teacher Training and Education, The University of Jember, Indonesia on November 2019.
3. Delivered a talk on Fundamental of real Analysis and Complex Analysis in the Invited Talk at Constituent College of Periyar University, Idappadi, Salem on August 2019.

### Dr. M. Suresh Kumar

1. Delivered a talk on Derivatives in the Complex Plane and CR Equations in the Workshop on Complex Analysis at Loyola College, Chennai on February 2020.
2. Delivered a talk on An Introduction to Iterated Functions Systems in the Invited Talk at Sadakathullah Appa College, Palayamkottai on August 2019.

### EXTENSION ACTIVITIES

1. Dr. G. Nagamani has monitored Village Placement Programme was organized at Kottaiattiduring 23-28 September 2019.

### VISITORS TO THE DEPARTMENT

| Name of the Visitor       | Designation and Affiliation   | Purpose                     | Month and Year of Visit                        |
|---------------------------|---|-----------------------------|--|
| Dr. R. Saravanakumar      | Graduate School of Engineering, Hiroshima University, Japan.  | Seminar / CSIR NET Coaching | 16.07.2019                                     |
| Dr. T. Parthasarathy      | 1, 43 <sup>rd</sup> street, Nanganallur, Chennai.   | Seminar / CSIR NET Coaching | 07.08.2019                                     |
| Dr. P. Sivakumara         | Professor, Dept. of Computer Systems & Technology, University of Malaya, Malaysia.  | Seminar / CSIR NET Coaching | 12.09.2019                                     |
| DR. K. Karuppiah          | Assistant Professor, Department of Mathematics, Government college of Engineering, Theni.   | Seminar / CSIR NET Coaching | 18.10.2019, 20.10.2019, 21.10.2019, 22.10.2019 |
| Dr. R. Roopkumar          | Associate Professor, Department of Mathematics and Computer Science, Central University of Tamil Nadu, Neelakudi, Thiruvarur.                                   | Seminar / CSIR NET Coaching | 07.11.2019, 08.11.2019                         |
| Prof. T. Amaranath        | UGC-SAP(DSA-I) Nominee, School of Mathematics & Statistics, University of Hyderabad, Hyderabad  | Seminar / CSIR NET Coaching | 24.11.2019                                     |
| Prof. Dr. K. Balachandran | UGC-SAP (DSA-I) –Nominee, UGC-BSR Faculty Fellow, Bharathiar University, Coimbatore.  | Seminar / CSIR NET Coaching | 25.11.2019                                     |
| Dr. R. Gnanaprakasam      | (CSIR –NET Coacher) Lecturer, Department of Basic Engineering, Tamilnadu Polytechnic College, Madurai – 625 011   | Seminar / CSIR NET Coaching | 02.12.2019, 03.12.2019, 07.12.2019             |
| Dr. K.Karuppiah           | (CSIR –NET Coacher) Assistant Professor in Mathematics, Department of Science & Humanities, Government College of Engineering, Bodinayakannur 625582, Theni Dt. | CSIR NET Coaching           | 08.12.2019                                     |
| Dr. V.P. Ananthi          | Assistant Professor, Department of Mathematics, Gobi Arts & Science College, Gobichettipalayam.   | Seminar / CSIR NET Coaching | 14.12.2019                                     |
| Dr. T.Sathiyaraj          | Post-Doctoral Research Fellow, Department of Mathematics, Guizhou University, Guiyang -530025, P.R. China.  | Seminar / CSIR NET Coaching | 31.12.2019                                     |
| Dr. V.P. Ananthi          | Assistant Professor, Department of Mathematics, Gobi Arts & Science College, Gobichettipalayam.   | Seminar / CSIR NET Coaching | 11.01.2020                                     |

|                             |  |   |            |
|-----------------------------|--|---|------------|
| Dr. T. Sathiyaraj           | Post-Doctoral Research Fellow,<br>Department of Mathematics,<br>Guizhou University, Guiyang -530025,<br>P.R. China.                            | Seminar / CSIR NET<br>Coaching  | 14.01.2020 |
| Dr. V. Ravichandran         | Professor,<br>Department of Mathematics,<br>NIT-Trichy, Thiruchinapalli.   | Seminar / CSIR NET<br>Coaching  | 04.02.2020 |
| Dr. K. Murugesan            | Professor (HAG),<br>Department of Mathematics,<br>NIT-Trichy, Thiruchinapalli.   | Seminar / CSIR NET<br>Coaching  | 04.02.2020 |
| Dr. Rajeswari Sashadri      | Professor,<br>Department of Mathematics,<br>Pondicherry University, Pondicherry.   | Seminar / CSIR NET<br>Coaching  | 05.02.2020 |
| Dr. R. Krishnasamy          | Assistant Professor,<br>Department of Applied Mathematics, &<br>Computational Sciences, PSG College of<br>Technology, Coimbatore-04.           | Seminar / CSIR NET<br>Coaching  | 05.02.2020 |
| Dr. R. Sakthivel,           | Professor,<br>Dept. of Mathematics,<br>Bharathiar University, Coimbatore.  | Seminar / CSIR NET<br>Coaching  | 08.02.2020 |
| Dr. B. Mayivaganan          | Professor & Head,<br>Department of Applied Mathematics<br>& Statistics<br>Madurai Kamaraj University, Madurai                                  | Seminar / CSIR NET<br>Coaching  | 11.02.2020 |
| Dr. S. Muralisankar         | Professor,<br>School of Mathematics,<br>M.K. University, Madurai.  | Seminar / CSIR NET<br>Coaching  | 12.02.2020 |
| Dr. P. Sivakumara           | Professor,<br>Dept. of Computer Systems & Technology,<br>University of Malaya, Malaysia.   | Seminar / CSIR NET<br>Coaching  | 13.02.2020 |
| Dr. T. Sathiyaraj           | Post-Doctoral Research Fellow,<br>Department of Mathematics,<br>Guizhou University, Guiyang -530025, P.R.<br>China.                            | Seminar / CSIR NET<br>Coaching  | 15.02.2020 |
| Dr. P. Raveendran           | Professor,<br>School of Information Technology, Faculty of<br>Business and Information Science, UCSI<br>University, Kuala Lumpur, Malaysia.    | Seminar / CSIR NET<br>Coaching  | 21.02.2020 |
| Dr. S. Somasundaram         | Rtd. Department of Computer Science &<br>Applications, GRI, Karumatur, Gobi.   | Seminar / CSIR NET<br>Coaching  | 29.02.2020 |
| Dr. Kurunathan<br>Ratnavelu | Professor,<br>Institute of Mathematical Sciences,<br>Faculty of Science, University of Malaya,<br>50603 Kuala Lumpur, Malaysia.                | Resource Person of<br>an International<br>Conference –<br>ICMMSC-2020 | 19.02.2020 |
| Dr. Er. MengJoo             | Professor,<br>School of Electrical and Electronic<br>Engineering, Nanyang Technological<br>University, Singapore.                              | Resource Person of<br>an International<br>Conference –<br>ICMMSC      | 19.02.2020 |
| Dr. P. Raveendran           | Professor,<br>School of Information Technology,<br>Faculty of Business and Information<br>Science, UCSI University,<br>Kuala Lumpur, Malaysia. | Resource Person of<br>an International<br>Conference –<br>ICMMSC      | 19.02.2020 |
| Dr. Chee PinTan             | Associate Professor,<br>Head of Discipline (Mechatronics<br>Engineering), School of Engineering,<br>Monash University, Malaysia.               | Resource Person of<br>an International<br>Conference –<br>ICMMSC      | 19.02.2020 |

|                                 |   |  |                            |
|---------------------------------|---|--|----------------------------|
| Dr. SanjeewaPerera              | Senior Lecturer in Mathematics,<br>Mathematical Modeling Research ,Group,<br>Research & Development Centre for<br>Mathematical Modeling<br>Department of Mathematics,<br>Faculty of Science, University of Colombo,<br>Colombo 03, SRI LANKA. | Resource Person of<br>an International<br>Conference –<br>ICMMSC | 20.02.2020                 |
| Dr. S. Somasundaram             | Rtd. Department of Computer Science &<br>Applications, GRI, Karumatur, Gobi.  | Resource Person of<br>an International<br>Conference –<br>ICMMSC | 20.02.2020 &<br>21.02.2020 |
| Dr. ThiliniPiyatilake           | Lecturer (Transitional)<br>Department of Computational, Mathematics<br>University of Moratuwa,Sri Lanka.  | Resource Person of<br>an International<br>Conference –<br>ICMMSC | 20.02.2020                 |
| Dr. R. Saravanakumar            | Graduate School of Engineering ,<br>Hiroshima University, Japan.  | Resource Person of<br>an International<br>Conference –<br>ICMMSC | 20.02.2020                 |
| Dr. T. Sathyaraj                | Post-Doctoral Research Fellow,<br>Department of Mathematics,<br>Guizhou University, Guiyang-530025, P.R.<br>China.  | Resource Person of<br>an International<br>Conference –<br>ICMMSC | 20.02.2020                 |
| Dr. T. Kalaiselvi               | Assistant Professor,<br>Department of Computer Science &<br>Application,GRI-DTBU.   | Resource Person of<br>an International<br>Conference –<br>ICMMSC | 20.02.2020                 |
| Dr. Sasi Gopalan                | Professor,<br>Department of Mathematics,<br>Cochin University of Scienceand,<br>Technology, Cochin, Kerala.   | Resource Person of<br>an International<br>Conference –<br>ICMMSC | 21.02.2020                 |
| Prof. Dr. K. Balachandran       | UGC-BSR Faculty Fellow,<br>Bharathiar University, Coimbatore.   | Resource Person of<br>an International<br>Conference –<br>ICMMSC | 21.02.2020                 |
| Prof. Dr. R.Sakthivel           | Department of Applied Mathematics,<br>Bharathiar University,<br>Coimbatore.   | Resource Person of<br>an International<br>Conference –<br>ICMMSC | 21.02.2020                 |
| Prof. Dr. S. Marshal<br>Anthoni | Associate Professor & Head,<br>Department of Science & Humanities, Anna<br>University Regional Centre,<br>Coimbatore- 641 047.  | Resource Person of<br>an International<br>Conference –<br>ICMMSC | 21.02.2020                 |

### STUDENTS / SCHOLARS QUALIFIED IN CSIR-JRF / NET / SET / GATE / TET / TNPSC / UPSC etc., EXAMINATIONS

| Name of the Student /<br>Scholar | Programme<br>of Study | Name of the Examination<br>Qualified                                   | Name of the<br>Board<br>Conducted<br>the<br>Examination | Month & Year<br>of Passing |
|----------------------------------|-----------------------|--|---|----------------------------|
| S. Tharani                       | SRF                   | CSIR Direct SRF & RA for Year<br>2019-2020 (Ack. No.<br>151038/2K19/1) | CSIR  | January 2020               |

  
**REGISTRAR**  
 Gandhigram Rural Institute  
 (Deemed to be University)  
 Gandhigram - 624 302.  
 Dindigul Dist, Tamilnadu.

## Department of Physics

### PROFILE

The Department of Physics is DST- FIST supported. It is one of the oldest Departments of the Gandhigram Rural Institute, established in the year 1965. From the inception, the Department has been working for the development of the rural populace by imparting higher level education and job oriented (skill based) training programs for the sustenance of their livelihood. Further the Department has highly enriched scholarly faculties working in frontiers of physical sciences specifically the macro materials (polymer nano composites, bionano composite, semiconducting composites) down to nano materials like nano structures, actuators, nano sensors and also concentrating research on energy storage devices such as supercapacitor, batteries and fuel cells.



### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme                      | Year of Introduction |
|-------|--------------------------------|----------------------|
| 1     | Ph.D.- Full Time and Part Time | 1993                 |
| 2     | M.Phil                         | 2009                 |
| 3     | M.Sc. Physics                  | 1987                 |
| 4     | B.Sc. B.Ed. (Int) Physics      | 2018                 |
| 5     | B.Sc. Physics                  | 1965                 |

### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty | Designation         |
|-------|---------------------|---------------------|
| 1.    | Dr .G. Muralidharan | Professor           |
| 2.    | Dr. K. Jayakumar    | Professor           |
| 3.    | Dr. P. Subramanian  | Professor           |
| 4.    | Dr. M. Sivaraman    | Professor and Head  |
| 5.    | Dr. P.Vickraman     | Professor           |
| 6.    | Dr. S. Arumugam     | Professor           |
| 7.    | Dr.S. Aripnammal    | Professor           |
| 8.    | Dr. K. Marimuthu    | Assistant Professor |
| 9.    | Dr. P. Nithianathi  | Assistant Professor |
| 10.   | Dr. C. Rajamohan    | Assistant Professor |



**REGISTRAR**  
 Gandhigram Rural Institute  
 (Deemed to be University)  
 Gandhigram - 624302  
 Dindigul Dist, Tamilnadu.

## THRUST AREAS OF RESEARCH

- ❖ Luminescence (UV/Vis; PL)
- ❖ Energy Storage Devices (Supercapacitor; Batteries; Fuel cells)
- ❖ Nanostructured Materials (Nano composites; Bio composites; Polymer)
- ❖ Electron Paramagnetic Resonance
- ❖ Plasma Physics
- ❖ Solar Energy
- ❖ Thin Films
- ❖ High Pressure and Low Temperature Physics
- ❖ Solar Cells

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

### Dr.K.Marimuthu

1. Organized a "National Workshop on Advanced Materials and their Applications (NWAMA - 2020)" funded by UGC at GRI, Gandhigram from 03-04 February 2020.

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

### Dr. G. Muralidharan

1. Presented a Paper Titled "Influence of hydrothermal duration on electrochemical performance of manganese sulphide nanoparticles" in the National Conference on Energy Science and Technology Organized by M. Tech Energy Technology and M.Sc Energy science, Periyar University, Salem on 04 March 2020.
2. Presented a Paper Titled "Copper Incorporated Nickel Sulphide on Ni-Foam: Binder-Free Electrode for High Performance Supercapacitors" in the National Symposium on 64<sup>th</sup> DAE Solid State Physics Symposium (DAE SSPTS 2019) Organized by Bhabha Atomic Research centre, Mumbai at Indian Institute of Technology Jodhpur, Rajasthan, India from 18-22 December 2019.
3. Presented a Paper Titled "Azadirachta indica (Neem) tree bark based activated carbon for electrochemical supercapacitor" in the National Symposium on 64<sup>th</sup> DAE Solid State Physics Symposium (DAE SSPTS 2019) Organized by Bhabha Atomic Research centre, Mumbai at Indian Institute of Technology Jodhpur, Rajasthan, India from 18-22 December 2019.

### Dr. S. Aripnammal

1. Participated in the "National Workshop on XRD and its applications (NWXA-2019)" Organized by SPIE. Student Chapter, Department of Physics, The Gandhigram Rural Institute (Deemed to be University), Gandhigram on 25 July 2019.
2. Presented a Paper Titled "Structural and Spectroscopic Investigations on Cobalt Sulphate" in the International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2019) organized by Department of Mechanical Engineering, KLE Dr. M.S. Sheshgiri College of Engineering and Technology (AICTE sponsored) from 12-14 September 2019.
3. Participated in the National Workshop on Advanced Materials and their Applications (NWAMA-2020) Organized by Department of Physics, The Gandhigram Rural Institute (Deemed to be University) from 03-04 February 2020.
4. Presented a Paper Titled "Crystallographic Structural studies on Chalcogenides Tin Sulphide (SnS)" in the International Conference on Advanced Materials (ICAM- 2020) organized by PG and Research Department of Physics, Arul Anandar College (Autonomous), Karumathur, Madurai District, Tamil Nadu (Under UGC autonomous Grant) from 11-12 February 2020.
5. Presented a Paper Titled "Energy gap study on Chalcogenides Tin Sulphide (SnS)" in the International Conference on Advanced Materials ( ICAM- 2020) organized by PG and Research Department of Physics, Arul Anandar College (Autonomous), Karumathur, Madurai District, Tamil Nadu (Under UGC autonomous Grant) from 11-12 February 2020.
6. Presented a Paper Titled "Photoluminescence study on Chalcogenide Tin Sulphide ( SnS)" in the International Conference on Advanced Materials (ICAM- 2020) organized by PG and Research Department of Physics, Arul Anandar College (Autonomous), Karumathur, Madurai District, Tamil Nadu (Under UGC autonomous Grant) from 11-12 February 2020.

7. Participated in the National Level Online Course on Energy Conservation organized by Department of Physics, Sri Kailash Women's College, Thalaivasal, Salem from 27-29 April 2020.
8. Participated in the National Level Online Course on Elemental Arts: Evolution of Modern Periodic Table Organized by Department of Science and Humanities (Chemistry), Sri Krishna College of Engineering and Technology, Coimbatore from 01-02 May 2020.
9. Participated in the International Virtual Conference on Advanced Materials for Energy and Environmental Applications ( ICAMEEA -2020 ) Organized by International Relationship Centre, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India Nanocat University of Malaya Materials Research Society of India, Trichy Chapter from 26-27 June 2020.

**Dr. P. Nithiananthi**

1. Participated in the National workshop on Advanced Materials and their Applications (NWAMA-2020) organized by Department of Physics, The Gandhigram Rural Institute (Deemed to be University) from 03-04 February 2020.

**Dr. C. Raja Mohan**

1. Participated in the National workshop on Advanced Materials and their Applications (NWAMA-2020) organized by Department of Physics, The Gandhigram Rural Institute (Deemed to be University) from 03-04 February 2020.

**PUBLICATIONS**

**PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Refereed Journals as notified by UGC)**

**Dr. G. Muralidharan**

1. "Lithium ferrite ( $\alpha$ -LiFe<sub>5</sub>O<sub>8</sub>) nanorod based battery-type asymmetric supercapacitor with NiO nanoflakes as the counter electrode" in New Journal of Chemistry (International, ISSN: 1144-0546), Vol.43(38), pp. 15375-15388, Sept. 2019.
2. "Polyethylene glycol-assisted growth of Ni<sub>3</sub>S<sub>4</sub> closely packed nanosheets on Ni-foam for enhanced supercapacitor device" in Journal of Solid State Electrochemistry (International, ISSN:1432-8488), Vol.23 (10), pp. 2937-2950, October 2019.
3. "CdS microspheres as promising electrode materials for high performance supercapacitors" in Materials Science in Semiconductor Processing (International, ISSN: 1369-8001), Vol.105 pp. 104677, January 2020.
4. "AgCoO<sub>2</sub>-Co<sub>3</sub>O<sub>4</sub>/CMC cloudy architecture as high performance electrodes for asymmetric supercapacitors", Chemelectrochem (International, ISSN: 2196-0216), Vol.7 pp. 535-545, January 2020.
5. "Derivation of activated carbon from tamarindus indica tree bark for supercapacitor applications" in AIP Conference Proceedings (International, ISSN:0094-243X), Vol.2115 (1), pp. 030540-1-4, July 2019.
6. "One step synthesis of ZrO<sub>2</sub> Microstructures for electrochemical capacitor applications", AIP Conference Proceedings (International, ISSN:0094-243X), Vol.2115 (1), pp. 030572-1-4, July 2019.
7. "Neem seed shell derived carbon: KOH activation towards symmetric supercapacitor applications", AIP Conference Proceedings (International, ISSN:0094-243X), Vol.2115 (1), pp. 030560-1-4, July 2019.

**Dr. K. Jayakumar**

1. "Magnetic field driven bound magnetic polaron with composition effect in semimagnetic triangular quantum well", Physica Scripta (International) Vol.94, 10 (2019).
2. "Investigations on structural, optical and ferromagnetic properties of Ni doped ZnO nanotwins", Materials Science in Semiconductor Processing (International) Vol.102, (2019)
3. "Impurity states with the effect of bound magnetic polaron in semimagnetic quantum ring", AIP Conference Proceedings (International, ISSN:0094-243X), Vol.2200 (2020).
4. "Performance of phototronically activated chitosan electrolyte in rare-earth doped Bi<sub>2</sub>Ti<sub>2</sub>O<sub>7</sub> nanostructure based DSSC", Material Letters (International) Vol.276 (2020).

**Dr. P. Vickraman**

1. "Microwave Synthesis of Zinc Ammonium Phosphate/Reduced Graphene Oxide", Physica Status Solidi A (International) Vol.217, 1900736 (2020).

**Dr. S. Aripnammal**

1. "Structural, Surface morphological and low temperature studies on Gadolinium tri chloride ( $GdCl_3$ )", *Materials Today: Proceedings (International, ISSN:2214-7853)*, July 2019.
2. "Structural, Spectroscopic and Magnetic studies on Copper Tartrate Crystals", *Z.Naturforsch. (DE GRUYTER) (International, ISSN: 0932-0784), Vol.74 (09A)*, pp. 813-819, September 2019.
3. "Structural and spectroscopic investigations on Cobalt Sulphate", *Materials Today: Proceedings (ELSEVIER) (International, ISSN:2214-7853) Vol.27 (2020)* pp.336-339, November 2019.

**Dr. K. Marimuthu**

1. "An investigation on physical, structural and gamma ray shielding features of  $Dy^{3+}$  ions doped Telluroborate glasses", *Journal of Non-Crystalline Solids (International, ISSN: 0022-3093) Vol.522*, pp.117594, July 2019.
2. "Judd-Ofelt analysis and NIR luminescence investigations on  $Er^{3+}$  ions doped  $B_2O_3-Bi_2O_3-Li_2O-K_2O$  glasses for photonic applications", *Physica B: Condensed Matter (International, ISSN: 0921-4526) Vol.572*, pp. 27-35, July 2019.
3. "Structural and spectroscopic investigations on  $Eu^{3+}$  ions doped boro-phosphate glasses for optical display applications", *Journal of Luminescence (International, ISSN: 0022-2313)*, Vol.220, pp.116964-116973, December 2019.
4. "Effect of  $Bi_2O_3$  on JO parameters and spectroscopic properties of  $Er^{3+}$  incorporated sodium fluoroborate glasses for amplifier applications", *Journal of Non-Crystalline Solids (International, ISSN: 0022-3093)*, Vol.532, pp.119891-119901, January 2020.
5. "Physical and structural effect of modifiers on Dysprosium ions incorporated boro-tellurite glasses for radiation shielding purposes", *Ceramics (International, ISSN: 0272-8842)*, Vol.46 pp. 17929-17937, April 2020.
6. "Structural, elastic, optical and  $\gamma$ -ray shielding behavior of  $Dy^{3+}$  ions doped heavy metal incorporated borate glasses", *Journal of Non-Crystalline Solids (International, ISSN: 0022-3093)*, Vol. 545, pp. 120269, June 2020.
7. "Luminescence Studies on  $Eu^{3+}$  ions doped Telluroborate Glasses for Photonic Applications", *AIP Conference Proceedings (International, ISSN:0094-243X)*, Vol.2115, pp. 030267 July 2019.
8. "Physical, Structural and Optical Studies on  $Er^{3+}$  ions doped Zinc Bismuth Borate Glasses for Photonic Applications", *AIP Conference Proceedings (International, ISSN: 0094-243X)*, Vol.2115, pp.030249 July 2019.
9. "Spectroscopic Studies On  $Sm^{3+}:Tb^{3+}$  Codoped Aluminium Borotellurite Glasses for White Light Applications", *AIP Conference Proceedings (International, ISSN: 0094-243X)*, Vol.2115, pp. 030244 July 2019.
10. "Spectroscopic Investigations on  $Sm^{3+}$  ions Doped Zinc Telluro-borate Glasses for Laser Applications", *AIP Conference Proceedings (International, ISSN: 0094-243X)*, Vol.2115, pp. 030239 July 2019.

**Dr. P. Nithiananthi**

1. "Hartree-Fock approximation for Exciton Mott transition in double quantum well: Direct and Indirect exciton diamagnetism", *Physica E (International, ISSN: 1386-9477)*, Vol.119, pp.114008-1-7, May 2020.
2. "Effect of confining potential on the exciton stability at various locations in a parabolic and square quantum ring", *Physica Scripta (International, ISSN: 1402-4896)*, Vol.95, pp. 055102-1-11, Feb 2020.
3. "TiO<sub>2</sub>/Graphene Quantum Dots core-shell based photo anodes with TTIP treatment- A perspective way of enhancing the short circuit current", *Solar Energy Materials and Solar Cells (International, ISSN: 0927-0248)*, Vol.205, pp. 110239-1-11, February 2020.
4. "Influence of electric field on direct and indirect exciton in a concentrically coupled quantum ring heterostructure embedded in SiO<sub>2</sub> matrix", *Superlattices and Microstructures (International, ISSN: 0749-6036)*, Vol.137, pp. 106334-1-10, January 2020.
5. "Estimation of dimensional criticality for direct to indirect exciton transition in a double Quantum Well: Through exciton diamagnetism", *Materials Today Communications (International, ISSN: 2352-4928)*, Vol.21, pp.100725-1-4, December 2019.
6. "Indirect to direct exciton transition by laser irradiance in a type II core/ shell quantum dot", *Materials Science in Semiconductor Processing (International, ISSN: 1369-8001)*, Vol.103, pp. 104617-1-5, November 2019.

7. "Enhancing the power conversion efficiency of SrTiO<sub>3</sub>/CdS/Bi<sub>2</sub>S<sub>3</sub> quantum dot based solar cell using phosphor", Applied Surface Science (International, ISSN: 0169-4332), Vol.494, pp. 551-560, November 2019.
8. "Oscillator strength and carrier dynamics in type I and inverted type I spherical core/ shell nanostructures under external laser field", Superlattices and Microstructures (International, ISSN: 0749-6036), Vol.135, pp.10628-1-11, November 2019.
9. "Polaronic effects on direct and indirect excitons in a ZnSe/MgS double quantum well", AIP Conference Proceedings (International, ISSN: 0094-243X), Vol.2115, 030084-1-4, July 2019.
10. "Dynamics of bound magnetic polaron in Cd<sub>1-x</sub>MnxTe/ CdTe core/ shell nanostructure", AIP Conference Proceedings (International, ISSN: 0094-243X), Vol.2115, 030455-1-4, July 2019.
11. "Performance of TiO<sub>2</sub>/CdS/Bi<sub>2</sub>S<sub>3</sub> heterostructure based semiconductor sensitized solar cell", AIP Conference Proceedings (International, ISSN: 0094-243X), Vol.2115, 030557-1-4, July 2019.

#### **Dr. C. Raja Mohan**

1. "Influence of La on nano titanium dioxide (TiO<sub>2</sub>) based solar cell", Materials Today: Proceedings (International, ISSN:2214-7853), July 2019.
2. Copper doped titanium dioxide for enhancing the photovoltaic behavior in solar cell, Materials Today: Proceedings (International, ISSN:2214-7853), July 2019.
3. "Binary Semiconductor Metal Oxide as Photoanodes", Interfacial Engineering in Functional Materials for Dye Sensitized Solar Cells (International), pp.163-192, December 2019.

### **PAPERS IN NATIONAL / INTERNATIONAL CONFERENCE PROCEEDINGS**

#### **Dr. K. Marimuthu**

1. "Enhanced luminescence properties of Er<sup>3+</sup>/Yb<sup>3+</sup> doped Zinc tellurofluoroborate Glasses for 1.5 μm optical Amplification" in 64<sup>th</sup> DAE–Solid State Physics Symposium (National), BRNS, DAE & IIT Jodhpur, Rajasthan.
2. "Effect of Codopant (Tb<sup>3+</sup>, Eu<sup>3+</sup>) on White Light Emission of Dy<sup>3+</sup> Doped Boro-tellurite Glasses", in 64<sup>th</sup> DAE –Solid State Physics Symposium (National), BRNS, DAE & IIT Jodhpur, Rajasthan.

#### **Dr. P. Nithiananthi**

1. "Magnetization of Donor in Reversed Type I Core Shell Nanostructures", in 64<sup>th</sup> DAE –Solid State Physics Symposium (National), BRNS, DAE & IIT Jodhpur, Rajasthan, December 2019.
2. "Carrier Dynamics in Quantum Ring in a Quantum Well: Magnetic Field and Non- Parabolicity Effects" in 64<sup>th</sup> DAE –Solid State Physics Symposium (National), BRNS, DAE & IIT Jodhpur, Rajasthan, December 2019.
3. "Stability of indirect and direct excitons through diamagnetic susceptibility in a concentric double quantum ring structure", in 64<sup>th</sup> DAE –Solid State Physics Symposium (National), BRNS, DAE & IIT Jodhpur, Rajasthan, December 2019.

#### **Dr. C. Raja Mohan**

1. "Thermal studies on Chitosan dissolved in different acids", in International conference on Advanced Materials (ICAM-2020) (International), Arul Anandar College (Autonomous), Karumathur, February 2020.
2. "Resistivity and Polarizability on the Chitosan based polymer electrolyte: Citric and tartaric acids", National Conference on New Generation materials for Energy Applications, B.S. Abdur Rahman University, October 2019.
3. "Increasing the power conversion efficiency of Sb incorporated TiO<sub>2</sub> nanoparticles for DSSC applications", in International conference on Advanced Materials (ICAM-2020), Arul Anandar College (Autonomous), Karumathur, February 2020.
4. "Photo Voltaic behavior of Sb doped TiO<sub>2</sub> Nanoparticles", National Conference on Energy science and Technology (NCEST'2020), Periyar University, Salem-11, March 2020.
5. "Optical, electrical and thermodynamical properties of Chitosan doped with different rare earth oxides", Indian Chitin Chitosan Society Symposium (National), Institute of Chemical Technology, Mumbai, September 2019.
6. "Preparation and Characterization of SrTiO<sub>3</sub>:TiO<sub>2</sub> Nanostructure Synthesized by Co-Precipitation method", in International conference on Advanced Materials (ICAM-2020), Arul Anandar College (Autonomous), Karumathur, February 2020.

- "Optical studies on SrTiO<sub>3</sub>:TiO<sub>2</sub> Nanostructure Prepared by Co-Precipitation method", National Conference on Energy science and Technology (NCEST'2020), Periyar University, Salem-11, March 2020.
- "Synthesis and Characterization of Mn and Ti co-doped BiFeO<sub>3</sub> nanoparticles", International Conference on Advanced Materials (ICAN 2020), Arul Anandar College (Autonomous), Karumathur, February 2020.
- "Synthesis and Characterization of rare earth doped TiO<sub>2</sub> nanoparticles", National Conference on Recent Trends on Chemistry of Materials (NCRTCM-2019), Bannari Amman Institute of Technology-638401, October 2019.

## CHAPTERS PUBLISHED

### Dr. C. Raja Mohan

- "Binary Semiconductor Metal Oxide as Photoanodes" in the book of "Interfacial Engineering in Functional Materials for Dye Sensitized Solar Cells" published by John Wiley & Sons, Inc. (International, ISBN: 978-1-119-55739-5), pp. 163-192, December 2019.

## TALKS DELIVERED

### Dr. G. Muralidharan

- Delivered a talk on "Supercapacitors: New Age Energy Storage Devices" in the Webinar on Supercapacitors: New Age Energy Storage Devices at Ayya Nadar Janaki Ammal College, Sivakasi on 19 May 2020.
- Delivered a talk on "Advance in material science" in the One day state level seminar on materials science at St. Antony's college of Arts and Science, Dindigul on 04 October 2019.

### Dr. S. Aripnammal

- Delivered a talk on "Role of Physics in Medical Field" at NPR Arts and Science College, Natham, Dindigul on 06 February 2020.

### Dr. K. Marimuthu

- Delivered a talk on "Rare earth doped glasses and its Applications-An over view" in the National Conference on Research in Recent Scenario'19 (NCRRS'19) Organised by Department of Science and Humanities, R.V.S. Educational Trust's Group of Institutions, Dindigul, Tamilnadu on February 2020.
- Delivered a talk on "Rare earth doped glasses and its Applications-An over view" in One day state level seminar Organized by Cardamom Planters Association college, Bodinayakanur, Tamilnadu at March 2020.

### Dr. P. Nithiananthi

- Delivered a talk on "Nanoheterostructures: Properties and Applications" in International Conference on Recent Innovations in Nanoscience and Technology (ICRINT-2020) at Arulmighu Palaniyandavar Arts College for Women, Palani at January 2020.

## EXTENSION ACTIVITIES

- Village Placement Programme was organized at Chettiapatty from 23-28 September 2019.
- Field visit was organized at Gandhigram, Dindigul from July to December 2019.
- Field visit was organized at Gandhigram, Dindigul from December to March 2020.

## STUDENTS/ SCHOLARS ON EXCHANGE VISITS

| Name of the Students/ Scholar   | Programme of Study                    | Country Visited | Institution Visited                       | Nature of Visit      | Duration of Visit | Period of Visit |             | Sponsoring Agency  |
|---------------------------------|---------------------------------------|-----------------|---|----------------------|-------------------|-----------------|-------------|--|
|                                 |                                       |                 |   |                      |                   | From            | To          |  |
| Mr. I. John Peter, Ph.D Scholar | Taiwan Experience Education Programme | Taiwan          | National Changhua University of Education | Internship programme | 4 months          | 30 Oct. 2019    | 29 Feb 2020 | Office of International and cross strait affairs, Taiwan |

## Department of Chemistry

### PROFILE

The Department of Chemistry is offering B.Sc., B.Sc. B.Ed., M.Sc., M.Phil. and Ph.D. in Chemistry academic programmes. The thrust areas of research are includes Nanomaterials, Electrochemical sensors, Synthetic Organic Chemistry, Environmental Chemistry, Coordination Chemistry, Corrosion Inhibitors etc. The Department has also undertaken many research projects funded by DST, DBT, CSIR, UGC and DRDO. The faculty members of this Department have published over 800 Research papers in both International and National Journals. The h-index of the department is 62.



### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme                  | Year of Introduction |
|-------|----------------------------|----------------------|
| 1.    | Ph.D.                      | 1989                 |
| 2.    | M.Phil. in Chemistry       | 2007                 |
| 3.    | M.Sc. Chemistry            | 1987                 |
| 4.    | B.Sc.B.Ed. (Int) Chemistry | 2018                 |
| 5.    | B.Sc. Chemistry            | 1976                 |

### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty      | Designation         |
|-------|--------------------------|---------------------|
| 1.    | Dr. M. Sundaravadivelu   | Professor           |
| 2.    | Dr. M. G. Sethuraman     | Professor           |
| 3.    | Dr. S. Meenakshi         | Professor           |
| 4.    | Dr. Anitha Pius          | Professor & Head    |
| 5.    | Dr. K. P. Elango         | Professor           |
| 6.    | Dr. S. Ramesh            | Professor           |
| 7.    | Dr. S. Abraham John      | Professor           |
| 8.    | Dr. K. K. Satheeshkumar  | Assistant Professor |
| 9.    | Dr. P. Kalimuthu         | Assistant Professor |
| 10.   | Dr. M. Seenivasa Perumal | Assistant Professor |
| 11.   | Dr. M. Arunachalam       | Assistant Professor |

## THRUST AREAS OF RESEARCH

- ❖ Surface Protection Strategies
- ❖ Natural Products Chemistry
- ❖ Superhydrophobic and Sol-Gel coatings
- ❖ Nano Chemistry and Nanocomposites
- ❖ Environmental Chemistry
- ❖ Polymer Composites
- ❖ Food Chemistry
- ❖ Bioavailability – in vitro studies
- ❖ Photodegradation of pollutants
- ❖ Environmental studies and Waste water treatment
- ❖ Corrosion Inhibition
- ❖ Dye Sensitized Solar Cells
- ❖ Synthetic Organic Chemistry
- ❖ Supramolecular Chemistry

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

### Dr. M. G. Sethuraman

1. Organized an International Webinar on Materials for Energy, Environment and Health Care Applications funded by GRI from 21<sup>st</sup> May 2020 to 22<sup>nd</sup> May 2020 at GRI.

### Dr. P. Kalimuthu

1. Organized an International Conference on Frontiers in Chemical and Material Sciences funded by SERB, New Delhi from 24<sup>th</sup> February 2020 to 25<sup>th</sup> February 2020 at GRI.

### Dr. M. Seenivasa perumal

1. Organized National Science Day celebrations on Women in science funded by GRI from 21-28<sup>th</sup> February 2020 at GRI.

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

### Dr. M. G. Sethuraman

1. Delivered an invited talk titled “Biological significance of Natural products” at the International conference on Dynamic approaches and Robust sources into the Evolving Role of Natural products as New drug leads organized by Nandha College of Pharmacy, Erode during 16-17<sup>th</sup> December 2019.
2. Delivered an invited talk titled “Towards more effective education: issues for planning and research” at the National workshop on societal responsibility for rural development: Role of Science Teachers organized by Manonmaniam sundaranar University, Tirunelveli, during 6-7<sup>th</sup> February 2020.
3. Delivered an invited talk titled “Quality Assessment tool in higher education” at the National Seminar on Quality sustenance and enhancement: Prospects for attaining global standards organized by Nirmala College for Women (Autonomous), Coimbatore, during 9-10<sup>th</sup> January 2020.
4. Delivered an invited talk titled “Modern Trends in Chemistry” at the National Seminar on National Seminar on Modern Trends in Chemistry (MTC-26) organized by Vivekanandha College, Tiruvedakam on 23<sup>rd</sup> December 2019.
5. Delivered an invited talk titled “Modern tools in Evaluation” at the National Seminar on Modern tools in Evaluation – A shift from Quantitative to Qualitative Techniques organized by CH.S.D.ST. Theresa’ College for Women, Eluru on 5<sup>th</sup> December 2019.
6. Delivered an invited talk titled “Outcome Based Education - Challenges” at the NAAC sponsored National Seminar on A Paradigm Shift to Outcome Based Higher Education organized by Sri. S.Ramasamy Naidu Memorial College, Virudhunagar on 13<sup>th</sup> December 2019.



**REGISTRAR**  
Gandhigram Rural Institute  
(Deemed to be University)  
Gandhigram - 624 302.  
Dindigul Dist, Tamilnadu.

7. Delivered an invited talk titled "Quality sustenance in Higher Education: Oppourtunities" at the National Seminar on Quality Enhancement and Sustenance in Higher Education: Challenges and Oppourtunities organized by Saiva Bhanu Kshatriya College, Aruppukottai on 20<sup>th</sup> July 2019.

**Dr. S. Meenakshi**

1. Delivered an invited talk titled "Water Treatment Using the Derivatives of Chitin and Chitosan" at the 8<sup>th</sup> Indian Chitin Chitosan Society Symposium organized by Dr. Prajakta Dandekar Jain, Mumbai during 18-19<sup>th</sup> September 2019.

**Dr. Anitha Pius**

1. Delivered an invited talk at the National Seminar on Role of Community in Water Conservation – A milestone towards Sustainable Development organized by The Gandhigram Rural Institute, Gandhigram in February 2020.

**Dr. S. Abraham John**

1. Presented a paper titled "Synthesis of AuNPs-COF composite and its application towards the determination riboflavin" at the National conference on Recent Trends in Chemistry of Materials organized by Bannari Amman Institute of Technology, Sathyamangalam during 11-12<sup>th</sup> October 2019.
2. Presented a paper titled "Simultaneous determination of vitamins B9 and C using a oligomer modified electrode" at the International conference on Nanose-2019 organized by Alagappa University, Karaikudi during 27-28<sup>th</sup> November 2019.
3. Presented a paper titled "Selective sensing of Ferric Ion using graphene quantum dots: Aggregation induced quenching through Fe(OH)<sub>3</sub> formation" at the International conference on Nanose-2019 organized by Alagappa University, Karaikudi during 27-28<sup>th</sup> November 2019.
4. Presented a paper titled "Complete Replacement of Silver by Mercury on Functionalized Graphene: Sustainable Strategy to Remove Mercuric Ions from Water" at the International conference on Advanced Functional Materials organized by NIIST, Trivandrum during 9-10<sup>th</sup> December 2019.
5. Presented a paper titled "Metal Nanoparticles-doped COF composite as non-enzymatic electrochemical sensor for hydrogen peroxide with excellent sensitivity and selectivity" in a national conference on National Convention of Electrochemists-21 organized by Vellore Institute of Technology, Chennai from 30<sup>th</sup> January 2020 - 31<sup>st</sup> January 2020.
6. Presented a paper titled "Chitosan derived carbon dots modified electrode for the determination of vitamins, K" in a national conference on National Convention of Electrochemists-21 organized by Vellore Institute of Technology, Chennai from 30<sup>th</sup> January 2020 - 31<sup>st</sup> January 2020.
7. Presented a paper titled "GQDs-AuNPs Composite Modified Electrodes for the Simultaneous Determination of Nitrophenol Isomers" in a national conference on National Convention of Electrochemists-21 organized by Vellore Institute of Technology, Chennai from 30<sup>th</sup> January 2020 - 31<sup>st</sup> January 2020.
8. Presented a paper titled "Fluorimetric determination of organophosphorous pesticide using nitrogen and sulphur co-doped graphene quantum dots" at the International conference ICFMS-2020 organized by the Gandhigram Rural Institute, Gandhigram during 24-25<sup>th</sup> February 2020.

**Dr. P. Kalimuthu**

1. Delivered an invited talk titled "NMR and Mass Spectral Techniques in Materials Characterization" at the National Workshop on Advanced nanomaterials for Sustainable Energy and Sensor Applications (AN-SEA 2020) organized by Alagappa University, Karaikudi during 4-6<sup>th</sup> March 2020.

**Dr. M. Arunachalam**

1. Resource person of the State Level Faculty Development Programme on Recent Advances in Chemistry to the Technocrats (RACT-2019) and delivered a talk on "Pillar[5] arene Based Supramolecular Polymers" organized by Kalasalingam Academy of Research and Education, Krishnan Koil on 12<sup>th</sup> December 2019.

2. Resource person of the State Level One Day Online Faculty Development Programme on Funding Schemes and Patenting Scientific Innovations and delivered a talk on “Funding Oppourtunities for Research Development” organized by Govt. Arts College, Trichirappalli on 13<sup>th</sup> June 2020.

## PUBLICATIONS

### PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Refereed Journals as notified by UGC)

#### Dr. M. Sundaravadivelu

1. “Experimental and theoretical evaluation of new piperidine and oxaquinuclidine core containing derivatives as an efficient corrosion inhibitor for copper in nitric acid medium” in *Journal of Adhesion Science and Technology* (International-0169-4243); Vol. 34, pp.2075-2106, June 2020.
2. “Iodine mediated rearrangement of tetraarylpiperidin-4-ones: Synthesis, structure analysis and biological studies of 5-aryl-2-methoxy-2,4-diphenyl-1H-pyrrole-3-ones” in *Journal of molecular structure* (International-0022-2860); Vol. 1199, pp.126980, August 2019.

#### Dr. M.G. Sethuraman

1. “Recent development of sol-gel based polymer electrolyte membrane for vanadium redox flow battery – A review” in *Polymer testing* (International-0142-9418); Vol. 89, pp.106567, May 2020.
2. “Sol-gel based hybrid silane coatings for enhanced corrosion protection of copper in aqueous sodium chloride” in *Journal of Molecular Liquids* (International-0167-7322); Vol. 302, pp.112551, March 2020.
3. “Reduction of Congo red using nitrogen doped fluorescent carbon nanodots obtained from sprout extract of *Borassus flabellifer*” in *Chemical Physics letters* (International-0009-2614); Vol. 754, pp.137646, May 2020.
4. “Protection of copper from corrosion through electrodeposited poly-2,5-dimercapto-1,3,4-thiadiazole-TiO<sub>2</sub> composite film” in *Polymer Bulletin* (International-01700839); January 2020.
5. “Ecofriendly Synthesis of Fluorescent Nitrogen-Doped Carbon Dots from *Coccinia grandis* and its Efficient Catalytic Application in the Reduction of Methyl Orange” in *Journal of Fluorescence* (International); Vol. 30, pp.103, January 2020.
6. “A robust method of enhancement of corrosion inhibitive ability of electrodeposited poly-3-amino-5-mercapto-1,2,4-triazole films over copper surface using graphene oxide” in *Journal of Adhesion Science and Technology* (International-0169-4243); Vol. 6, pp.651-669, October 2019.

#### Dr. S. Meenakshi

1. “Synthesis and characterization of Zn–Al LDHs/activated carbon composite and its adsorption properties for phosphate and nitrate ions in aqueous medium” in *Journal of Molecular Liquids* (International-0167-7322); Vol. 296, pp.111766, October 2019.
2. “In-situ fabrication of zirconium entrenched biopolymeric hybrid membrane for the removal of toxic anions from aqueous medium” in *International Journal of Biological Macromolecules* (International-0141-8130); Vol.141, pp.1199-1209, September 2019.
3. “Comparative studies on revival of nitrate and phosphate ions using quaternized corn husk and jackfruit peel” in *Bioresource Technology Reports* (International-2589-014X); Vol. 8, pp.100331, October 2019.
4. “Enhanced photocatalytic response of ZnO embedded chitosan/β-cyclodextrin towards the detoxification of Cr(VI) under visible light” in *International Journal of Biological Macromolecules* (International-0141-8130); Vol.147, pp.867-876, October 2019.
5. “In-situ fabrication of cerium incorporated chitosan-β-cyclodextrin microspheres as an effective adsorbent for toxic anions removal” in *Environmental Nanotechnology, Monitoring & Management* (International-2215-1532); Vol. 12, pp.100272, November 2019.
6. “In situ fabrication of magnetic particles decorated biopolymeric composite beads for the selective remediation of phosphate and nitrate from aqueous medium” in *Journal of Environmental Chemical Engineering* (International-2213-3437); Vol. 8, pp.103530, November 2019.

7. "Enhanced removal of phosphate and nitrate ions by a novel Zn-Fe LDHs-activated carbon composite" in *Sustainable Materials and Technologies* (International-2214-9937); Vol. 25, pp.e00154, January 2020.
8. "Mechanistic performance of polyaniline-substituted hexagonal boron nitride composite as a highly efficient adsorbent for the removal of phosphate, nitrate, and hexavalent chromium ions from an aqueous environment" in *Applied Surface Science* (International-0169-4332); Vol. 511, pp.145543, January 2020.
9. "Removal of toxic ions from aqueous solutions by surfactant-assisted biopolymeric hybrid membrane: Synthesis, characterization and toxic ions removal performance" in *Journal of Environmental Chemical Engineering* (International-2213-3437); Vol. 8, pp.103717, February 2020.
10. "Adsorptive performance of lanthanum encapsulated biopolymer chitosan-kaolin clay hybrid composite for the recovery of nitrate and phosphate from water" in *International Journal of Biological Macromolecules* (International-0141-8130); Vol. 154, pp.188-197, March 2020.
11. "Performance evaluation of biopolymeric hybrid membrane and their mechanistic approach for the remediation of phosphate and nitrate ions from water" in *Cellulose* (International-1572-882X); Vol. 27, pp.4539-4554, February 2020.
12. "Encapsulation of Zn-Fe layered double hydroxide on activated carbon and its liveness in tuning anionic and rhoda dyes through adsorption mechanism" in *Asia Pacific Journal of Chemical Engineering* (International-1932-2143); Vol. 15, pp.e2479, April 2020.
13. "Removal of phosphate and nitrate ions from water by amine crosslinked magnetic banana bract activated carbon and its physicochemical performance" in *Environmental Nanotechnology, Monitoring & Management* (International-2215-1532); Vol. 13, pp.100294, March 2020.
14. "Adsorptive removal of anionic azo dyes from effluent water using Zr (IV) encapsulated carboxymethyl cellulose-montmorillonite composite" in *Environmental Chemistry and Ecotoxicology* (International-2590-1826); Vol. 2, pp.73-82, May 2020.
15. "Preparation of novel cobalt ferrite coated-porous carbon composite by simple chemical co-precipitation method and their mechanistic performance" in *Diamond and Related Materials* (International-0925-9635); Vol. 108, pp.107922, May 2020.
16. "Enhanced sonophotocatalytic degradation of bisphenol A using bimetal sulfide-intercalated MXenes, 2D/2D nanocomposite" in *Separation and Purification Technology* (International-1383-5866); Vol. 250, pp.117178, May 2020.
17. "Synthesis and characterization of La(III) supported carboxymethylcellulose-clay composite for toxic dyes removal: Evaluation of adsorption kinetics, isotherms and thermodynamics" in *International Journal of Biological Macromolecules* (International-0141-8130); Vol. 161, pp.1117-1126, June 2020.

#### Dr. Anitha Pius

1. "Application of bio-waste materials in the green synthesis of composites for water purification" in *Journal of Critical Reviews* (International-2394-5125); Vol. 7, pp.282-288 February 2020.
2. "Fabrication of improved cellulose acetate-based biodegradable films for food packaging applications" in *Environmental Chemistry and Ecotoxicology* (International); Vol. 2, pp.107-114, (2020).
3. "Highly crosslinked 3-D hydrogels based on graphene oxide for enhanced remediation of multi contaminant waste water" in *Journal of Water Process Engineering* (International-2214-7144); Vol. 31, pp.100850, October 2019.
4. "Cellulose acetate based biopolymeric mixed matrix membranes with various nanoparticles for environmental remediation-A comparative study" in *Journal of Environmental Chemical Engineering* (International-2213-3437); Vol. 7(4), pp.103278, August 2019.

#### Dr. K.P.Elango

1. "A simple organic probe for ratiometric fluorescent detection of Zn(II), Cd(II) and Hg(II) ions in aqueous solution via varying emission colours to distinguish one another" in *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* (International-1386-1425); Vol.241, pp.118616, June 2020.

**REGISTRAR**

2. "A simple fluorophore-imine ensemble for colorimetric and fluorescent detection of CN<sup>-</sup> and HS<sup>-</sup> in aqueous solution" in *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* (International-1386-1425); Vol. 229, pp.117974, December 2019.
3. "Multi-spectroscopic, voltammetric and molecular docking studies on binding of anti-diabetic drug rosigiltazone with DNA" in *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* (International-1386-1425); Vol. 234, pp.118268, March 2020.

**Dr. K.P.Elango and Dr. M. Seenivasaperumal**

1. "Spectroscopic investigations on DNA binding profile of two new naphthyridine carboxamides and their application as turn-on fluorescent DNA staining probes" in *Journal of Biomolecular Structure and Dynamics* (International-1538-0254); Vol. 38(12), pp.3443-3451, August 2019.
2. "Multi-site probe for selective turn-on fluorescent detection of Al(III) in aqueous solution: synthesis, cation binding, mode of coordination, logic gate and cell imaging" in *Methods and Applications of Fluorescence* (International-2050-6120); Vol. 8, pp.035003, March 2020.

**Dr. S. Abraham John**

1. "Hetero atoms doped carbon dots modified electrodes for the sensitive and selective determination of phenolic anti-oxidant in coconut oil" in *Journal of Electroanalytical Chemistry*, (International-1572-6657); Vol. 848, pp.113297, September 2019.
2. "Free-standing Au-Ag nanoparticles on carbon cloth: A non-enzymatic flexible electrochemical sensor for the biomarker of oxidative stress" in *Applied Surface Science*, (International-0169-4332); Vol. 495, pp.143550, November 2019.
3. "Leaching of AuNPs from the surface of GO: Sensitive turn on fluorescence detection of toxic preservative" in *Food Chemistry*, (International-0308-8146); Vol. 309, pp.125751, March 2020.
4. "Study on the interactions between graphene quantum dots and Hg(II): Unraveling the origin of photoluminescence quenching of graphene quantum dots by Hg(II)" in *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, (International-0927-7757); Vol. 591, pp.124551, April 2020.
5. "Selective receptor for Fe(III) ion with a fluorescence-ON pyrene motif in semi-aqueous solution" in *Journal of Photochemistry and Photobiology A*, (International-1010-6030); Vol. 392, pp.112426, April 2020.
6. "Negative potential induced growth of surfactant-free CuO nanostructures on Al-C substrate: A dual in-line sensor for biomarkers of diabetes and oxidative stress" in *ACS Sustainable Chemistry & Engineering* 8 (2020) 2651.A, (International-21680485); Vol. 8, pp.2640-2651, February 2020.
7. "Covalent organic frame work film as an effective electrocatalyst for the simultaneous determination of dihydroxybenzene isomers in water samples" in *Sensors and Actuators B: Chemical*, (International-0925-4005); Vol. 313, pp.128033, June 2020.
8. "Ultrasonic Assisted Synthesis of Size-Controlled Cu-Metal–Organic Framework Decorated Graphene Oxide Composite: Sustainable Electrocatalyst for the Trace-Level Determination of Nitrite in Environmental Water Samples" in *ACS Omega*, (International-2470-1343); Vol. 5(24), pp.14242-14253, June 2020.

**Dr. K. K. Satheeshkumar**

1. "Oxidative solid state synthesis of polyaniline/Pb composite by using lead nitrate" in *J. Critical Rev*, (International-2394-5125); Vol. 20, pp.2151, May 2020.

**Dr. M. Seenivasaperumal**

1. "Water extract of onion catalyzed Knoevenagel condensation reaction: an efficient green procedure for synthesis of  $\alpha$ -cyanoacrylonitriles and  $\alpha$ -cyanoacrylates" in *Asian J. Green. Chem.*, (International-2588-4328); Vol. 3, pp.137-152, (2019).
2. "Synthesis and anti-microbial activities of azomethine and aminomethyl phenol derivatives" in *Asian J. Green. Chem.*, (International-2588-4328); Vol. 3, pp.508-517, (2019).

## PAPERS IN NATIONAL / INTERNATIONAL CONFERENCE PROCEEDINGS

### Dr. M. Sundaravadivelu

1. "Iodine-catalysed ring contraction rearrangement of tetraaryl piperidin-4-one to 5-aryl-2-methoxy-2,4-diphenyl-1H-pyrrole-3-one" in the International Conference on Frontier areas in Chemical technologies-2019, Department of Industrial Chemistry, Alagappa University, Karaikudi, during 25-26<sup>th</sup> July 2019.
2. "NMR and crystal structure analysis of newly synthesized  $\alpha$ ,  $\beta$ -unsaturated ketones" in the International Conference on Frontiers in Chemistry and Material Sciences (ICFCMS), Department of Chemistry, The Gandhigram Rural Institute (Deemed to be University), Gandhigram, during 24-25<sup>th</sup> February 2020.
3. "5-(4-chlorophenyl)-2-methoxy-2, 4-diphenyl-pyrrol-3-one: An efficient fluorescent material for live cell imaging" in the International Conference on Frontiers in Chemistry and Material Sciences (ICFCMS), Department of Chemistry, The Gandhigram Rural Institute (Deemed to be University), Gandhigram, during 24-25<sup>th</sup> February 2020.
4. "8-Methoxycaffeine as corrosion inhibitor for copper in 1 M HNO<sub>3</sub> medium" in the International Conference on Frontiers in Chemistry and Material Sciences (ICFCMS), Department of Chemistry, The Gandhigram Rural Institute (Deemed to be University), Gandhigram, during 24-25<sup>th</sup> February 2020.

### Dr. S. Meenakshi

1. "Lanthanum (III) incorporated chitosan-montmorillonite composite as flexible material for adsorptive removal of azo dyes from water" in the International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2019), Department of Chemistry, The Gandhigram Rural Institute (Deemed to be University), Gandhigram, (International-2214-7853); Vol. 27, pp. 318-326, (2020).

### Dr. Anitha Pius

1. "Novel monolith based on ( $\beta$ -CD)/ S doped-g- C<sub>3</sub>N<sub>4</sub>/SiO<sub>2</sub> monolith for environmental application" in the International Conference on Frontiers in Chemical and Material Sciences organized by the Department of Chemistry, The Gandhigram Rural Institute (Deemed to be University), Gandhigram, (International); pp. 244-245, February, 2020.
2. "Improved cellulose acetate based biodegradable films for food packaging applications" in the National Conference on Recent Trends in Materials Science and Technology, Indian Institute Of Space Science And Technology, Thiruvananthapuram, Kerala, pp.98, December, 2019.
3. "Green Composite Film for Food Packaging Applications" in the National Conference on Recent Trends in Materials Science and Technology, Indian Institute Of Space Science And Technology, Thiruvananthapuram, Kerala, pp.127, December, 2019.
4. "Photocatalytic degradation of pesticides using S doped g-C<sub>3</sub>N<sub>4</sub>/SiO<sub>2</sub> monolith" in the National Conference on Recent Trends in Materials Science and Technology, Indian Institute Of Space Science And Technology, Thiruvananthapuram, Kerala, pp.127, December, 2019.
5. "Synthesis and characterization of a magnetic  $\beta$ -CD/CMC-Co-poly(AA) composite for the degradation of organic pollutants" in the National Conference on Recent Trends in Materials Science and Technology, Indian Institute of Space Science And Technology, Thiruvananthapuram, Kerala, pp.128, December, 2019.

### Dr. M. Seenivasa Perumal

1. "Green method of Synthesis of dibenzo[b,e][1,4]diazepine-1ones using onion extract as catalyst" in the International Conference on Frontiers in Chemical and Material Sciences, Department of Chemistry, The Gandhigram Rural Institute (Deemed to be University), Gandhigram, during February, 2020.
2. "Synthesis of Tetrasubstituted Pyrrole Derivative Using onion Extract as a Catalyst" in the International Conference on Frontiers in Chemical and Material Sciences, Department of Chemistry, The Gandhigram Rural Institute (Deemed to be University), Gandhigram, pp.31, February, 2020.

**REGISTRAR**

Gandhigram Rural Institute

(Deemed to be University)

Gandhigram - 624 302.

Indigul Dist, Tamilnadu.

#### **Dr. M. Arunachalam**

1. "Host-guest complexation of deca methoxypillar[5]arene with neutral and cationic guests" in the National Conference on Chemical and Material Sciences, Department of Chemistry, The Gandhigram Rural Institute (Deemed to be University), Gandhigram, during February 2020.
2. "Host-Guest Complexation of Aliphatic and Aromatic Nitro Compounds by Decamethoxypillar[5]Arene" in the National Conference on Chemical and Material Sciences, Department of Chemistry, The Gandhigram Rural Institute (Deemed to be University), Gandhigram, during February 2020.

#### **BOOKS PUBLISHED**

##### **Dr. Anitha Pius**

1. Published a book on "Handbook of Chitin and Chitosan –Volume 2: Composites and Nanocomposites from Chitin and Chitosan, Manufacturing and Characterisation" in Elsevier, US; (International: ISBN: 978-0-12-817968-0); (2020).
2. Published a book on "Handbook of Chitin and Chitosan –Volume 1: Preparation and Properties" in Elsevier, US; (International: ISBN: 9780128179703); June 2020.

#### **CHAPTERS PUBLISHED**

##### **Dr. Anitha Pius**

1. "Microscopic studies on chitin and chitosan-based interpenetrating polymer networks, gels, blends, composites, and nanocomposites" in the Handbook of Chitin and Chitosan –Volume 2: Composites and Nanocomposites from Chitin and Chitosan, Manufacturing and Characterisation published by Elsevier, US, (International-978-0-12-817968-0); 2020.
2. "Chitin and chitosan-based aerogels" in the Handbook of Chitin and Chitosan –Volume 1: Preparation and Properties published by Elsevier, US, (International-9780128179703); June 2020.
3. "Current research on the blends of chitosan as new biomaterials" in the Handbook of Chitin and Chitosan –Volume 1: Preparation and Properties published by Elsevier, US, (International-9780128179703), June 2020.
4. "Characterization studies of polymer-based composites related to functionalized filler-matrix interface" in the Book of Interfaces in Particle and Fibre Reinforced Composites, From Macro to Nano Scales published by Woodhead Publishing, (International-978-0-08-102665-6), pp.219-250, (2020).

##### **Dr. S. Abraham John**

1. "Graphene modified electrochemical sensors" in the Book of Graphene based electrochemical sensors for biomolecules published by Woodhead Publishing, Elsevier, (International-9780128156391), pp.1-40, (2019).

#### **TALKS DELIVERED**

##### **Dr. S. Abraham John**

1. Delivered a talk on Moving from expensive metallic nanoparticles to low cost carbon nanomaterials: Optical and electrochemical sensing applications in the International Symposium on Advanced Materials and Nanotechnology at Universiti Putra, Malaysia in August, 2019.
2. Delivered a talk on Recent trends in nanomaterials in the two day national conference on materials and sustainable chemistry at Sadakathullah Appa College, Tirunelveli in September, 2019.
3. Delivered a talk in the International Seminar on Emerging Trends in Nanoscience titled "Synthesis and Applications of Nanomaterials" at Vellalar College for Women, Erode in December 2019.
4. Delivered a talk on Biological Applications of Nanomaterials in the Recent trends in biological nanochemistry at Dr. Zahir Hussain College, Ilayangudi in January, 2020.
5. Delivered a talk on Carbon nanomaterials: Alternative to metallic nanoparticles in the Modern trends in chemistry-2020 at S. Vellaichamy Nadar College, Madurai in February, 2020.

- Delivered a talk in the UGC sponsored seminar on recent trends in nanomaterials titled "Nanomaterials and their applications" at Arulmigu Palaniandavar College for Men in March, 2020.

### EXTENSION ACTIVITIES

#### Dr. M. Arunachalam & Dr. M. Seenivasa Perumal

- Swachhta Packwada, Sensitization programmes was organized at Department of Chemistry on 7<sup>th</sup> August, 2019.
- Fit India Movement, Sensitization programmes was organized at Department of Chemistry on 29<sup>th</sup> August, 2019.
- Swachhta Hi Seva, Sensitization programmes was organized at Thoppampatty Panchayat on 23<sup>rd</sup> September, 2019.
- Swachhta Hi Seva, Sensitization programmes was organized near Devangar higher secondary school, Chinnalapatti on 2<sup>nd</sup> October, 2019.
- Organized a programme of Observance of Road Safety & FIT India Walkathon, and conducted Walkathon with the objectives of Fit India Movement in Chinnalapatti on 13<sup>th</sup> January, 2020.
- Organized a programme of Observance of Road Safety & FIT India Cyclothon, and conducted Walkathon with the objectives of Fit India Movement in Chinnalapatti on 24<sup>th</sup> January, 2020.

### VISITORS TO THE DEPARTMENT

| Name of the Visitor   | Designation and Affiliation                                | Purpose                            | Month and Year of Visit |
|-----------------------|--|------------------------------------|-------------------------|
| Prof. H. S. P. Rao    | Dean, Sharadha University, Delhi                           | UGC-SAP Advisory Committee Meeting | February 2020           |
| Prof. R. Ramaraj      | Professor of Eminence, Madurai Kamaraj University, Madurai | UGC-SAP Advisory Committee Meeting | February 2020           |
| Prof. Pradyut Ghosh   | IACS, Kolkatta   | Conference                         | February 2020           |
| Dr. Eric Doris        | Fredric Joliot Institute -France                           | Conference                         | February 2020           |
| Dr. Alberta Bianco    | Fredric Joliot Institute -France                           | Conference                         | February 2020           |
| Dr. Laurent Davel     | Fredric Joliot Institute -France                           | Conference                         | February 2020           |
| Dr. G. Pieters        | CNRS-France  | Conference                         | February 2020           |
| Dr. Paulraj manidurai | University of Concepcion Chile                             | Conference                         | February 2020           |
| Prof. C. Sinha        | Jadavpur university  | Conference                         | February 2020           |
| Prof. S. Nagarajan    | CUTN-Thiruvavur  | Conference                         | February 2020           |
| Prof. M. Sathiyendran | University of Hyderabad                                    | Conference                         | February 2020           |
| Prof. Sk. Jasimuddin  | Assam University   | Conference                         | February 2020           |

### STUDENTS / SCHOLARS ON EXCHANGE VISITS

| Name of the Students/ Scholar | Programme of Study | Country Visited | Institution Visited            | Nature of Visit       | Duration of Visit | Period of Visit |    | Sponsoring Agency |
|-------------------------------|--------------------|-----------------|--------------------------------|-----------------------|-------------------|-----------------|----|-------------------|
|                               |                    |                 |                                |                       |                   | From            | To |                   |
| E. Jackcina stobel Christy    | Ph.D               | USA             | University of Nebraska-Lincoln | Internship fellowship | 3 months          | -               | -  | Indo US S&T forum |

*L. N.*

**REGISTRAR**

**STUDENTS / SCHOLARS QUALIFIED IN CSIR-JRF / NET / SET / GATE / TET / TNPSC / UPSC etc., EXAMINATIONS**

| Name of the Student / Scholar | Programme of Study | Name of the Examination Qualified | Name of the Board Conducted the Examination | Month & Year of Passing |
|-------------------------------|--------------------|-----------------------------------|---|-------------------------|
| S. Subhashini                 | Ph.D               | GATE                              | IIT   | Feb-2020                |
| S. Subhashini                 | Ph.D               | GATE                              | IIT   | Feb-2020                |
| R. Hariharasudhan             | B.Sc.              | JAM                               | IIT   | Mar-2020                |
| L. Prakash                    | B.Sc.              | JAM                               | IIT   | Mar-2020                |
| V. Suriyaa                    | B.Sc.              | JAM                               | IIT   | Mar-2020                |
| Ulaganayaki                   | B.Sc.              | JAM                               | IIT   | Mar-2020                |
| S. Pratheepa                  | B.Sc.              | JAM                               | IIT   | Mar-2020                |
| S. Pratheepa                  | B.Sc.              | CAT                               | IIM   | Mar-2020                |



**REGISTRAR**  
Gandhigram Rural Institute  
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Gandhigram - 624 302.  
Dindigul Dist, Tamilnadu.



## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

**Dr. M.R. Rajan, Dr. P.U. Mahalingam & Dr. R. Ramasubbu**

1. Organized an International Conference on Bioresource Technology for Food, Energy and Environmental Sustainability, funded by UGC-General Development Fund from 8-10<sup>th</sup> January 2020 at GRI.

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

**Dr. R. Ramasubbu**

1. Participated in a National Level Refresher Course in Botany organized by Bharathiar University, Coimbatore during 12-25<sup>th</sup> September 2019.
2. Delivered a talk at the State Level Training programme on New Text Book Training programme organized by Samagra shiksha, Dindigul Dist. from 31<sup>st</sup> July 2019 to 5<sup>th</sup> August 2019.
3. Delivered a Special address at the International Conference on Animals Inspire Innovation organized by Seetha Achi College for Women during 3-4<sup>th</sup> October 2019.
4. Delivered a Special address at the State Level Environmental club extraordinary meeting organized by Sri G.V.G Visalakshi College for women, Venkatesa mills on 17<sup>th</sup> February 2020.
5. Delivered a talk at the State Level DBT star College Programme organized by Nirmala College, Coimbatore during 6-7<sup>th</sup> August 2019.
6. Delivered an Invited talk titled "Biotechnological Approaches on Conservation of Endemic and Endangered Trees of Western Ghats" at the State Level Seminar on Emerging Trends in Biotechnology organized by The Madura College on 22<sup>nd</sup> January 2020.
7. Poster presentation at the International Conference on Bioresource technology for food, energy and environmental sustainability organized by Botanical Survey of India during 8-10<sup>th</sup> January 2020.
8. Presented a paper at the National Conference on 29<sup>th</sup> annual conference of Indian association of Angiosperm taxonomy and symposium on modern trends in biosystematics organized by Jawaharlal Nehru Tropical Botanic Garden and Research Institute, Palode, Thiruvananthapuram, Kerala during 11-13<sup>th</sup> November 2019.

## PUBLICATIONS

### PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Refereed Journals as notified by UGC)

**Dr. David Ravindran.A**

1. "Extraction and Optimization of Extracellular Polysaccharide Production in *Spirulina Platensis* MK 343101" in *International Journal of Scientific & Technology Research* (International-2277-8616); Vol. 9(4), April 2020.

**Dr. M.R. Rajan**

1. "Impact of Selenium on Hematological and Histopathological changes in *Oreochromis mossambicus* as an animal model" in *International Journal of Scientific & Technology Research* (International-2277-8616); Vol. 9(3), pp.4497-4502, March 2020.

**Dr. R. Ramasubbu**

1. "Phytochemical composition and antimicrobial properties of leaf essential oil of *Garcinia imberti* Bourd and *G. travancorica* Bedd" in *International Journal of Advanced Science and Technology* (International-1082-1092); Vol. 29(2), March 2020.
2. "Mycorrhizal and endophytic fungal association in *Paphiopedilum druryi* (Bedd.) Stein - A strict endemic and critically endangered orchid of the Western Ghats" in *Ecological Genetics and Genomics* (International-2405-9854); Vol. 16(100059), April 2020.
3. "*Syzygium anamalaianum* (Myrtaceae), a new tree species from the western ghats of Tamil nadu, India" in *Phytotaxa* (International-1179-3163); Vol. 450(2), April 2020.
4. "Two new species of *Impatiens* (Balsaminaceae) from the Western Ghats of Tamil Nadu, India." in *Phytotaxa* (International-1179-3155); Vol. 460(4), pp.249-258, May 2020.

5. "Antimicrobial Activity of Leaf Extracts of *Memecylon heyneanum* Benth. ex Wight & Arn.: An Endemic Tree Species of Southern Western Ghats." in *Advances in Zoology and Botany* (International-2331-3091); Vol. 8(3), pp.258-268, May 2020.

### BOOKS PUBLISHED

#### Dr. R. Ramasubbu

1. Published a book on "Shola Forests of Palani Hills, Southern Western Ghats" in Scholar's Press, Mauritius, (International-ISBN / ISSN: 978-613-8-93081-5); 2020.

### CHAPTERS PUBLISHED

#### Dr. R. Ramasubbu

1. "Polyphenolic compounds for Coriander plant for human Health and Disease" in the book of Coriander; Dietary sources, properties and Health benefits, published by Nova Science Publishers, (International, ISSN. 978-1-53616-484-8); pp. 184-205, November 2019.
2. "Fungy: A Novel Soure for Biologically Active Secondary Metabolitier" in the book of Microbial Biodiversity, published by Cambridge Scholars, Publishing, Type UK, (International, ISSN. 978-1-5275-4818-3); pp. 25-39, October 2019.

### TALKS DELIVERED

#### Dr.P.U. Mahalingam

1. Delivered a talk on "Composting Techology for Sustainable Agriculture" in the Invited Lectueat Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, TamilNadu in 19.07.2019.

### EXTENSION ACTIVITIES

#### Dr. P.U. Mahalingam

1. Village Placement Programme was organized at Thoppampatti Village from 23 September 2019 to 28 September 2019.

#### Dr. R. Ramasubbu

1. Unit III – NSS Programme was organized at GRI from 2 October 2019 to 2 November 2019.

### VISITORS TO THE DEPARTMENT

| Name of the Visitor          | Designation and Affiliation  | Purpose   | Date of Visit |
|------------------------------|--|---|---------------|
| Dr. M. Krishnan              | Vice Chancellor, Madurai Kamaraj University, Madurai   | Chief Guest in the International Conference on Bioresources Technology for Food, Energy and Environmental Sustained (ICBTFEES-2020) Organization the Department of Biology.     | January 2020  |
| Dr. Joy Scaria               | Department of Veterinary and Biomedical Sconces, South Dakota state University, Brookings, SD, USA 57007.                                  | Invited lecture in the International Conference on Bioresources Technology for Food, Energy and Environmental Sustained (ICBTFEES-2020) Organized by the Department of Biology. |               |
| Dr. Jayakumar Rajarajeswaran | Department of Molecualr Medicine, Faculty of Medicine University of Malaya, 50603. Kuala Lumpur.   |   |               |
| Dr. T. Anand                 | Division of Nutrition, Biochemistry & Toxicology Defense Food Research Laboratory, Siddartha Nagar, Mysore.                                |   |               |
| Dr. S. Kannan                | School of Energy, Environment & Natural Resources, Madurai Kamaraj University, Madurai   |   |               |
| Dr. G. Annadurai             | Division of Nanoscience, Sri Parmakalyani Centre of Excellence in Environmental Sciences, Manonmaniam Sundaranar University, Alwarkurichi. |   |               |

|                  |  |                            |  |
|------------------|--|----------------------------|--|
| Dr. A. Palavesam | Department of Animal Science<br>Manonmaniam Sundaranar University,<br>Tirunelveli  |                            |  |
| Dr. Suresh .P.V  | Department of Meat and Marine Sciences,<br>CSIR-Central Food Technological<br>Research Institute, Mysuru.  |                            |  |
| Dr. A. Murugan   | Department of Microbiology, Periyar<br>University, Salem   |                            |  |
| Dr. Anburajan .P | School of Civil and Environmental<br>Engineering, Yonsei University, Seoul<br>03722, Republic of Korea   |                            |  |
| Dr. H. Shakila   | Professor & Head, Department of<br>Molecular Microbiology School of<br>Biotechnology, MKU, Madurai   | Doctoral committee meeting |  |
| Dr. S. Jayakumar | Professor & Head, Department of Ecology<br>& Environmental Sciences, School of Life<br>Sciences, Pondicherry University,<br>Puducherry   | Doctoral committee meeting |  |
| Dr. G. Annadurai | Professor & Head, Environmental<br>Nanobiotechnology Division SPK Centre<br>of Excellence in Environmental Sciences,<br>Manonmaniam Sundaranar University,<br>Alwarkurichi, Thirunelveli | Doctoral committee meeting |  |

### STUDENTS / SCHOLARS ON EXCHANGE VISITS

| Name of the Students/ Scholar | Programme of Study        | Institution Visited | Nature of Visit  | Duration of Visit | Period of Visit |            | Sponsoring Agency |
|-------------------------------|---------------------------|---------------------|--|-------------------|-----------------|------------|-------------------|
|                               |                           |                     |  |                   | From            | To         |                   |
| Sooryakanth .B                | Ph.D Programme in Zoology | IISC-Bangalore      | Participation in GSDP 2020: Valuation of Ecosystem Goods, services and Green GDP | 15 days           | 01.03.2020      | 15.03.2020 | IISC-Bangalore    |
| Arunlal. M                    | M.Sc., Botany             | IISC-Bangalore      | Participation in GSDP 2020: Valuation of Ecosystem Goods, services and Green GDP | 15 days           | 01.03.2020      | 15.03.2020 | IISC-Bangalore    |

### STUDENTS / SCHOLARS QUALIFIED IN CSIR-JRF / NET / SET / GATE / TET / TNPSC / UPSC etc., EXAMINATIONS

| Name of the Student / Scholar | Programme of Study   | Name of the Examination Qualified | Name of the Board Conducted the Examination | Month & Year of Passing |
|-------------------------------|----------------------|-----------------------------------|---|-------------------------|
| Ajmal .M.P.                   | M.Sc., Zoology       | UGC- NET – Environmental Sciences | Agricultural Scientists Recruitment Board   | December 2019           |
| M. Srinivash                  | Ph.D in Microbiology | GATE                              | Agricultural Scientists Recruitment Board   | March 2020              |



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## Department of Home Science

### PROFILE

From the inception the Department of Home Science offered a course on Diploma in Rural Services (DRS). When the institute became a Deemed University in 1976, the department was introduced B.Sc. Home Science, M.Sc. Home Science Extension and Communication, M.Sc. Food Science and Nutrition, M.Phil and Ph.D programme. The Department has produced 34 Ph.Ds and at present 19 scholars are currently doing Ph.D on full time and part time basis, out of which seven of them are receiving fellowship from UGC. The Department has generated Rs. 46 lakhs through funded projects. The UGC has sanctioned Rs.51 lakhs for B.Sc. Textiles and Fashion Design under Innovative Programme for a period of five years from 2012 – 2017. The objective of the department is to produce able teachers, administrators and entrepreneurs, Concentrate the community on nutrition and health. The Department also offers B.Voc. Footwear and Accessories Design, B.Voc. Food Processing and B.Voc Food Testing and Quality Evaluation under DDU – Kaushal Kendra.



SCHOOL OF SCIENCES

### ACADEMIC PROGRAMMES OFFERED

| S.No | Programme                                      | Year of Introduction |
|------|--|----------------------|
| 1.   | Ph.D   |                      |
| 2.   | M.Sc. Home Science Extension and Communication | 1984                 |
| 3.   | M.Sc. Food Science and Nutrition               | 2003                 |
| 4.   | B.Sc. Home Science                             | 1976                 |
| 5.   | B.Sc. Textiles and Fashion Design              | 2012                 |
| 6.   | B.Voc. Footwear and Accessories Design         | 2015                 |
| 7.   | B.Voc. Food Processing                         | 2018                 |
| 8.   | B.Voc. Food Testing and Quality Evaluation     | 2018                 |

### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty   | Designation                |
|-------|-----------------------|----------------------------|
| 1.    | Dr.K.S.Pushpa         | Professor                  |
| 2.    | Dr.R.I.Sathya         | Professor                  |
| 3.    | Dr.S.S.Vijayanchali   | Associate Professor & Head |
| 4.    | Dr.S.Kavitha Maithily | Assistant Professor        |
| 5.    | Dr.A.Thahira Banu     | Assistant Professor        |
| 6.    | Dr.R.Sahul Hameed     | Assistant Professor        |

## THRUST AREAS OF RESEARCH

- ❖ Nutritional Surveillance
- ❖ Therapeutics and Nutritional Intervention
- ❖ Food Processing and Preservation
- ❖ Apparel Designing
- ❖ Technical Textiles – Textile composite, Medical and Protective Textile
- ❖ Women and Children Welfare
- ❖ Children with Disabilities

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

1. The department organized Dr T.S Soundaram Endowment Lecture on the Theme “Healthy people Healthy India” on 30.10.2019.
2. Dr. S. S. Vijayanchali Organized a State level Training Programme on “Vertical Training Programme for Block level Functionaries of Anganwadi Service Scheme”, funded by NIPCCD from 26-30<sup>th</sup> August 2019 at KVK.

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

### Dr. K. S. Pushpa

1. Presented a paper titled “Health and Cheerfulness Naturally Beget Each other” at the College level National Nutrition week celebration on “Intercollegiate NutriFest 2K19” organized by SSM College of Arts and Science on 3<sup>rd</sup> September 2019.
2. Presented a paper titled “Ill effects of drug addiction and its prevention” at the State Level Workshop on Drug Abuse prevention for college students organized by JNRM, Port Blair, Andaman during 14-16<sup>th</sup> October 2019.
3. Chaired a session titled “Research and Innovation in Extension Education” at the National Level Biennial Conference on Trends for futuristic development in Home Science: Research and innovation organized by Avinashilingam Institute for Home Science, Coimbatore on 22<sup>nd</sup> January 2020.
4. Attended National Level Refresher Course on “Recent trends in Home Science Extension” organized by Madurai Kamaraj University on 11<sup>th</sup> February 2020.

### Dr. S. S. Vijayanchali

1. Presented a paper titled “Trends in Food Processing Techniques” at the National Symposium on Enlightening Techniques in Food Processing and Apparel Industry-20 organized by Vivekanandha Arts and Science College for Women, Sankagiri, Tiruchengode on 21<sup>st</sup> February 2020.
2. Participated in an International Webinar on Growth Monitoring & Anthropometric Assessment in Children & Adolescents organized by Signutra on 29<sup>th</sup> April 2020.
3. Participated in an International Webinar on Kids: Growth & Gut Health organized by Signutra on 9<sup>th</sup> May 2020.
4. Participated in an International Webinar on Maternal and Child Health organized by IAPEN and Signutra on 23<sup>rd</sup> May 2020.
5. Participated in a National Webinar on Tackling the New Normal in Foods, Nutrition and Dietetics organized by Department of Foods, Nutrition and Dietetics, College of Home Science, Nirmala Niketan during 26-31<sup>st</sup> May 2020.
6. Presented a paper titled “Confronting the Pandemic through Dietary Immuno Boosters” at the National Webinar on Women and Health organized by Alagappa University on 9<sup>th</sup> June 2020.

### Dr. S. Kavitha Maithily

1. Participated in a National Conference on Assitive Technology for All 2030 organized by Mobility India & NIEPMD, Bengaluru during 2-3<sup>rd</sup> August 2019.
2. Participated in a Regional Conference on “Roundtable Conference on the Role of Unnat Bharat Abhiyan in achieving Sustainable Development Goals in Tamil Nadu: Partnering with Social and

Solidarity Economy” organized by RCI – UBA, Gandhigram Rural Institute, Gandhigram on 5<sup>th</sup> February 2020.

3. Participated in a Regional Workshop on Unnat Bharat Abhiyan for Participating Institutions organized by RCI – UBA, Gandhigram Rural Institute, Gandhigram on 6<sup>th</sup> February 2020.
4. Participated in a University Level Seminar on Fostering Non-Violent Concepts and Skills in Shati Sainiks organized by Centre for Gandhian Studies & Shanti Sena, GRI on 6<sup>th</sup> March 2020.
5. Presented a paper titled “Nutritional Status of Girls with Disabilities in Rural Areas” at the International Seminar on Women in Various Fields in 21<sup>st</sup> Century: Gender Gaps in Global Achievements & opportunities – Strategies and challenges organized by Bharathidasan University, Tiruchand Tamil University, Thanjavur during 9-10<sup>th</sup> March 2020.
6. Participated in the National Level Second JNU Workshop for Empowering Teaching through Online Mode organized by JNU, New Delhi during 9-10<sup>th</sup> May 2020.
7. Participated in an International Webinar on ‘Innovative Teaching Strategies for Intellectually Diverse Students organized by St. Teresa’s College, Ernakulam on 27<sup>th</sup> May 2020.
8. Participated in a National Webinar on Specific Learning Disabilities (SLD) – An Overview organized by Tamilnadu Teacher’s Education University, Chennai on 29<sup>th</sup> May 2020.

#### **Dr. A. Thahira Banu**

1. Participated in a National Conference Sponsored by DST-CURIE on the Technology in Telehealth care and Dietetics organized by Department of FSMD, Avinashilingam Institute for Home Science and Higher Education, Coimbatore on 27<sup>th</sup> September 2020.
2. Presented a paper titled “Dietary Behaviour in Type 2 Diabetics with Metabolic Syndrome” at the National level 33<sup>rd</sup> Biennial Conference of Home Science Association of India on Trends for Futuristic Development in Home Science: Research and Innovation organized by Faculty of Home Science, Avinashilingam Institute for Home Science and Higher Education, Coimbatore during 22-24<sup>th</sup> January 2020.
3. Presented a paper titled “Seaweeds and its Antidiabetic Potential” at the International Conference on Obesity, Diabetes and Cardiology trends in Genomics and proteomics in Biosciences organized by School of Biological Sciences, Madurai Kamaraj University, Madurai during 25-26<sup>th</sup> February 2020.
4. Participated in a National Webinar on Potential and Diverse Applications of Atmospheric Cold Plasma for Inactivation and Mitigation of Corona Virus (nCovid-19) organized by Association of Food Scientists and Technologists (India), CFTRI, Mysuru, Karnataka on 1<sup>st</sup> May 2020.
5. Participated in a National Webinar on Ageing and Health - New Initiatives organized by School of Life Sciences, Mizoram University, Aizawl on 15<sup>th</sup> May 2020.
6. Participated in an International Webinar on Nurturing Physical, Mental and Social Health: During and Post COVID 19 organized by Institute of Home Science Dr. Bhimrao Ambedkar University, Agra on 16<sup>th</sup> May 2020.
7. Participated in a Regional E-Learning training programme on Bioinformatics as cartographic tool in drug discovery organized by Department of Biotechnology, Alagappa University, Karaikudi during 19-30<sup>th</sup> May 2020.
8. Participated in an International Webinar on Critical care and Renal Nutrition organized by Chennai Urology and Robotics Institute Hospital & IDA, Chennai Chapter during 1-3<sup>rd</sup> June 2020.
9. Participated in a National Level online Workshop on Nutritional Sustenance through Dairy Products: Initiatives and Strategies organized by Tamil Nadu Veterinary and Animal Sciences University College of Food And Dairy Technology, Koduveli, Chennai on 1<sup>st</sup> June 2020.
10. Delivered a Talk on “Emotional Intelligence” at the National Webinar on Healthy Body Wealthy Mind organized by Department of Science and Humanities (Chemistry) of Hindusthan College of Engineering and Technology, Coimbatore on 18<sup>th</sup> June 2020.
11. Participated in a Regional Webinar on Challenges of Nutraceuticals as Therapeutic agents organized by Department of Home Science, Sri Meenakshi College for Women, Madurai on 26<sup>th</sup> June 2020.
12. Participated in an International Webinar on Covid-19 & Food & Nutrition Security: Scenario in South and South East Asia organized by Department of Food Science and Nutrition, Avinashilingam Institute for Home Science, NSI Coimbatore Chapter & University of Reading, on 27<sup>th</sup> June 2020.

**REGISTRAR**

Gandhigram Rural Institute

(Deemed to be University) – Annual Report (2019-20)

Gandhigram - 624 302.

Dindigul Dist, Tamilnadu.

#### **Dr. R. Sahul Hameed**

1. Resource Person of the International Workshop on Canada-India Pulse Workshop: Strengthening Scientific Partnerships organized by Indian Institute of Food Processing Technology, Thanjavur during 22-23<sup>rd</sup> January 2020.
2. Participated in a College Level Endowment Lecture on Nutrition, Inflammation, gut Microbiota and Non Communicable Disease organized by Community Science College and Research Institute, TNAU, Maudrai on 24<sup>th</sup> January 2020.
3. Participated in a National Webinar on Covid 19: Food Safety Implications organized by St. Teresa's College, Ernakulam on 23<sup>rd</sup> May 2020.
4. Participated in a National Webinar Series on Tackling the New Normal in Foods, Nutrition and Dietetics organized by Department of Foods, Nutrition and Dietetics, College of Home Science, Nirmala Niketan during 26-31<sup>st</sup> May 2020.
5. Participated in a National Level online Workshop on Nutritional Sustenance through Dairy Products: organized by College of Food and Dairy Technology on 1<sup>st</sup> June 2020.

#### **PUBLICATIONS**

#### **PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Refereed Journals as notified by UGC)**

#### **Dr. K. S. Pushpa**

1. "Inclusive of Disability-A Study on Bud's Scheme under Kudumbashree" in *EPRA-International Journal of Multidisciplinary Research (IJMR)* (International-2455-3662); Vol. 6(5), pp.117-121, May 2020.
2. "Women Empowerment through Micro Enterprises-A Study on Kudumbashree Programme" in *Indian Journal of Home Science* (National-0970-2733); Vol. 32(1), pp.11-22, January 2020.
3. "Socio economic profile of Kudumbashree members in Kollam District" in *International Journal of Home Science* (International-2395-7476); No.1, pp.147-150, March 2020.
4. "Impact of information technology (IT) skill Training programme for tribes in Andaman & Nicobar" in *International Journal of Home Science* (International-2395-7476); Vol. 6(1), pp.97-99, January 2020.
5. "Performance of Kudumbashree units (NHGS) in Devikulam Taluk" in *International Journal of Home Science* (International-2395-7476); Vol. 6(1), pp.112-115, January 2020.
6. "Governance structure of panchayat level federation in Sivagangai district" in *International Journal of Home Science* (International-2395-7476); Vol. 6(1), pp.262-265, April 2020.

#### **Dr. A Thahira Banu**

1. "Gender Wise Prevalence of Comorbidities and Medication Adherence among Type 2 Diabetics in Malappuram" in *Journal of Pharmaceuticals Sciences and Research* (International-E-ISSN: 0975-8232; P-ISSN: 2320-5148); Vol. 10(10), pp.4787-4793, October 2019.
2. "Life style practices and Glycemic control among Type 2 Diabetic Patients in North Kerala" in *Indian Journal of Public Health Research & Development* (International-P0976-0245-E 0976-5506); Vol. 10(9), pp.491-497, September 2019.
3. "Effect of seaweed coating on quality characteristics and shelf life of tomato (*Lycopersicon esculentum* mill)" in *Food Science and Human Wellness* (International-2213-4530); Vol. 9(2), pp.176-183, June 2020.

#### **Dr. R. Sahul Hameed**

1. "Rheology of Barnyard Millet-Based Composite Dough for Chapathi Preparation" in *International Journal of Agricultural Science and Research* (International-2250-0057); Vol. 9(6), pp.61-68, December 2019.

#### **CHAPTERS PUBLISHED**

#### **Dr. K. S. Pushpa**

1. "Role of Home Science Extension and Mass media Communication for empowering Rural Women" in the book of Research Trends in Home Science and Extension- Volume II published by AkiNik Publications, New Delhi, (National, ISBN: 978-93-5335-609-5); pp.85-93, August 2019.

## TALKS DELIVERED

### Dr. K. S. Pushpa

1. Delivered a talk in Home Science Association Inauguration titled "Career opportunities in Home Science" at V.V.V.College for Women, Virudhunagar on 17.07.2019.
2. Delivered a talk in Human Rights Day celebration titled "Violence Against Women" at Manitham Trust, Dindigul on 10.12.2019.

### Dr. S. S. Vijayanchali

1. Delivered a talk in Women's day celebration titled "Women Health and Safety" at Government Arts College for Women on 05.03.2020.

### Dr. S. Kavitha Maithily

1. Delivered a talk in National Girl Child Day celebration titled "Save the Girl Child, Educate the Girl Child" at RVS Padmavathy College of Horticulture, Sempatti on 24.01.2020.
2. Delivered a talk in Refresher Course in Home Science titled "Recent Trends in 'Human Development'" at UGC – Human Resource Development Centre, Madurai Kamaraj University, Madurai on 10.02.2020.

### Dr. A. Thahira Banu

1. Delivered a talk in Mahila Diwas Kishan Mela titled "Nutri Cereals and their Importance" at KVK Dindigul on 04.02.2020.

## EXTENSION ACTIVITIES

### Dr. K.S Pushpa

1. Organized an Extension Activity at Primary School, Gandhigram to provide awareness on health and nutrition from 1st July, 2019 to 1st November, 2019.
2. Organized field visits and visited the Block Development office at Dindigul on 16<sup>th</sup> August, 2019.

### Dr. R.I. Sathya

1. Organized an Extension Activity at Dr.T.S. Soundram Vidhyalaya, Gandhigram to provide Skill Training from 1st July, 2019 to 1st November, 2019.

### Dr. S.S. Vijayanchali

1. Village Placement Programme was organized at Kallupatti, Dindigul on 27<sup>th</sup> June 2019. Pranik Healing Therapy activity was done in that programme.
2. Village Placement Programme was organized and conducted a rally on Healthy Eating Habits at Kallupatti, Dindigul on 26<sup>th</sup> September 2019.
3. Village Placement Programme was organized and conducted an exhibition on Healthy Living at Kallupatti, Dindigul on 3<sup>rd</sup> October 2019.

### Dr. S.S. Vijayanchali and Dr. R. Sahul Hameed

1. Organized a Poshan Maah Celebrations 2019 and conducted an exhibition on Malnutrition and Healthy Eating at Tagore Block, GRI on 3<sup>rd</sup> October 2019.

### Dr. S. Kavitha Maithily

1. Organized an NLM and conducted a programme of Special Monitoring of Mission Antyodaya and People's Plan Campaign at Mysore District, Karnataka from 2<sup>nd</sup> to 6<sup>th</sup> January, 2020.
2. Attended Gram Sabha meeting of UBA in Chettiyapatti on 26<sup>th</sup> January, 2020.
3. Organized an exposure visit for SHG members in UBA villages on low cost technologies for Rural Development at GRI on 23<sup>rd</sup> February, 2020.
4. Organized field visits and visited the Geriatric care centre of Kasturba Hospital at Gandhigram on 18<sup>th</sup> November, 2019.

### Dr.S. Kavitha Maithily and Dr.A.Thahira Banu

1. Organized UBA and conducted a Diabetic Screening Camp at Chettiyapatti from 19<sup>th</sup> January, 2020 to 25<sup>th</sup> February, 2020.

REGISTRAR

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**Dr.A.Thahira Banu**

1. Organized an Extension Activity at Primary School, Gandhigram to know the nutritional status of the Children from 1<sup>st</sup> July, 2019 to 1<sup>st</sup> November, 2019.

**Dr. R. Sahul Hameed**

1. Organized an Extension Activity at Dr.T.S. Soundram Vidhyalaya, Gandhigram to provide creative activities from 1<sup>st</sup> July, 2019 to 1<sup>st</sup> November, 2019.
2. Organized field visits and visited the Aganwadi centre at Annanagar, Gandhigram on 14<sup>th</sup> August, 2019.

**VISITORS TO THE DEPARTMENT**

| Name of the Visitor                  | Designation and Affiliation   | Purpose  | Date of Visit            |
|--------------------------------------|---|--|--------------------------|
| A.B Rajesh                           | PA Foot Wear Pvt Ltd Chennai  | Guest Lecture  | 02.07.2019               |
| A Patrick Meehan<br>And His students | Canterbury University   | Interaction with Students (MSc Final year) regarding Education system                | 30.07.2019               |
| Prof Anjali Karolia                  | Professor, M S University, Baroda   | PhD Viva Voce  | 17.07.2019               |
| Dr Pankajam                          | Former Vice chancellor, GRI   | Inauguration of Home Science Association   | 19.08.2019               |
| Dr. V.Gadgar                         | Regional Director NIPCCD, GOI, New Delhi  | Guest Speaker  | 29.08.2019               |
| Dr Krishnamoorthy                    | Additional Director NIPCCD, GOI, New Delhi  | Valedictory Address  | 30.08.2019               |
| Dr Naveedha Khatoon                  | NIPCCD, Bangalore   | Coordinated the Training Programme   | 28.08.2019 to 30.08.2019 |
| Mr Gobinath                          | Sub Inspector of Police, Chennai  | Alumina of the Department- Interacted with Students                                  | 18.09.2019               |
| Mr B.N Tiwari                        | MHRD, GOI   | Inaugurated- Poshan Abiyan Exhibition  | 03.10.2019               |
| Dr A.J Asirvatham                    | Diabetologist<br>AJ Hospitals Madurai   | Dr T.S Soundaram, Endowment lecture  | 30.10.2019               |
| Dr D Vijayalakshmi                   | Professor, Department Food Science and Nutrition, UAS, Bangalore                                      | PhD Viva Voce  | 04.12.2019               |
| Dr S Kavitha Maheswari               | Head, Department of Nutrition & Dietetics, Government College for Women, Nilakottai                   | Practical Examiner/DC member   | 04.12.2019               |
| Dr Geeta Mahale                      | Prof & Head Department of Textile and Apparel Designing, University of Agricultural Sciences, Dharwad | PhD Viva Voce  | 16.12.2019               |
| M.Rajesh Kumar                       | Chennai Zonal Manager of Talwakers Inshape Private Limited, Chennai                                   | To deliver the Valedictory Address for the Home fest 2019, Alumina of the department | 22.02.2020               |

**STUDENTS / SCHOLARS QUALIFIED IN CSIR-JRF / NET / SET / GATE / TET / TNPSC / UPSC etc., EXAMINATIONS**

| Name of the Student / Scholar | Programme of Study | Name of the Examination Qualified | Name of the Board Conducted the Examination | Month & Year of Passing |
|-------------------------------|--------------------|-----------------------------------|---|-------------------------|
| Vidhyasree. S                 | II MSc FSN         | UGC NET                           | NTA   | 30.12.2019              |
| Rajapriya. K                  | Ph.D Scholar       | CDPO                              | TNPSC                                       | 31.12.2019              |
| Vidhyasree. S                 | II MSc FSN         | CDPO                              | TNPSC                                       | 31.12.2019              |
| Manju Priya P                 | II MSc FSN         | UGC NET                           | NTA   | 30.12.2019              |
| Kowsalya J                    | II MSc FSN         | UGC NET                           | NTA   | 30.12.2019              |

## Department of Computer Science & Applications

### PROFILE

Established in the year 1996, the Department of Computer Science and Applications has emerged as a pioneer in imparting Higher Education on Computer Science among the rural students in this part of the country. The Department has highly qualified faculty members with rich experience in teaching and research. The Department offers two Master's programmes namely, M.C.A. and M.Sc.-IT that lead to rewarding careers opportunities. The department also offers Ph.D. Programme since 2000 and M.Phil. Programme from 2015. Presently, 28 scholars are pursuing their doctoral degrees and 12 scholars have been awarded so far. The thrust areas of research are Digital Image Processing, Medical Image Segmentation & Analysis, Parallel Computing, Object Recognition, MANET, Cloud Computing, Internet of Things, Network Security, Information Security and Bigdata Analytics. The Department also offers Courses on Computer Science for all UG & PG programmes. The Faculty of the Department handle funded research projects by UGC, ICMR and DST and presently seven funded projects to the tune of more than Rs. 2 Crores have been carried out. In recognition of its research credentials, the Department has received funds under UGC-Special Assistance Programme (Rs.41 Lakhs) and DST-FIST Level-I (Rs.45 Lakhs). To disseminate the knowledge on Computer Science & Information Technology, the Department has successfully organized Four National Conferences and a Refresher Course. As part of its Extension activities, the Department promotes Computer Literacy and Education among the rural school teachers and students. It is also involved in devising and developing expert systems for rural development. To cap it all, the Department has been sanctioned Rs.1.25 Crores under UGC Indo-US Knowledge Initiative Award 2015.



### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme                       | Year of Introduction |
|-------|---------------------------------|----------------------|
| 1.    | Ph.D.                           | 2000                 |
| 2.    | M.Phil.                         | 2015                 |
| 3.    | Master of Computer Applications | 1995                 |
| 4.    | B.Sc. (CS)                      | 2019                 |

### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty    | Designation         |
|-------|------------------------|---------------------|
| 1.    | Dr.P.Shanmugavadivu    | Professor & Head    |
| 2.    | Dr.P.Kalavathi         | Associate Professor |
| 3.    | Dr.M.Mary Shanthi Rani | Assistant Professor |
| 4.    | Dr.S.Sivagurunathan    | Assistant Professor |
| 5.    | Dr.T.Kalaiselvi        | Assistant Professor |
| 6.    | Dr.N.Senthilkumaran    | Assistant Professor |

## THRUST AREAS OF RESEARCH

- i. Digital Image Processing
- ii. Medical Image processing & Analysis
- iii. Network Security
- iv. Data Analytics Software Engineering
- v. Parallel Computing
- vi. Information Security
- vii. Cryptography
- viii. Computational Biology
- ix. Medical Image analysis
- x. Software Engineering

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

### Dr.M. Mary Shanthi Rani

1. Organized a University level Webinar on “Healthcare and Artificial Intelligence”, funded by GRI and Bennett University, Greater Noida on 18-05-2020

### Dr.P. Kalavathi & Dr.T.Kalaiselvi

1. Organized a University level One Day Workshop on “Mobile App Development on Health care and Artificial Intelligence”, funded by GRI on 02.08.2019

### Dr.P. Kalavathi

1. Organized a University level One Day Workshop on “Mathematical Techniques for Image and Text Processing”, funded by GRI on 12.09.2019.
2. Organized a University level One Day Seminar on “Mathematical Techniques for Text, Image and Handwriting Analysis” funded by GRI on 13.09.2019.
3. Organized a State level Intercollegiate Meet titled InterFACE 2020, on 13.09.2019.

### Dr.S.Sivagurunathan & Dr.P. Kalavathi

1. Organized University level Placement Training on Aptitude, Technical, Communication and Soft Skills and Programming Skills from 08.07.2019 to 12.07.2019.
2. Organized University level Placement Training on Aptitude, Technical and Programming from 15.07.2019 to 19.07.2019.
3. Organized University level Placement Training on Aptitude, Technical, Communication and Soft Skills and Programming Skills from 22.07.2019 to 26.07.2019.
4. Organized University level Placement Training on Aptitude & Technical Skills from 09.12.2019 to 13.12.2019
5. Organized University level Placement Training on Aptitude & Technical Skills from 16.12.2019 to 20.12.2019.
6. Organized University level Placement Training on Aptitude & Technical Skills from 06.01.2020 to 10.01.2020.
7. Organized University level Placement Training on Technical and Aptitude Critical Thinking Puzzle from 20.01.2020 to 24.01.2020.

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

### Dr.P. Shanmugavadivu

1. Attended a National Workshop on “Advanced Deep Learning” organized by Fr. Conceicao Rodrigues College of Engineering, Mumbai during 02-06 December 2019.
2. Attended a State level Training programme on “High Intense Course on Machine Learning with MATLAB” organized by Technical association with Math Works, Coimbatore Institute of Technology during 19-23 October 2019.
3. Attended a National level “Workshop on “Artificial Intelligence” organized by National Institute of Technology, Raipur during 22-26 September 2019.

4. Delivered a talk on “Convolutional Neural Networks” in Two Days State level Workshop on “Deep Learning in Computer Vision using Python Programming” at Department of Computer Science and Applications, Fatima College, Madurai during 23-24 July 2019.
5. Delivered a talk on “Recurrent Neural Networks” in Two Days State level Workshop on Deep Learning in Computer Vision using Python Programming” at Department of Computer Science and Applications, Fatima College, Madurai.during 23-24 July 2019.

#### **Dr.M. Mary Shanthi Rani**

1. Delivered a talk on “Introduction to Machine Learning” in Two Days State level “Workshop on Deep Learning in Computer Vision using Python Programming” at Department of Computer Science and Applications, Fatima College, Madurai during 23-24 July 2019.
2. Delivered a talk on “Nuances of Artificial Neural Networks” in Two Days State level “Workshop on Deep Learning in Computer Vision using Python Programming” at Department of Computer Science and Applications, Fatima College, Madurai.during 23-24 July 2019.
3. Attended a National Workshop on “Advanced Deep Learning” organized by Fr. Conceicao Rodrigues College of Engineering, Mumbai during 02-06 December 2019.
4. Delivered a talk on “Introduction to Machine Learning and Deep Learning and its research prospects in Civil Engineering” in the UGC Sponsored National Conference on Recent Trends and Developments Civil Engineering” at Centre for Rural Technologies, GRI-DU during 12-13 March 2020.
5. Attended a International level webinar on “Global Webinar on AI Solutions for COVID-19” organized by Bennett University, Greater Noida during 25 May 2020.
6. Attended an International level web conference on Advances in Mathematics organized by Department of Mathematics, St. Mary’s College (Autonomous) Thoothukudi - 628001 during 17<sup>th</sup> to 19<sup>th</sup> June 2020.

#### **Dr.P. Kalavathi**

1. Presented a paper titled “Chest X-ray Image Denoising using Nestrov Optimization Method with Total Variation Regularization” in the Third International Conference on Computing and Network Communications (CoCoNet’19) at Indian Institute of Information Technology and Management, Kerala during 18-21 December 2019.
2. Presented a paper titled “Adaptive Switching Weight Mean Filter for Salt and Pepper Image Denoising” in the Third International Conference on Computing and Network Communications (CoCoNet’19) at Indian Institute of Information Technology and Management, Kerala during 18-21 December 2019.
3. Session Chaired in Third International Conference on “Computing and Network Communications (CoCoNet’19)” at Indian Institute of Information Technology and Management, Kerala during 18-21 December 2019.
4. Attended a International level 5-Day Global E-Symposium on “Global Pandemic Outbreak: Role of Technology & Automation (GPORTA)” organized by JAA Mahavidyapeetha, JSS Academy of Technical Education, Noida during 01-05 June 2020.

#### **Dr.T.Kalaiselvi**

1. Presented a paper titled “Brain tumor detection from multimodal MRI brain images using pseudo colouring process” in the “International conference on Recent Trends in Advanced Computing (ICRTAC-DTI 2019)” organized by School of computing science and Engg, VIT, Chennai during 11-12 November 2019.
2. Presented a paper titled “High grade brain tumor segmentation from multimodal MRI images using region adjacency graph and graft hybridization technique” in the “International Conference on Intelligent Digital Transformation (ICIDT 2019)” organized by Sri Ramakrishna Engg College, Coimbatore on 13 July 2019.
3. Session Chaired in the “International Conference on Intelligent Digital Transformation (ICIDT 2019)” at Sri Ramakrishna Engg College, Coimbatore on 13 July 2019.
4. Presented a paper titled “Analytical study on the performance of neural network optimizers in brain tumor detection in MRI of Human Head Scans” in the “International Conference on

Mathematical Modeling and Scientific Computing (ICMMSC)” organized by Dept of Mathematics, GRI-DU on 19-21 July 2019.

5. Session Chaired in the “International Conference on Mathematical Modeling and Scientific Computing (ICMMSC)” at Dept of Mathematics, GRI-DU on 19-21 July 2019.
6. Presented a paper titled “Machine Learning Approach for Abnormality Detection in Human MRI Head Scans using Bilateral Symmetry based Feature Extraction” in the “International Conference on Mathematical Modeling and Scientific Computing (ICMMSC)” organized by Dept of Mathematics, GRI-DU on 19-21 July 2019.
7. Presented a paper titled “Rician noise removal in MRI scans using improved mean hybrid median filtering technique” in the “International Conference on Mathematical Modeling and Scientific Computing (ICMMSC)” organized by Dept of Mathematics, GRI-DU on 19-21 July 2019.

#### **Dr. N. Senthilkumar**

1. Presented paper titled “Operations on sequence analysis of DNA & RNA using Matlab Programming” in the “Third National Conference on Advanced Computing” at Department of Computer Science, Bharathair Univeristy, Coimbatore during 23-24 January 2020.

### **PUBLICATIONS**

#### **PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Refereed Journals as notified by UGC)**

#### **Dr. P. Shanmugavadivu**

1. “Skin Detection Using Hybrid Colour Space of RGB-H-CMYK” in *Progress in Advanced Computing and Intelligent Engineering* (International-978-981-13-1707-1); Vol. 2, pp.75-83, 2019.
2. “Effective Diagnosis of Alzheimer’s disease using Modified Decision Tree Classifier” in *Procedia Computer Science* (International-1877-0509); Vol. 165, pp.548-555, 2019.
3. “MR Brain Image Segmentation Using k-Means Clustering and Expectation Maximization” in *Journal of Computational and Theoretical Nanoscience* (International-1546-1955); Vol. 16(8), August 2019.
4. “Mammogram Mass Segmentation Using Fractals” in *Journal of Computational and Theoretical Nanoscience* (International-1546-1955); Vol. 16(8), August 2019.
5. “Cuckoo Search Based Forest Cover Classification” in *Journal of Computational and Theoretical Nanoscience* (International-1546-1955); Vol. 16(8), August 2019.

#### **Dr.M.Mary Shanthi Rani**

1. “ELM Autoencoder using Neuron Selection and Activation Functions for Effective Compression” in *International Journal of Advanced research in Basic Engineering Sciences and Technology* (International-2456-5715); Vol. 06, pp.15-24, March 2020.
2. “Integrated HNAS Network Model Based Lossless Compression with Data Hiding using Parity Check in Medical Images” in *International Journal of innovative Technology and Exploring Engineering* (International-2278-3075); Vol. 09, pp. 2656-2562, February 2020.
3. “Tomato Leaf Disease Prediction using Convolution Neural Network” in *International Journal of innovative Technology and Exploring Engineering* (International-2278-3075); Vol. 09, pp. 1348-1352, November 2019.
4. “A Review on detection of Diabetic Retinopathy” in *International Journal of Scientific and Technology Research* (International-2277-8616); Vol. 09, pp. 1922-1924, February 2019.

#### **Dr.P.Kalavathi**

1. “Brain Tissue Segmentation in MRI Brain Images Using Histogram Based Swarm Optimization Techniques” in *Current Medical Imaging Reviews* (International-1875-6603); Vol. 16(6), pp. 752-765, 2020.
2. “A near lossless three-dimensional medical image compression technique using 3D-discrete wavelet transform” in *Biomedical Engineering and Technology* (International-1752-6426); 2019.

3. "On a Hybrid Lossless Compression Technique for Three Dimensional Medical Images" in Journal of Applied Clinical Medical Physics (International-1526-9914); March 2020.

**Dr.T.Kalaiselvi**

1. "Deriving tumor detection models using convolutional neural networks from MRI of human brain scans." in International Journal of Information Technology. 2020.
2. "Development of automatic glioma brain tumor detection system using convolutional neural networks" in International Journal of Imaging systems and Technology, 2020.
3. "A deep learning approach for brain tumour detection system using convolutional neural networks" in International Journal of Dynamical Systems and Differential Equations; 2020.

**PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Reputed Journals as notified by UGC)**

**Dr. P.Shanmugavadivu and Dr.M.Mary Shanthi Rani**

1. "A Review on Detection of Malignant Breast Tumours using Deep Learning" in National of Our Heritage (National-0474-9030); Vol. 68, January 2020

**Dr.P.Kalavathi**

1. "Analysis of File Formats and Lossless Compression Techniques for Medical Images" in International Journal of Scientific Research in Computing (International-2581-9283); Vol. 1(1), January 2020.

**Dr.T.Kalaiselvi**

1. "Deriving tumor detection models using convolutional neural networks from MRI of human brain scans." in International Journal of Information Technology (International); pp.01-06, 2020.
2. "Development of automatic glioma brain tumor detection system using convolutional neural networks" in International Journal of Imaging systems and Technology (International), 2020.
3. "A deep learning approach for brain tumour detection system using convolutional neural networks" in International Journal of Dynamical Systems and Differential Equations (International), 2020.

**PAPERS IN NATIONAL / INTERNATIONAL CONFERENCE PROCEEDINGS**

**Dr.P.Kalavathi**

1. "Significance of ROI based Coding on Lossy and Lossless Medical Image Compression" in Third National Conference on Advanced Computing (NCAC – 2020) (National-978-93-89105-32-2); pp. 251-254, January 2020.
2. "Automated Detection of Alzheimer's Disease using Brain MR Images - a Review" in Third National Conference on Advanced Computing (NCAC – 2020)(National-978-93-89105-32-2); pp. 01-06, January 2020.
3. "Adaptive Switching Weight Mean filter for Salt and Pepper Image Denoising" in Procedia Computer Science, Elsevier (International-1877-0509); pp. 292-301, December 2019.
4. "Chest X-Ray Image Denoising Using Nesterov Optimization Method with Total Variation Regularization" in Procedia Computer Science, Elsevier (International-1877-0509); pp. 1961-1969, December 2019.
5. "Neo-Hybrid Composite Routing Metric for RPL" in Procedia Computer Science, Elsevier (International-1877-0509); pp. 1819-1828, December 2019.

**Dr.T.Kalaiselvi**

1. "Brain Tumor Detection from Multimodal MRI Brain Images using Pseudo Coloring Processes" in International Conference on Recent Trends in Advanced Computing (ICRTAC 2019), Procedia Computer Science (International), Vol.165, pp. 173-181, 2019.

**Dr. N. Senthilkumaran**

1. "Operations on Sequence Analysis of DNA and RNA using MATLAB programming" in Proceedings of 3<sup>rd</sup> National Conference on Advanced Computing, Coimbatore Institute of Information Technology, Coimbatore, (National-978-93-89105-32-2), Vol.1(1), pp. 211-215, January 2020.

## CHAPTERS PUBLISHED

### Dr. P. Shanmugavadivu

1. "Alzheimer's Disease Classification Using Machine Learning Algorithms" in the book of Advances in Computerized Analysis in Clinical and Medical Imaging (International-9781138333291); pp. 117-134, October 2019.

### Dr. P. Shanmugavadivu and Dr. M. Mary Shanthi Rani

1. "Recommender System with Machine Learning and Artificial Intelligence: Practical Tools and Applications in Medical, Agricultural and Other Industries" in the book of Temporal Change Analysis-Based Recommender System for Alzheimer Disease Classification published by John Wiley & sons, (International-978-1-119-71157-5); pp. 351-371, June 2020.
2. "Recommender System with Machine Learning and Artificial Intelligence: Practical Tools and Applications in Medical, Agricultural and Other Industries" in the book of Machine Learning-Based Recommender System for Breast Cancer Prognosis published by John Wiley & sons, (International-978-1-119-71157-5); pp. 121-140, June 2020.

### Dr. M. Mary Shanthi Rani and Dr. P. Shanmugavadivu

1. "Deep Learning based Food Calorie Estimation" in the book of Computational Intelligence. Theoretical Advances and Advanced Applications published by De Gruyter, (International-978-3-11-065524-7); pp. 197-208, April 2020.

### Dr. M. Mary Shanthi Rani

1. "Application of Ant colony Optimization for Enhancement of Visual Cryptography Images" in the book of Nature Inspired Optimization Techniques for Image Processing Applications published by Intelligent Systems Reference Library, Springer, (International-978-3-319-96002-9); pp. 147-163, 2020.
2. "Adaptive Fractal Image Coding Using Differential Scheme for Compressing Medical Images" in the book of Advances in Computerized Analysis in Clinical and Medical Imaging published by Taylor and Francis, (International-978-1-138333291); pp. 243-252, October 2019.

## TALKS DELIVERED

### Dr. P. Shanmugavadivu

1. Delivered a talk on Revised Parameters of NAAC in National Level Faculty Development Program at K.M.G. College of Arts and Science in June 2020.
2. Delivered a talk on Pathways of Success in Women Empowerment Cell & Women Forum Club at Sri Ram Institute of Technology, Chennai in June 2020.
3. Delivered a talk on Research Prospects of AI – An Interdisciplinary Perspective in Virtual International Conference on Innovation in Interdisciplinary Research, School of Computing at Kalasalingam Academy of Research and Education (Deemed to be University) in June 2020.
4. Delivered a talk on Artificial Intelligence in Computer Vision in Online FDP on Computational Intelligence, PSG College of Arts & Science, Coimbatore in May 2020.
5. Delivered a talk on Artificial Intelligence-An Innovative Paradigm for Smart Computing" Bharathidasan University Entrepreneurship, Innovation & Career Hub, Bharathidasan University, Trichy in May 2020.
6. Delivered a Special Lecture on "Pragmatics of Machine Learning" Department of Computer Science, Sri Ramakrishna College of Arts & Science for Women, Coimbatore in June 2020.
7. Delivered Online Faculty Development Programme on Research Prospects and Promises of Deep Learning in Problem Solving Nallamuthu Gounder Mahalingam College, Pollachi in May 2020.
8. Delivered a talk on Soft Computing in International Conference on Innovations in Physical Science, Information Technology and Social Sciences Sri Vidya Mandir Arts & Science College, Salem in Feb 2020.
9. Delivered a talk in Seminar on Machine Learning and Data Science at P.K.R. Arts College for Women (Autonomous), Gobichettipalayam in February 2020.

10. Delivered a talk on Machine Learning and Image Processing in Second National Seminar on Machine Intelligence at University of Kerala in January 2020.
11. Delivered a talk on Optimization in Neural Networks at Heber International Conference on Applied Actuarial Science, Mathematics, Management and Computer Science, Trichy Bishop Heber, Trichy in January 2020.
12. Delivered a talk on Students-Faculty Interaction in Classrooms at IDP Workshop on Educational Management System and Academic Auditing for Quality Assurance, Tamil Nadu Agricultural University, Coimbatore in January 2020.
13. Delivered a talk on Machine Learning and Deep Learning Applications at Third National Conference on Advanced Computing NCAC-2020, Bharathiar University, Coimbatore in January 2020.
14. Delivered a talk on Deep Learning in Image Processing Applications at International Conference on Recent Advances in Communications and Computing technologies Women's Christian College, Chennai in January 2020.
15. Delivered a talk on Deep Learning and its Applications at UGC-Sponsored Refresher Course in Computer Science, Bharathidasan University in December 2019.
16. Delivered a talk in the 11<sup>th</sup> Annual Research Congress at Karpagam Academy of Higher Education in November 2019.
17. Delivered a talk on Recent Trends in Computing Research in Refresher Course on Recent Trends in Computing Research University of Madras, Chennai in November 2019.
18. Delivered a talk in the Refresher Course in Computer Applications (ID) for the University and College Teachers Bharathiar University, Coimbatore in September 2019.
19. Delivered a talk on The Pathway of Writing Effective Research Proposals in National Level Seminar on Research Methodologies and Documentation at Muthayammal Engineering College in August 2019.
20. Delivered a talk on Disruptive Innovation in Higher Education Curriculum-Quality Enhancement of Digital Natives and Promoting Social Equity in One-Day NAAC sponsored National Seminar Fatima College, Madurai in August 2019.
21. Delivered a talk in One day National Seminar on Quality Assurance at Mangayarkarasi College of Arts and Science for Women in August 2019.
22. Delivered a talk on New Horizons of Machine Learning National level seminar, Nehru Memorial College in August 2019.
23. Delivered a talk on Research Prospects of Deep Learning in International Seminar on Recent Advancements in Computer Applications, Government Arts College for Women, Nilakottai, Dindigul in August 2019.

#### **Dr.P.Kalavathi**

1. Delivered a talk on A Near Lossless Medical Image Compression for Telemedicine Applications in International Conference on Contemporary Trends in Computer Science, J.J. College of Arts and Science in September 2019.
2. Delivered a talk on Cybercrime against Women: Challenges & Legal Support in International Seminar on Women Issues in the Digital Era, Mother Teresa Women's University, Kodaikanal in September 2019.

#### **Dr. S.Sivagurunathan**

1. Delivered a talk on Cryptography in Association Valediction function of Dept. of Computer Science, Madurai Sivakasi Nadars Pioneer Meenakshi Women's College, Poovanthi, Sivagangai Dist. in February 2020.
2. Delivered a talk on Network Security, Association Function, Dept. of Computer Science, Thiagarajar College, Madurai in September 2019.
3. Delivered a talk on Machine Learning Techniques for IoT in the National Seminar on Computational Mathematics and Machine Learning at Centre for Quantitative Analysis, University of Kerala in October 2019.
4. Delivered the Inaugural Address in the Association Function of Dept. of MCA, Fx College of Engineering, Thirunelveli in December 2019.

- Delivered the talk on Network Security in the Refresher Course at Human Resource Development Centre, MKU, Madurai in February 2020.

### EXTENSION ACTIVITIES

- Village Placement Programme was organized at Chathrapatti, Dindigul during 25.09.2019 to 26.09.2019. Teaching to the Village Students and Balwadi Children, Computer awareness to School children, Shramadhan, Tree Plantation, Interaction with Village Youth (E-Governance Awareness), Cultural Programmes and Conducting Sports to School Students was done in that programme.

### VISITORS TO THE DEPARTMENT

| Name of the Visitor            | Designation and Affiliation   | Purpose   | Month and Year of Visit |
|--------------------------------|---|---|-------------------------|
| Dr. A.Saleem Raja              | Faculty-IT, Department of Information Technology, Shinas College of Technology, Oman                      | One Day Workshop on Mobile App Development  | 02.08.2019              |
| Mr. Shivankumara Palaiahnokote | Faculty of Computer Science and Information Technology University of Malaya (UM), Kuala Lumpur, Malaysia. | One Day Workshop on Mathematical Techniques for Image and Text Processing           | 12.09.2019              |
| Mr. Shivankumara Palaiahnokote | Faculty of Computer Science and Information Technology University of Malaya (UM), Kuala Lumpur, Malaysia. | One Day Seminar on Mathematical Techniques for Text, Image and Handwriting Analysis | 13.02.2020              |
| Mr.S.Balachandar               | Co-Funder, Spanugo Systems, Chennai   | Chief Guest, Interface 2020   | 05.03.2020              |

### STUDENTS / SCHOLARS QUALIFIED IN CSIR-JRF / NET / SET / GATE / TET / TNPSC / UPSC etc., EXAMINATIONS

| Name of the Student / Scholar | Programme of Study     | Name of the Examination Qualified | Name of the Board Conducted the Examination | Month & Year of Passing |
|-------------------------------|------------------------|-----------------------------------|---|-------------------------|
| S. Dhamodharan                | Ph. D Research Scholar | NET                               | NTA-UGC                                     | December 2019           |



**REGISTRAR**  
Gandhigram Rural Institute  
(Deemed to be University)  
Gandhigram - 624 302.  
Dindigul Dist, Tamilnadu.

## Centre for Rural Technology

### PROFILE

The Centre for Rural Technology was established in the year 1987 with focus on promoting cost effective building technologies in Rural Housing with the following objectives

- ✓ Develop appropriate / Alternate Habitat technologies and delivery systems.
- ✓ Collaborate with the government for habitat development through sustainable technology plans.
- ✓ Develop youth cadres for Science & Technology delivery and transfer.
- ✓ Academic course was started with B.Tech Rural Technology in 1987, upgraded to B.Tech Civil programme from 2005 onwards.



### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme                 | Year of Introduction |
|-------|---------------------------|----------------------|
| 1.    | Ph.D in Civil Engineering | 2002                 |
| 2     | B.Tech Civil Engineering  | 2005                 |

### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty | Designation          |
|-------|---------------------|----------------------|
| 1     | Dr.K.Mahendran      | Professor & Director |
| 2     | Mrs.B.Sangeethavani | Assistant Professor  |
| 3     | Mr.R. T.Balamurali  | Assistant Professor  |

### THRUST AREAS OF RESEARCH

- i. Low cost Housing
- ii. Mud based Technology
- iii. Geo-polymer Concrete
- iv. High performance Concrete
- v. Nano composite building materials

### CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

#### Dr. K.Mahendran

1. Organized a National Conference on "Recent Trends and Developments in Civil Engineering" funded by UGC, New Delhi from 12-13 March, 2020.

### PUBLICATIONS

Gandhigram Rural Institute  
(Deemed to be University)  
Gandhigram - 624 302.  
Dindigul Dist, Tamilnadu.

## PAPERS IN NATIONAL / INTERNATIONAL CONFERENCE PROCEEDINGS

### Dr. K.Mahendran

1. "Experimental study on stabilised mud blocks with the combination of bio-enzyme and alkaline solution" Proceedings of National Conference on Recent Trends and Developments in Civil Engineering (National-9-789389-044096), Pp. 138-142; March 2020.
2. "A high strength Geopolymer concrete using copper slag as a fine aggregate" Proceedings of National Conference on Recent Trends and Developments in Civil Engineering (National-9-789389-044096), Pp. 187-192; March 2020.
3. "Performance of Industrial slag on dry compressive strength of mud based Geopolymeric masonry blocks" Proceedings of National Conference on Recent Trends and Developments in Civil Engineering (National-9-789389-044096), Pp. 354-359; March 2020.
4. Role of cuprum waste on water absorption of mud based Geopolymeric paver blocks" Proceedings of National Conference on Recent Trends and Developments in Civil Engineering (National-9-789389-044096), Pp. 360-364; March 2020.
5. "Effect of fayalite slag on wet compressive strength of mud based Geopolymeric masonry blocks" Proceedings of National Conference on Recent Trends and Developments in Civil Engineering (National-9-789389-044096), Pp. 365-370; March 2020.

### Mrs.B.Sangeethavani

1. "A Study on Compressed Stabilized Earth block (CSEB) With Geo- Polymeric Binders" Proceedings of National Conference on Recent Trends and Developments in Civil Engineering (National-9-789389-044096), Pp. 148-152; March 2020.

### Mr.R.T.Balamurali

1. "Study on Self Compacting Geopolymer Concrete with various ratios of alkaline activator solution" Proceedings of National Conference on Recent Trends and Developments in Civil Engineering (National-9-789389-044096), Pp. 200-206; March 2020.
2. "Study on Light Weight Geopolymer Concrete Using EPS Beads and Coir Fibre" Proceedings of National Conference on Recent Trends and Developments in Civil Engineering (National-9-789389-044096), Pp. 207-21; March 2020.

## BOOKS PUBLISHED

### Dr. K.Mahendran

1. National Conference on Recent Trends and Developments in Civil Engineering, Paandit Publications (National, ISBN-9-789389-044096), pp.370, March 2020.

## EDITED BOOKS PUBLISHED

### Dr. K.Mahendran

1. Published a book on "Modern Trends in Renewable Energy Technology" in Cambridge Scholar Publishing, pp, 111; (ISBN / ISSN: 978-15-27538-84-9); 2019.
2. Published a book on "Vegetable oil as sustainable fuel for CI engine" in LAP LAMBERT Academic Publishing, pp, 123; (ISBN / ISSN: 978-620-0- 43298-8); 2019.

### Dr. K.Mahendran & Mr.R.T.Balamurali

1. "Geopolymer Concrete Technology for skill Development of Concrete Industry – A Review" in the book of Education and Skill Development by APH Publishing Corporation, New Delhi, (National-978-93-88316-72-9); pp. 74-75, 2020.

### Mr.R.T.Balamurali

1. "Alternate Building materials for sustainable Development in Construction Sector – A Review" in the book of Education and Skill Development by APH Publishing Corporation, New Delhi, (National-978-93-88316-72-9); pp. 147-153, 2020.
2. "A Comprehensive study on Cost Effective Building Materials and Construction Techniques for Sustainable Rural Development" in the book of Education and Skill Development by APH Publishing Corporation, New Delhi, (National-978-93-88316-72-9); pp. 181-191, 2020.

## EXTENSION ACTIVITIES

1. Dr.K.Mahendran and Mr.R.T.Balamurali coordinated the Village Placement Programme at Munnilaikottai, from 23.09.2019 to 29.09.2019.

## Centre for Rural Energy

### PROFILE

Centre for Rural Energy has been established in the year 1998. With support of Ministry of New and Renewable Energy, Renewable Energy Park has been established in the year 2000. UGC has sanctioned Certificate Course in Energy Auditing in the year 2010. Centre has been accredited by MNRE for the Solar Energy Technician Training programme in the year 2012. In the year 2015, National Institute of Solar Energy affiliated GRI as a nodal centre for "Suryamitra Skill Development Programme". Sector Skill Council for Green Job affiliation has been obtained in the year 2016. MNRE Accredited GRI as a nodal Centre for MNRE-USAID PACE DTA Programme from the year 2017. Certificate of appreciation has been given by the Ministry for the Best Suryamitra Institute. MNRE – NISE Accredited Centre for Rural Energy, Gandhigram Rural Institute for organizing "Varunmitra Skill Development Programme" as well as "Solar Roof Top Grid Engineer Training Programme"



### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme   | Year of Introduction |
|-------|---|----------------------|
| 1     | Ph.D  | 2009                 |
| 2     | M.Tech Renewable Energy                           | 2013                 |
| 3     | B.Voc Renewable Energy                            | 2018                 |
| 4     | Certificate Course in Energy Auditing [Part Time] | 2010                 |

### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty | Designation         |
|-------|---------------------|---------------------|
| 1     | Dr.V.Kirubakaran    | Assistant Professor |

### THRUST AREAS OF RESEARCH

- Renewable Energy
- Energy Conservation

**REGISTRAR**  
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Dindigul Dist, Tamilnadu.

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

### Dr. V. Kirubakaran

1. Organized a International level GIAN programme titled “Green Projects Supply Chain Management” funded by NHRD in collaboration with IIT-K from 30.06.2019 to 11.07.2019.
2. Organized a State level PCRA Sponsored programme titled “Energy Conservation in Agriculture Sector” funded by PCRA on 25.02.2020.
3. Organized a University level Workshop titled “Soft Skills” funded by GRI from 22.01.2020 to 23.01.2020.

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

### Dr. V. Kirubakaran

1. Attended a University level workshop on “PFMS” organized by GRI on 09 – 10 March, 2020.
2. Delivered a Talk on “Energy Conservation” in University level Special lecture programme in Energy Conservation Day Celebrations at GRI on 14 December 2019.
3. Delivered a Talk on “Rural Energy Planning” in State level Regional Planning Workshop on UBA for participating Institutions at GRI on 26 July 2019.
4. Delivered a Talk on “Rural Energy Planning” in State level Regional Planning Workshop on UBA for participating Institutions on 06 February 2020 at GRI.

## PUBLICATIONS

### Papers Published In National / International Refreed Journals

### Dr. V. Kirubakaran

1. “Devolatilization Kinetics of Sewage Sludge” in Indian Journal of Environmental Protection, (National-02537141), Vol 07, No. 39, Pp. 669-672, July 2019.
2. “Photo Voltaic (PV) Cell Characteristics Design Using M.File In Matlab” in International Journal of Innovative Technology and Exploring Engineering, (Interenational-2278-3075), Vol 09, No. 3, Pp. 55-57, January 2020.
3. “Validation of Shadow Effects on Solar Photovoltaic Modules Based on Module Positioning” in International Journal of Innovative Technology and Exploring Engineering, (Interenational-2278-3075), Vol 09, No. 3, Pp. 1017-1022, January 2020.
4. “A critical review on hybrid renewable energy based micro-grid system for sustainable development” in International Journal of Critical Reviews, (International-2394-5125), Vol 07, No.12, Pp. 432-436 May 2020.
5. “A Critical Review of Artificial Neural Networks Based Maximum Power Point Tracking Techniques” in International Journal of Critical Reviews, (International-2394-5125), Vol 07, No.12, Pp. 400-412 May 2020.
6. “Solar Dryer Integrated with Thermal Energy Storage Systems for the Preparation of Dry Grapes in the Farmyard: Sustainable Rural Farming Approach” in International Research Journal of Chemistry and Environment, (International-2278-4527), Vol 24, Pp. 60-65 January 2020.
7. “Renewable Energy Integrated Waste Water Treatment For Handloom Dying Units: An Experimental Study” in International Research Journal of Chemistry and Environment, (International-2278-4527), Vol 24, Pp. 66-69 January 2020.
8. “Carbon Pay Back Period Analysis of On Grid and Off Grid Solar PV System” in International Journal of Adv Research in Dynamical & Control Systems, (International-1943-023X), Vol 12, No.05, Pp. 133-139 April 2020.
9. “Repowering opportunities of wind Turbines in the State of Tamilnadu India: A systematic review” in National Journal of Juni Khyat, (National-2278-4632), Vol 10, Pp. 170-185, May 2020.

## PAPERS IN NATIONAL / INTERNATIONAL CONFERENCE PROCEEDINGS

### Dr. V. Kirubakaran

1. “Renewable Energy Integrated Waste Water Treatment For Handloom Dying Units: An Experimental Study” Proceedings of International conference on Renewable Energy and Sustainable Environment, (International-978-93- 5235-155-8), Dr.Mahalingam College of Engineering, Pollachi, Pp. 113; December 2019.

2. "Solar Dryer Integrated with Thermal Energy Storage Systems for the Preparation of Dry Grapes in the Farm Yard: Sustainable Rural Farming Approach" Proceedings of International conference on Renewable Energy and Sustainable Environment, (International-978-93- 5235-155-8), Dr.Mahalingam College of Engineering, Pollachi, Pp. 112; December 2019.
3. "Feasibility Study of Production of Bio ethanol for Beta Vulgaris for Replacing Fossil Fuel Waste Management towards Circular Economy" Proceedings of 9<sup>th</sup> International Conference on SWM, (International-978-93-5391-84-5), Kalinga Institute of Industrial Technology, KIIT Deemed to be University, Bhubaneswar, Pp. 19; November 2019.
4. "Experimental Study on Continuous Feed Down Draft Gasifier for Rice Husk" Proceedings of 9<sup>th</sup> International Conference on SWM, (International-978-93-5391-84-5), Kalinga Institute of Industrial Technology, KIIT Deemed to be University, Bhubaneswar, Pp. 18; November 2019.
5. "Optimization of biogas plant performance: A case study" Proceedings of 9<sup>th</sup> International Conference on SWM, (International-978-93-5391-84-5), Kalinga Institute of Industrial Technology, KIIT Deemed to be University, Bhubaneswar, Pp. 17; November 2019.
6. "Biogas Fed Solid Oxide Fuel Cells for Rural Electrification" Proceedings of 9<sup>th</sup> International Conference on SWM, (International-978-93-5391-84-5), Kalinga Institute of Industrial Technology, KIIT Deemed to be University, Bhubaneswar, Pp. 17; November 2019.
7. "Carbon Pay Back Period analysis of On Grid and Off Grid Solar PV System" Proceedings of International on Contemporary Engineering and Technology 2020, (International-978-93-81288-22-1), Organization of Science & Innovative Engineering and Technology, Pp. 17; March 2020.
8. "Feasibility Study of Extraction of Bio-Oil from Leucaena leucocephala Seeds for Sustainable Habitat Development" Proceedings of National Conference on Energy and Chemicals from Biomass (NCECB), (International-978-0-7354-1984-1), Pondichery Engineering College, Pondichery, Vol.2225, Pp. 040005-1 to 040005-5; January 2020.
9. "Establishing Auto Gasification of Tea Waste" Proceedings of National Conference on Energy and Chemicals from Biomass (NCECB), (International-978-0-7354-1984-1), Pondichery Engineering College, Pondichery, Vol.2225, Pp. 050006-1 to 050006-4; January 2020.
10. "Bio Char and Syngas Production from Coconut Shell by Pyrolysis: An Experimental Study" Proceedings of National Conference on Energy and Chemicals from Biomass (NCECB), (International-978-0-7354-1984-1), Pondichery Engineering College, Pondichery, Vol.2225, Pp. 040004-1–040004-5; January 2020.

## BOOKS PUBLISHED

### Dr. V. Kirubakaran

1. Published a book on "Modern Trends in Renewable Energy Technology" in Cambridge Scholar Publishing, pp, 111; (International, ISBN / ISSN: 978-15-27538-84-9); 2019.
2. Published a book on "Vegetable oil as sustainable fuel for CI engine" in LAP LAMBERT Academic Publishing, pp, 123; (International, ISBN / ISSN: 978-620-0- 43298-8); 2019.

## CHAPTERS PUBLISHED

### Dr. V. Kirubakaran

1. "Enhancement of Compost Rate by Adding Microbes: A Comparative Study on Nutritional Values" in the book of Bio resource Utilization and Bioprocess by Springer, Singapore, (International, ISSN. 978-981-15-1607-8); pp. 213-222, 2020.
2. "A Comprehensive Study of Food Waste to Biogas Plant: Paths to Improve the Performance—A Case Study" in the book of Bio resource Utilization and Bioprocess by Springer, Singapore, (International, ISSN. 978-981-15-1607-8); pp. 01-12, 2020.
3. "Experience of Swachh Bharat Mission with Focus on Swachh Energy: An Experience in Silvarpatti Village of Dindigul District, Tamil Nadu" in the book of Solid Waste Policies and Strategies: Issues, Challenges and Case Studies by Springer, Singapore, (International, ISSN. 978-981-15-1543-9); pp.113-126, 2020.
4. "Bio-and Thermochemical Conversion of Poultry Litter: A Comparative Study" in the book of Energy Recovery Processes from Wastes by Springer, Singapore, (International, ISSN. 978-981-32-9228-4); pp.201-211, 2020.

**REGISTRAR**

Gandhigram Rural Institute  
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Gandhigram - 624 302.  
Dindigul Dist, Tamilnadu.

*The Gandhigram Rural Institute (Deemed to be University) – Annual Report (2019-20)*

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## TALKS DELIVERED

### Dr. V. Kirubakaran

1. Delivered a talk on “Waste to Energy for Sustainable Habitat Development” in AICTE Sponsored National Level Short Term Training Programme at Hindustan Institute of Technology, Coimbatore on 03 March 2020.
2. Delivered an Inaugural Address in a 2<sup>nd</sup> International Conference on “New Scientific Creations in engineering & Technology (ICNSCET 20)” at Nadar Saraswathi College of Engineering & Technology, Theni on 14<sup>th</sup> March 2020.

## EXTENSION ACTIVITIES

### Dr. V. Kirubakaran

1. Conducted Energy conservation Awareness Programme at Villages in Dindigul District; from 01.05.2019 to 31.03.2020

## STUDENTS / SCHOLARS ON EXCHANGE VISITS

| Name of the Students/<br>Scholar | Programme of Study             | Country Visited | Institution Visited | Nature of Visit  | Duration of Visit | Period of Visit |            | Sponsoring Agency |
|----------------------------------|--------------------------------|-----------------|---------------------|------------------|-------------------|-----------------|------------|-------------------|
|                                  |                                |                 |                     |                  |                   | From            | To         |                   |
| Bhuvana<br>Varadha V.P.          | M.Tech.<br>Renewable<br>Energy | India           | IITM                | Winter<br>School | 15 days           | 14.02.2020      | 01.03.2020 | DAAD<br>Germany   |
| Gerard<br>Irudaya<br>Santiago    | M.Tech.<br>Renewable<br>Energy | India           | IITM                | Winter<br>School | 15 days           | 14.02.2020      | 01.03.2020 | DAAD<br>Germany   |

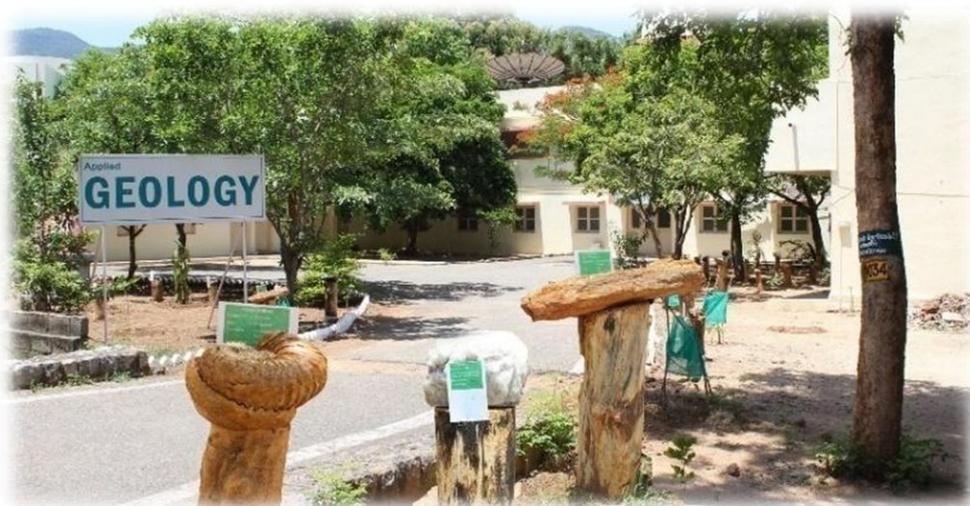


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## Centre for Applied Geology

### PROFILE

The "Centre for Applied Geology" was created during the UGC XI<sup>th</sup> Plan period (2012). In 2012, the Centre for Applied Geology started offering PG- Diploma in Applied Geology and Geomatics and Ph.D in Geology Programmes. In 2013, the PG Diploma course has been elevated to M.Sc. Applied Geology and Geomatics with support under UGC innovative programme. Since 2018 onwards, the Centre started offering B.Sc. Geology and M.Phil- Geology Programmes. A certificate course on Disaster mitigation and management is offered from 2019-20 academic onwards. Within a short span of time, The Centre for Applied Geology has mobilized about Rs.1.9 crores through sponsored Research projects from University Grants Commission (UGC), New Delhi, Council of Scientific and Industrial Research (CSIR), New Delhi, Department of Science and Technology (DST), New Delhi, Anna Institute of Institute of Management (AIM), Chennai and Indian Space Research Organization (ISRO), Bangalore.



### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme  | Year of Introduction |
|-------|--|----------------------|
| 1.    | Ph.D   | 2012                 |
| 2.    | M.Phil   | 2019                 |
| 3.    | M.Sc. Applied Geology and Geomatics                      | 2013                 |
| 4.    | B.Sc. Geology  | 2018                 |
| 5.    | Certificate course on Disaster Mitigation and Management | 2019                 |

### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty | Designation          |
|-------|---------------------|----------------------|
| 1.    | Dr.B.Gurugnanam     | Professor & Director |
| 2.    | Dr.S. Arivazhagan   | Assistant Professor  |

### THRUST AREAS OF RESEARCH

- i. Natural Resource Inventory and Management
- ii. Ground Water Management
- iii. Geo-energy Management
- iv. Geological Eco System Based Development Plans
- v. Natural Disaster Mapping and Management

  
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## PUBLICATIONS

### PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Refereed Journals as notified by UGC)

#### Dr.B. Gurugnanam

1. "Identification of Landslides during 2018 in Wayanad District using Remote Sensing and GIS techniques, Kerala, India" in National Journal of Purakala (National - 0971-2143); vol.31, No.38, Pp.133-148.
2. "Remote Sensing and GIS Application for Shoreline Change Measurement in South East Coastal region of Tamil Nadu, India" in International Journal of Engineering and Advanced Technology (IJEAT) (International), vol.9, No.3, Pp. 2283-2287.
3. "Goelectrical resistivity investigation for hydrogeology conditions and groundwater potential zone mapping of Kodavanan sub-basin, southern India" in International Journal of Sustainable Water Resources Management (International), vol.5, No.3, Pp.1281-1301.

### PAPERS IN NATIONAL / INTERNATIONAL CONFERENCE PROCEEDINGS

#### Dr.S.Arivazhagan

1. "Lithological and Chronological Discrimination of Lunar Mare Moscoviense by Using Lunar Orbital Data", in 51<sup>st</sup> Lunar and Planetary Science Conference, Lunar Planetary Institute, USA, (International), March 2020.
2. "Oddanchatram Anorthosite Complex, Southern India": Akin To The Lunar Highland PAN Assemblages?" in 51<sup>st</sup> Lunar and Planetary Science Conference, Lunar Planetary Institute, USA, (International), March 2020.

## TALKS DELIVERED

#### Dr.S.Arivazhagan

1. Delivered a talk on "Research Innovation and Extension" in 7-day faculty development programme on revised accreditation Process (RAF) of NAAC at Rajapalayam Raju's college, Rajapalayam.

## EXTENSION ACTIVITIES

#### Dr.S.Arivazhagan

1. Village Placement Programme (VPP) was organized at Rathinagiri, Alamarathupatti during 23 September 2019 to 28 September 2019.



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## SCHOOL OF AGRICULTURE & ANIMAL SCIENCES

### PROFILE

The School of Agriculture and Animal Sciences is one of the oldest faculties established in the year 1956 with a vision of rural development through the production of man power in Agriculture and allied sectors. With this in view, the School of Agriculture and Animal Sciences is offering two major programmes in Agriculture viz., B.Sc. Agriculture (Hons.) and Diploma in Agriculture.



### Vision

- To develop the School of Agriculture and Animal Sciences as a national centre with regional focus winning reputation for academic excellence in Agricultural Education and Research that would catalyze knowledge based Agricultural growth and development. Every student is inspired to learn and empowered to excel.
- To create, transmit and apply agriculture technology to ensure sustainability in agricultural production in this era of climate change for improving the quality of life of farming community of this region.
- To impart value based agriculture education and to generate agriculture graduates with ethical and moral values who will be change agents for Integrated Rural Development.

The thrust areas would also include Indigenous Knowledge, Better Farming and Farm Technology Transfer, Agro-Engineering and Organic Farming and Sustainable Agriculture.

### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme                      | Year of Introduction |
|-------|--------------------------------|----------------------|
| 1.    | Ph.D.                          | 1993                 |
| 2.    | B.Sc. (Hons.) Agriculture      | 2012                 |
| 3.    | Diploma in Agriculture         | 1980                 |
| 4.    | Diploma in Organic Agriculture | 2018                 |

### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty   | Designation |
|-------|-----------------------|-------------|
| 1.    | Dr. T. T. Ranganathan | Professor   |
| 2.    | Dr. R. Udhayakumar    | Professor   |
| 3.    | Dr. T.Senthivel       | Professor   |
| 4.    | Dr. S. Ganesh         | Professor   |
| 5.    | Dr. M. Seethalakshmi  | Professor   |
| 6.    | Dr. G. S. Kannan      | Professor   |
| 7.    | Dr. M. Sundaramari    | Professor   |
| 8.    | Dr. A. Ramanathan     | Professor   |

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## THRUST AREAS OF RESEARCH

- i. Organic Farming and Sustainable Agriculture
- ii. Crop Management and Nutrient management
- iii. Indigenous Knowledge and Ethno-botany
- iv. Animal Management

## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES ATTENDED

### Dr. S. Ganesh

1. Participated in National level Webinar of Turn the challenges to opportunities: COVID-19 Pandemics and measures to combat in higher education of India at NAAC, Bangalore on 28.05.2020.
2. Attended the FDP programme which organized by IQAC, GRI during 18.06.2020 to 19.06.2020.

### Dr. M. Sundaramari

1. Participated in National level Webinar of Turn the challenges to opportunities: COVID-19 Pandemics and measures to combat in higher education of India at NAAC, Bangalore on 28.05.2020.
2. Attended the FDP programme which organized by IQAC, GRI during 18.06.2020 to 19.06.2020

### Dr. G. S. Kannan

1. Attended the FDP programme which organized by IQAC, GRI during 18.06.2020 to 19.06.2020

## PUBLICATIONS

### PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS (Research Publications in Refereed Journals as notified by UGC)

#### Dr.M. Sundaramari

1. "Impact of Mahatma Gandhi National Rural Employment Scheme (MGNREGS) on Paddy Cultivation in Palakkad District of Kerala" published in Journal of Extension Education, TNAU (National, ISBN 0971-3123), Vol.31, No.2, pp.6280-6287, (2019).
2. "Study on the Perception of Rice Farmers Towards the Effectiveness of Indigenous Wetland Agricultural Practices" published in International Journal of Agricultural Sciences (International, ISBN-(P) 0975-3710 and ISSN-0975-9107), Vol.12, No.7, pp.9969-9702, (2020).
3. "Influence of Socio-Personal Characteristics on the Attitude of Farmers towards Indigenous Wetland Agricultural Practices" published in International Journal of Agricultural Science and Research (International, ISBN-(P)2250-0057 and (E) 2321-0087), vol.10, No.3, pp.13-20, June 2020.

#### Dr.S. Ganesh

1. "Influence of fertigation and bio stimulants on yield attributes and quality of tube rose" published in International journal of Emerging technologies and Innovative Research (International, ISBN-2349-5162), Vol.7, No.3, pp.1856-1860, March 2020.

## TALKS DELIVERED

#### Dr.S.Ganesh

1. Delivered a talk on "Factors to be considered while laying out new orchard" at All India Radio, Madurai on 18.07.2019.

#### Dr. G.S. Kannan

1. Delivered a talk on "Bio-agents / Uyiriyal Murai Noi Melanmai Uthigal- Nermugam" at All India Radio, Madurai on 01.01.2020

#### Dr. M. Sundaramari

1. Delivered a talk on "Velanmai Thozhil Nutpangal Paraval Muraigal- Nermugam" at All India Radio, Madurai on 11.12.2019

## Deen Dayal Upadhyay - Kaushal Kendra

### PROFILE

The University Grants Commission (UGC) has launched a specific scheme towards skill development education as part of college/university education, leading to award of Bachelor of Vocation (B.Voc.) Degree (Three Years). The programmes have multiple exits such as Diploma (one year), Advanced Diploma (Two Years) and Degree level (3 years) under the National Skill Qualification Frame work (NSQF). In tune with the Government of India 's skill mission, Deen DayalUpadhyay Center for Knowledge Acquisition and Upgradation of Skilled Human Abilities and Livelihood (KAUSHAL) was established in GRI in September 2015. The B.Voc. Programme is focused on skill development of student youth in universities and colleges, providing undergraduate studies which would also incorporate specific job roles and their National Occupational Standards (NOS) along with broad general education. This would enable the graduates completing B.Voc.to make meaningful participation in accelerating India's economy by gaining appropriate employment, becoming entrepreneurs and creating a pool of manpower with skills.



DDU - KK

### Vision

- Training rural youth through skill based vocational programmes

### Mission

- Developing skills in specific areas to meet the industrial needs
- Enhancing linkages between higher education and industries
- Serve as a finishing school through modular training programmes

### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme   | Year of Introduction |
|-------|---|----------------------|
| 1.    | B.Voc Farm Equipments Operation and Maintenance       | 2015                 |
| 2.    | B.Voc Footwear and Accessories Design                 | 2015                 |
| 3.    | B.Voc Dairy Production and Technology                 | 2017                 |
| 4.    | B.Voc Renewable Energy                                | 2018                 |
| 5.    | B.Voc Food Processing                                 | 2018                 |
| 6.    | B.Voc Food Testing and Quality Evaluation             | 2018                 |
| 7.    | B.Voc Multi Media Production Technology               | 2018                 |
| 8.    | B.Voc Organic Agriculture and Enterprises Development | 2018                 |
| 9.    | Diploma in Two Wheeler Mechanism and Maintenance      | 2014                 |

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## FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty   | Designation  |
|-------|-----------------------|--|
| 1.    | Dr. R. Seerangarajan  | Professor of RIM & Director, DDU-KK                |
| 2.    | Dr. R. Udhayakumar    | Professor of Agriculture & Coordinator             |
| 3.    | Dr. R.I.Sathya        | Professor of Home Science & Coordinator            |
| 4.    | Dr.A. ThahiraBanu     | Asst. Professor of Home Science & Coordinator      |
| 5.    | Dr. R.Sahul Hameed    | Asst. Professor of Home Science & Coordinator      |
| 6.    | Dr. L. Raja           | Professor of Lifelong Learning & Coordinator       |
| 7.    | Dr. R. Venkataravi    | Asso. Professor of Lifelong Learning & Coordinator |
| 8.    | Dr. M. Seethalakshmi  | Professor & Coordinator                            |
| 9.    | Dr. T. Senthivel      | Professor & Coordinator                            |
| 10.   | Dr. V. Kirubakaran    | Asst. Professor & Coordinator                      |
| 11.   | Dr. I. Kaspar Raj     | Director, Computer Centre & Joint Coordinator      |
| 12.   | Dr. M. Sankaramoorthy | Tech. Assistant (LLE) & Joint Coordinator          |

## THRUST AREAS OF RESEARCH

- Creating technical manpower to meet industrial requirements
- Create opportunities for self / wage employment
- Developing entrepreneurial skills to become entrepreneur

## EXTENSION ACTIVITIES

- Dr. R. Seerangarajan, Er. R. Arjunan Muthiah and Mr. R.D.Bala Kalinga Narthana have organized the "Intensive training on Agricultural Mechanization" conducted by SRFMTTI, GoI, Anantapur in collaboration with DDU-KK, GRI to exhibit the Awareness and Field Demonstration of Gender Friendly Equipments during 16.09.2019 to 21.09.2019.
- Dr. R. Udhayakumar, Er. R. Arjunan Muthiah and Mr. R.D.Bala Kalinga Narthana have organized the "Field Demonstration of 4 row Rice Transplanter" conducted by GRI for demonstrating the Operation and maintenance of Rice Transplanter to the 50 farmers who have been participated during 26.12.2019 to 26.12.2019.

## VISITORS TO THE DEPARTMENT

| Name of the Visitor | Designation and Affiliation  | Purpose  | Month and Year of Visit |
|---------------------|--|--|-------------------------|
| Dr. A. Tajuddin     | Accessor nominated by Agriculture Sector Skill Council of India, Gurgaon, Haryana    | Assessment for B.Voc (FEOM) students towards NSQF Level 4 and 100% pass  | 18.10.2019              |
| Dr. X. Alex Isac    | Horticulture Officer, Centre of Excellence for vegetable production, Reddiyarchatram | Visited B.Voc (FEOM) workshop along with 48 Diploma Horticulture students to witness machineries for different agriculture operations. | 04.02.2020              |

  
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## Dr.G.Ramachandran Library

### PROFILE

The Gandhigram Rural Institute Library was established in 1956 and it is moved to the present building during 1987. The Library is named after the Founder Vice-Chancellor Dr. G. Ramachandran and the plinth area of Library is 14338 Sq.ft. It has more than 1.79 lakh books and it subscribes 229 Indian journals in print. It has other documents like Theses, Dissertations, Project Reports and bound volumes. It has computerised circulation system and provided with OPAC facility to search and know the status of documents. KOHA Open Source Software integrated with RFID Technology. Kiosk and Drop Box devices are used for issuing and returning of books. Theses of the institutes are regularly updated to INFLIBNET – Shodhganga Portal.

The Institutional Repositories is created with Greenstone Digital Library Software for Ph.D Theses and Question Bank etc. The e-ShodhSindhu (Online Journals) and e-books facilities are provided to the users with remote access. A separate Digital Knowledge Centre with 40 Computers are available for e-resources access.



### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme | Year of Introduction |
|-------|-----------|----------------------|
| 1     | Ph.D      | 2014                 |

### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty  | Designation                              |
|-------|----------------------|--|
| 1.    | Dr. M. Tamizhchelvan | Deputy Librarian and Librarian in-charge |
| 2.    | Dr. S. Mathurajothi  | Deputy Librarian                         |

### THRUST AREAS OF RESEARCH

- ❖ Users' Study
- ❖ Bibliometric Study
- ❖ ICT Application

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## CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIA / TRAINING PROGRAMMES / BRAINSTORMING SESSIONS ORGANIZED

### Dr. M.Tamizhchelvan

1. Organized a National Workshop on Alert and Access of Online Resources funded by UGC on 25.01.2020.
2. Organized a National Workshop on Accessing E-Resources and Reference Tools funded by UGC on 19.09.2019.
3. Organized a Hands-on-Training on Accessing E-Resources and Reference Tools on 10.10.2019.
4. Organized a Hands-on-Training on Accessing E-Resources and Reference Tools on 18.10.2019.
5. Organized a Hands-on-Training on Accessing E-Resources and Reference Tools on 22.10.2019.
6. Organized a Hands-on-Training on Accessing E-Resources and Reference Tools on 14.11.2019.

## PUBLICATIONS

### PAPERS PUBLISHED IN NATIONAL/INTERNATIONAL JOURNALS (Research Publications in Refereed Journals as notified by UGC)

#### Dr. M.Tamizhchelvan

1. "Bibliometric Analysis of Indian Intelligence: A Study" in *International e-Journal of Library Philosophy and Practice* (International-1522-0222), 12<sup>th</sup> December, 2019.

### PAPERS IN NATIONAL / INTERNATIONAL CONFERENCE PROCEEDINGS

#### Dr. M.Tamizhchelvan

1. "SJR Ranking and RAI, RUAI, UAI: A Comparative Study" in the e-proceedings of the International Conference on Reshaping Librarianship: Innovations and Transformations, Arignar Anna Centrao Library, Bharathiar University, Coimbatore (International – 978-93-5361-879-7); Pp.872-881, 16<sup>th</sup> & 17<sup>th</sup> August, 2019.

## TALKS DELIVERED

#### Dr. M.Tamizhchelvan

1. Act as a Resource Person and delivered a talk on "Effective Utilization of e-resources in Library" in One day National Workshop at Rathnavel Subramaniam College of Arts and Science, Coimbatore on 12<sup>th</sup> Nov, 2019.

## EXTENSION ACTIVITIES

1. "Film Show on Gandhiji and Dr.G.Ramachandran" for students at Dr.G.Ramachandran Library on 18.11.2019.
2. "Book Exhibition" at Dr.G.Ramachandran Library during 19.11.2019 to 20.11.2019.
3. "Book Exhibition" selection & purchase of Books to Departments at Multipurpose Auditorium during 29.01.2020 to 30.01.2020.



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## Physical Education and Yoga Centre

### PROFILE

Physical Education was established in the year 1976. Since inception the department functions with the prime objective of creation of sports awareness among the students of GRI is that most of them hail from the remote villages of Tamil Nadu and other states sports culture among them for the promotion of better sports standards the department facilities the students with training facilities in almost all major trained teams of GRI have made remarkable achievements in district. Inter-University and State Level Completions. The Yoga Centre has been functioning since 2002 which mends the young minds and promotes self discipline and yoga order of life through its yoga programmes.



### ACADEMIC PROGRAMMES OFFERED

| S.No. | Programme                    | Year of Introduction |
|-------|------------------------------|----------------------|
| 1     | Ph.D                         | 2014                 |
| 2     | PG Diploma in Yoga Education | 2015                 |
| 3     | Diploma in Yoga Education    | 2017                 |

### FACULTY MEMBERS WITH DESIGNATION

| S.No. | Name of the Faculty | Designation     |
|-------|---------------------|-----------------|
| 1.    | Dr.Grace Nirmala    | Deputy Director |
| 2.    | Dr.C.Sugumar        | Deputy Director |

### THRUST AREAS OF RESEARCH

- ❖ Effect of Exercise on Body Composition
- ❖ Functional Analysis in Sports & Games
- ❖ Therapeutical importance in Yogic Practices

  
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## EXTENSION ACTIVITIES

1. Organized C Zone Inter School Kho – Kho Tournament (48 students) at GRI, Gandhigram on 06.08.2019.
2. Organized Dindigul District Junior Athletic Meet (73 students) at GRI, Gandhigram on 03.11.2019.

## VISITORS TO THE DEPARTMENT

| Name of the Visitor   | Designation and Affiliation            | Purpose  | Date of Visit |
|-----------------------|--|--|---------------|
| Mr.M.Baskaran         | Deputy Commissioner of Police, Madurai | South Zone Inter University Men Chess Tournament Inauguration                  | 22.12.2019    |
| Mr.Karthikeyan Murali | Chess Grand Master                     | South Zone Inter University Men Chess Tournament Valediction                   | 22.12.2019    |
| Mr.M.Baskaran         | Deputy Commissioner of Police, Madurai | TSS & KSS Volleyball , Basketball & State Level Kabaddi Valediction Tournament | 01.03.2020    |
| Mr.K.Subburaj         | Regional Senior Manager, SDAT, Chennai | TSS & KSS Volleyball , Basketball & State Level Kabaddi Valediction Tournament | 01.03.2020    |

## ACHIEVEMENTS / HONOURS / AWARDS / PRIZES WON BY STUDENTS / SCHOLARS

| Name of the Programme  | Organizer of the Programme, Place and Sponsor                      | Year (Date of award) (DD/MM/YYYY) | Name of the achievements/honour award / prizes/medal | International / National / State / District / University / College level | Name of the Activity | Name of the student |
|--|--|-----------------------------------|--|--|----------------------|---------------------|
| District Volleyball Championship                               | Govt.Hr Sec School Athoor  | 06.07.07.2019                     | Fourth Place   | District   | Sports               | GRI Men Team        |
| 16 <sup>th</sup> Dindigul District Taekwondo Championship      | SDAT Stadium, Dindigul   | 19.07.2019                        | Gold Medal (73kgs Category)                          | District   | Sports               | M.Monashree         |
| 9 <sup>th</sup> Tamilnadu State Poomase Teakwondo Championship | Salem  | 09.08.2019 to 11.08.2019          | Gold Medal   | State  | Sports               | M.Monashree         |
| District Ballbadminton tournament                              | Kalapur, Sivaganga   | 12.08.2019                        | Third Prize & Trophy & Medal                         | District   | Sports               | GRI Men Team        |
| 16 <sup>th</sup> Senior National Roll Ball Championship        | PP Savani Chaitanya Vidya, Sankul Mota Varacha Abrama Road Gujarat | 22.08.2019 to 25.08.2019          | Participated   | National   | Sports               | N.Deepak Raja       |
| District Volleyball Tournament                                 | N.M.K Malaiyur Dindigul  | 17.08.2019                        | Second Prize   | District   | Sports               | GRI Men Team        |
| District Kabaddi Tournament                                    | Thavasimadai, dindigul   | 17,18.08.2019                     | Second Prize Cash Prize Rs. 8003                     | District   | Sports               | GRI Men Team        |
| State Level Open Kabaddi Tournament                            | Paramakudi   | 17&18,Sep 2019                    | Third Prize Rs.14001/-                               | State  | Sports               | GRI Men Team        |

|   |                 |                          |  |                    |        |                       |
|---|-----------------|--------------------------|--|--------------------|--------|-----------------------|
| District Athletic Meet  | SDAT, Dindigul  | 04.10.2019               | Shot-put First                           | District           | Sports | S.Pooja               |
| District Athletic Meet  | SDAT, Dindigul  | 04.10.2019               | 400 Meters Fourth                        | District           | Sports | R.Renuka Devi         |
| Dindigul District Badminton   | SDAT, Dindigul  | 04.10.2019               | Badminton Singles (II) Doubles (I)       | District           | Sports | P.S.Shajan            |
| Dindigul District Badminton   | SDAT, Dindigul  | 04.10.2019               | Badminton Singles (I) Doubles (I)        | District           | Sports | V.Pavithran           |
| Dindigul District Badminton   | SDAT, Dindigul  | 04.10.2019               | Badminton Singles (II) Doubles (I)       | District           | Sports | A.Sangeetha           |
| Dindigul District Badminton   | SDAT, Dindigul  | 04.10.2019               | Badminton Singles (I) Doubles (I)        | District           | Sports | J.Asti Princess Pinky |
| District Athletic Meet  | SDAT, Dindigul  | 04.10.2019               | Long Jump Third                          | District           | Sports | G.P.Srinath           |
| District Athletic Meet  | SDAT, Dindigul  | 04.10.2019               | 1500 M Third                             | District           | Sports | M.Vignesh Perumal     |
| Dindigul District CM Trophy Badminton   | SDAT, Dindigul  | 11 & 12.02.2020          | First Place                              | District           | Sports | GRI Women Team        |
| Dindigul District CM Trophy Badminton   | SDAT, Dindigul  | 11 & 12.02.2020          | Fourth Place                             | District           | Sports | GRI Men Team          |
| Dindigul District CM Trophy Volleyball  | SDAT, Dindigul  | 11 & 12.02.2020          | Third Place                              | District           | Sports | GRI Women Team        |
| Dindigul District CM Trophy Volleyball  | SDAT, Dindigul  | 11 & 12.02.2020          | Second Place                             | District           | Sports | GRI Men Team          |
| Dindigul District CM Trophy Kabaddi   | SDAT, Dindigul  | 11 & 12.02.2020          | Fourth Place                             | District           | Sports | GRI Women Team        |
| Dindigul District CM Trophy Kabaddi   | SDAT, Dindigul  | 11 & 12.02.2020          | Second Place                             | District           | Sports | GRI Men Team          |
| Dindigul District CM Trophy Basketball  | SDAT, Dindigul  | 11 & 12.02.2020          | Fourth                                   | District           | Sports | GRI Women Team        |
| South Zone Inter – University Chess Tournament  | GRI, Gandhigram | 22.12.2019-25.12.2019    | 47 <sup>th</sup> Position                | Inter - University | Sports | GRI Men Team          |
| 32 <sup>nd</sup> State Level Inter-Collegiate Volleyball tournament                     | GRI, Gandhigram | 28.02.2020 to 01.03.2020 | Won Fourth Place (Cash Prize Rs.4000.00) | State              | Sports | GRI Men Team          |
| 27 <sup>th</sup> Kamaraj Sivasubramaniam & Senthilkumar Memorial State Level basketball | GRI, Gandhigram | 28.02.2020 to 01.03.2020 | Won Fourth Place (Cash Prize Rs.4000.00) | State              | Sports | GRI Men Team          |
| 2 <sup>nd</sup> State Level Inter – Collegiate Kabaddi tournaments                      | GRI, Gandhigram | 29.02.2020 to 01.03.2020 | First Place                              | State              | Sports | GRI Men Team          |



  
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## Cell for Culture and Arts

**Cultural activities / competitions organized at the institution level during the year**

| Year | Activity  | Level                     | Participants |
|------|---|---------------------------|--------------|
| 2019 | 35 <sup>th</sup> Inter-University South Zone Youth Festival, Alagappa University, Karaikudi, 18 <sup>th</sup> – 22 <sup>nd</sup> December, 2019                                       | South Zone National Level | 40           |
| 2020 | Sri Sai Shesha Kalai Vizha, Sri Sai Bharath of Arts and Science College, Oddanchatram on 23 <sup>rd</sup> and 24 <sup>th</sup> Jan. 2020  | Regional                  | 40           |
| 2020 | National Inter University Youth Festival 2020 to be held at Amity University, Noida, 3 <sup>rd</sup> – 7 <sup>th</sup> February 2020  | National Level            | 13           |
| 2020 | Cultural Festival Kahe Pranaya 2020, Karpagam Academy of Higher Education, Coimbatore on 21 <sup>st</sup> February 2020   | Regional                  | 20           |
| 2020 | International Youth Festival 13 <sup>th</sup> South Asian Youth Festival 2019 (SAUFest 2020), Kurukshetra University, Kurukshetra, 24 <sup>th</sup> – 28 <sup>th</sup> February, 2020 | International             | 24           |

Fine Arts



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## Student Participation and Activities

| Name of the Programme  | Year  | Name of the award/medal | National/ International   | Cultural       | Student ID number | Name of the student |
|--|---|-------------------------|---------------------------|----------------|-------------------|---------------------|
| 35 <sup>th</sup> Inter-University South Zone Youth Festival, Alagappa University, Karaikudi  | 18 <sup>th</sup> – 22 <sup>nd</sup> Dec 2019<br><br>2019-2020 | Mime Second Prize       | South Zone National Level | Mime           | 18212063          | Vishwaram, S.       |
|  |   |                         |                           |                | 18212073          | Hariharan, M.       |
|  |   |                         |                           |                | 18211021          | Thangapandi, P.     |
|  |   |                         |                           |                | 18333042          | Sarika, S.          |
|  |   |                         |                           |                | 19225048          | Saravanakumar, A.   |
|  |   |                         |                           |                | 18336001          | Seetha, A.S.        |
|  |   |                         |                           |                | 19205034          | Rishikumar, B.      |
| 35 <sup>th</sup> Inter-University South Zone Youth Festival, Alagappa University, Karaikudi  | 18 <sup>th</sup> – 22 <sup>nd</sup> Dec 2019<br><br>2019-2020 | Second Prize            | South Zone National Level | Mehandi        | 18302016          | Priyadharshini      |
|  |   |                         |                           |                | 18302023          | Sowmya, D.          |
| National Inter University Youth Festival 2020, Amity University, Noida   | 3 <sup>rd</sup> – 7 <sup>th</sup> February 2020               | Third Prize             |                           | Mime           | 18212063          | Vishwaram, S.       |
|  |   |                         |                           |                | 18212073          | Hariharan, M.       |
|  |   |                         |                           |                | 18211021          | Thangapandi, P.     |
|  |   |                         |                           |                | 18333042          | Sarika, S.          |
|  |   |                         |                           |                | 19225048          | Saravanakumar, K.   |
|  |   |                         |                           |                | 18313011          | Neelaveni, P.       |
| National Inter University Youth Festival 2020, Amity University, Noida   | 3 <sup>rd</sup> – 7 <sup>th</sup> February 2020               | Fourth Prize            | National                  | Mehandi        | 18302016          | Priyadharshini      |
|  |   |                         |                           |                | 18302023          | Sowmya, D.          |
| International Youth Festival 13 <sup>th</sup> South Asian Youth Festival 2019 (SAUFest 2020),Kurukshestra University, Kurukshestra | 24 <sup>th</sup> – 28 <sup>th</sup> February, 2020            | Representation GRI_DU   | International             | Folk Orchestra | 19017009          | Gurumoorthi, A.     |
|  |   |                         |                           |                | 19337005          | Devendhiran, K.     |
|  |   |                         |                           |                | 18225022          | Aravinth, P.        |
|  |   |                         |                           |                | 18214042          | Sudhakar, R.        |
|  |   |                         |                           |                | 18214060          | Gunabharathi, P.    |
|  |   |                         |                           |                | 18225005          | Thulasi Rajan, K.   |
|  |   |                         |                           |                | 19225052          | Ram Kumar, V.       |
|  |   |                         |                           |                | 18330013          | Shiva, M.           |
|  |   |                         |                           |                | 19408009          | Rajaganapathy, M.   |
|  |   |                         |                           |                | 18211015          | Murugalakshmi, M.   |
| 18302027   | Dhanalakshmi, S.  |                         |                           |                |                   |                     |
| International Youth Festival 13 <sup>th</sup> South Asian Youth Festival 2019 (SAUFest 2020),Kurukshestra University, Kurukshestra | 24 <sup>th</sup> – 28 <sup>th</sup> February, 2020            | Representation GRI-DU   |                           |                | 18212063          | Vishwaram, S.       |
|  |   |                         |                           |                | 18212073          | Hariharan, M.       |
|  |   |                         |                           |                | 18211021          | Thangapandi, P.     |
|  |   |                         |                           |                | 19225048          | Saravanakumar, K.   |
|  |   |                         |                           |                | 19205034          | Rishikumar, B.      |
|  |   |                         |                           |                | 18333042          | Sarika, S.          |
| 18313011   | Neelaveni, P.   |                         |                           |                |                   |                     |

**Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution**

1. Forty students participated in the 35<sup>th</sup> Inter-University South Zone Youth Festival, Alagappa University, Karaikudi (from 18<sup>th</sup> to 22<sup>nd</sup> December, 2019)
2. Forty students participated in the Sri Sai Shesha Kalai Vizha, Sri Sai Bharath of Arts and Science College, Oddanchatram (23<sup>rd</sup>– 24<sup>th</sup> January 2020)
3. Thirteen students participated in the National Inter University Youth Festival 2020 to be held at Amity University, Noida, (3<sup>rd</sup> – 7<sup>th</sup> February 2020)
4. Twenty students participated in the Cultural Festival Kahe Pranaya 2020, Karpagam Academy of Higher Education, Coimbatore on 21<sup>st</sup> February 2020
5. Twenty three students participated in the International Youth Festival 13<sup>th</sup> South Asian Youth Festival 2019 (SAUFest 2020), Kurukshetra University, Kurukshetra, 24<sup>th</sup> – 28<sup>th</sup> February, 2020
6. Cell for Culture and Arts – Students’ performance in various programmes of the institute (GRI)
  - a) Post Conference performance for the Department of Mathematics and Chemistry
  - b) Invocation performance for the various programmes of the institute and convocation
7. Students Activities  
No. of students who participated in Cultural events  
State Level – 40 Students  
National Level – 9 Students
8. No. of medals/awards won by students in cultural events  
State Level – two Second prizes for Mime and Mehendi  
National Level – third prize for Mime & Fourth place for Mehendi  
International Level – Mime and Folk Orchestra teams represented GRI-DU, in the International Youth Festival 13<sup>th</sup> South Asian Youth Festival 2019 (SAUFest 2020), Kurukshetra University, Kurukshetra.



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## National Service Scheme

1. Total No. of NSS Units & Volunteers : 19 Units & 1900 Volunteers

2. Enrollment details of NSS Volunteers :

| Category | Numbers |
|----------|---------|
| Male     | 804     |
| Female   | 1096    |
| Total    | 1900    |

3. Special Camping Coverage during 2019-20

| Particulars                       | Total for the year |
|-----------------------------------|--------------------|
| a) No. of Special Camps organized | 3                  |
| Male                              | 60                 |
| Female                            | 90                 |
| Total                             | 150                |

4. No. of Extension Activities organized in NSS : 25

5. Activities undertaken by NSS during 2019-2020 :

| S. No. | Name of the Activity                        | Unit of Measurement            | During the Year |
|--------|---|--------------------------------|-----------------|
| 1      | Tree Plantation                             | No. of saplings planted        | 92              |
| 2      | Blood Donation                              | No. of Units of Blood donated  | 19              |
| 3      | Awareness Programmes/<br>Rallies/ Campaigns | No. of Programmes              | 13              |
|        |   | No. of Volunteers participated | 1900            |
| 4      | Swachh Bharat/ Manual<br>Labour activities  | No. of Programmes              | 12              |
|        |   | No. of Volunteers              | 1900            |
| 5      | Self-Defense Training                       | No. of Volunteers trained      | 1900            |



**Area cleaning: Water Catchment area- Sirumalai**

*L. N. Srinivasan*

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**Shramadhan: NSS Special Camp**



**Human Rally**



**Human Rally**



**Human Rally on Environmental conservation**



**Awareness on tree plantation**



**Village visit**

*[Handwritten Signature]*

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## Shanti Sena

### Shanti Sena Orientation

Shanti Sena Orientation was given to all freshers of UG/PG/PG Diploma and Certificate Programmes during the General Orientation Programme held at Multipurpose Auditorium, GRI-DU, Gandhigram on 02.07.2019.

### A One Day Symposium on Nonviolence for Peace and Prosperous Living, CESC, Madurai

The Valliammal Institution in association with IGINP and CESC, Madurai organized a Symposium on the theme, "Nonviolence for Peace and Prosperous Living" held at CESC, Madurai on 11<sup>th</sup> July, 2019 (Thursday) between 10 a.m. and 4.20 p.m.



Dr. N. Radhakrishnan, Chairman, Kerala Gandhi Smarak Nidhi, Thiruvananthapuram, served as Chief Guest of the day. The students from different colleges of Southern Districts of Tamil Nadu participated along with GRI Students. Prof. Dr. M. William Baskaran, Dr. R. Mani, Professor and Chief Organizer, Shanti Sena & Dr. T. Ravichandran, Assistant Professor, delivered special lectures in the Programme.

### Super Brain Yoga

Two special lectures on Super Brain Yoga were organized for the Shanti Sainiks and these lectures were delivered by Mrs. A. Nirmal, Arhat Prep. II, Meditation Centre, Chinnalapatti on 26.07.2019 and 02.08.2019. Dr. R. Mani, Professor & Chief Organizer, Shanti Sena, organized the programme.

### “A Two Day National Meet on Gandhi’s Shanti Sena and Role of Youth in Disaster Management” on 23<sup>rd</sup> and 24<sup>th</sup> August 2019 at Manjeswaram

As part of national efforts on the occasion of Gandhi’s 150<sup>th</sup> Birth Anniversary, it was planned to revive Shanti Sena and Gandhian vision of Non-violent leadership to promote peace and harmony. The Shanti Sena idea (the Peace Army of Gandhi) was introduced by Vinoba Bhave at Manjeswaram a border village between Karnataka and Kerala on 23<sup>rd</sup> August 1957. Hence, the present initiative was to observe August 23<sup>rd</sup> as Shanti Sena Day every year all over India.



Gandhi Smriti Jyothi was lit by Prof. Dr.M.Sundaravadivelu, Vice - Chancellor in-charge, GRI-DU, Gandhigram, Prof. V.P.R. Sivakumar, Registrar, GRI-DU, Gandhigram flagged off the Campaign

As a curtain raiser and awareness creation campaign, Gandhi Smriti Jyothi was carried by the Shanti Sainiks from Gandhigram Rural Institute on 21st August 2019. It is one among the nine places from where Gandhi Smriti Jyothi was carried to the conference site.

In GRI, the Gandhi Smriti Jyothi was lit by Prof. Dr.M.Sundaravadivelu, Vice - Chancellor in-charge. Prof. V.P.R. Sivakumar, Registrar, flagged off the Campaign and Prof. Dr.M.Mallammal, Director, Centre for Gandhian Studies released the leaflet about the importance of the National level meet on 21st August 2019. This Jyothi covered a distance of 657 kms.



**The Gandhi Smriti Jyothi was handed over by Dr. R. Mani to the chief guest Sri. Kunvar Shekhar Vijendra, Chancellor, Shobit University, Meerut**

From Gandhigram, 45 Shanti Sainiks drawn from various departments namely Gandhian Thought, Mathematics, Physics, Home Science, Education, Geo-informatics and Co-operation with 4 Shanti Sena Organizers namely, Dr. P.S. Sreedevi, Assistant Professor in Education, Dr. K. Dhevan, Assistant Professor in Cooperation, Dr. M. Muthukumar, Assistant Professor in Geo-Informatics and Ms. S. Janaki, Full Time Research Scholar, participated in the two day meet led by Dr. R.Mani, Chief Organizer, Shanti Sena.

#### **Shanti Sena – Reception - 35<sup>th</sup> Convocation**

A warm reception was given to the Chief Guest Shri. Ramesh Pokhriyal 'Nishank', Hon'ble Union Minister of Human Resource Development, Govt. of India, by the Shanti Sainiks during the 35<sup>th</sup> Convocation of GRI on 13.09.2019.



*L. N. [Signature]*

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## 150<sup>th</sup> Gandhi Jayanthi Celebrations (02.10.2019-18.10.2019)



On 02-10-2019, the 150<sup>th</sup> Gandhi Jayanthi was celebrated by undertaking the *Prabhat Bheri* (Peace Walk) at 06:30 a.m. Prof. Dr. M. Sundaravadivelu, Vice-Chancellor i/c, GRI, led the Peace March, garlanded the Gandhi statues in the Museum of Constructive Programme of Mahatma Gandhi and in front of the Administrative Block.

The Vice - Chancellor i/c paid homage to the Mahatma at the *Gandhi Memorial Stupi* and delivered the Gandhi Jayanthi message. The programme was attended by the Teaching, Non-teaching staff and students of GRI.

### Competitions for GRI Students

As part of the Gandhi Jayanthi celebrations, competitions for the students of Gandhigram Rural Institute and the village school students were conducted at the Centre for Gandhian Studies on 3<sup>rd</sup> & 10<sup>th</sup> October, 2019. On 03.10.2019 Competitions for GRI Students were conducted in the New Examination Hall. Around 400 students from various Departments participated.

### Competitions for School Students

On 10.10.2019, competitions for school students were conducted in the Centre for Gandhian Studies. Around 150 students from 10 schools in Dindigul District participated. The vibrant school children incorporated Gandhian values in an interesting manner which is the need of the hour in all the competitions.



### School students participated in Quiz and Elocution Competitions from Gandhiji's Life and Thought

The staff members of CGS organized the above events (Competitions for GRI & School Students) in a grand manner in which students of B.A. Gandhian Social Work and Shanti Sainiks served as volunteers.

### Seminar on Nurturing Nonviolent Values and Behaviour among School Children:

On 18<sup>th</sup> October 2019, a seminar on Nurturing Nonviolent Values and Behaviour among School Children was conducted in which Prof. M. William Baskaran, the Director of the Programme, delivered the welcome Address.

  
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Prof. M. Mallammal, the Director of the Centre, in her presidential address explained the meaning of Nurturing. Prof. A. Jahitha Begum, Professor & Head i/c, Department of Education, delivered Inaugural Address. In the First Technical Session, Prof.M.William Baskaran, spoke on the Topic “Nonviolence and its relevance”



The second lecture of the seminar was delivered by Mr. D. Bojaraj, Consultant Counsellor and Psychotherapist on the Theme “Strategies and Methods for Instilling Values and Behaviour in Children”. The final lecture of the seminar was given by Dr. S. Kulandaisamy, Director, Gandhi Peace Foundation, Chennai on the topic “Experiments and Role Models in Inculcating Values and Behaviour”. Prof. R. Mani, Chief Organizer of Shanti Sena, delivered the Vote of Thanks.

**All India University Students’ Camp, Wardha, 23<sup>rd</sup> Dec. 2019 - 30 Dec. 2019**

The 32<sup>nd</sup> India University Students’ Camp was held at Institute of Gandhian Studies, Gopuri, Wardha from 23<sup>rd</sup> Dec 2019 to 30<sup>th</sup> Dec 2019. A ten member delegation from GRI, including 9 students from Shanti Sena and a faculty participated in the programme. The Camp comprised of delegates from 18 states and Nepal. The camp offered a platform to undertake an intensive study on Gandhian Thought, and the struggles and movements inspired by Gandhi in India and Abroad. Camp comprised of Prayer, Yoga, Community work, Lectures, Group Discussions, Competitions, Film Screening, Peace Rallies, Field Visits, Cultural Programmes and Public Meeting. The participants also had a privilege of having interactions and sessions with leading Gandhian Activists and Eminent Scholars from all spheres.

Ms. K. Kaleeswari 3<sup>rd</sup> year B.Sc Physics, Mr. M. Karthikeyan of 2<sup>nd</sup> year B.Sc Chemistry, and Ms. S. Jeevitha of 2<sup>nd</sup> year B.Com cooperation gave their feedback during the valediction.

**73<sup>rd</sup> Martyrs’ Day (Gandhi Memorial Day)**

In observance of the 73<sup>rd</sup> Gandhi Memorial Day, Prabath Bheri Programme was jointly organized on 30.01.2020 by Centre for Gandhian Studies & Shanti Sena in which Dr. M. Sundaravadivelu, Vice - Chancellor i/c, garlanded the Gandhi Statues and led the Peace Procession.



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## Eye Camp

The Centre for Gandhian Studies & Shanti Sena in association with St. Damien Eye Hospital, Nilakottai, organized an Eye camp at Ammapatti village on 21.02.2020. Around 60 people benefitted by the camp. Dr. M. William Baskaran and Dr. R. Mani inaugurated eye camp.



## Seminar on Fostering Nonviolent Concepts and Skills in the Shanti Sainiks

A One Day Seminar on "Fostering Nonviolent Concepts and Skills in the Shanti Sainiks" was organized by Centre for Gandhian Studies and Shanti Sena at GRI in view of 150th Gandhi Jayanthi Celebrations on 06.03.2020. Dr. N.Markandan, Former Vice-Chancellor, GRI, presided over the seminar. Dr. N. Radhakrishnan, Chairman, Gandhi Smarak Nidhi, Trivandrum, inaugurated the seminar and also delivered the special address. Dr. M. William Baskaran and Dr. T. Ravichandran delivered lectures on "Evolution of Shanti Sena Concept and Experiments" and "Genesis and Development of Shanti Sena: Post Gandhian Efforts" respectively. An Inter Religious Prayer by Shanti Sainiks was held. Fifteen Shanti Sena organisers and 150 Shanti Sainiks participated in the event.



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## Krishi Vigyan Kendra

### PROFILE

ICAR-KVK, Dindigul was incepted in 1989. Dindigul district is endowed with varied agro climatic conditions from semi-arid to sub-tropical supporting varied agroeco-systems, conducive for the cultivation of wide range of agricultural and horticultural crops. The district is known for the horticultural crops cultivation, especially Fruits, Vegetables and Flower crops. The average annual rainfall is 835mm. It has 9 taluks and 14 blocks. The net cultivated area is 2.327 lakhs ha. Wells and tanks are the irrigation sources.



ICAR - KVK

### TECHNOLOGY DISSEMINATION

- ❖ 20 Technologies were assessed under 10 OFTs through 50 trials in 50 farmers' fields, covering 18 villages.
- ❖ 15 technologies were demonstrated through 143 demonstrations covering 143 farmers' fields, spread over 16 villages and 5 blocks.
- ❖ Trainings were imparted to 8404 Farmers/Farm women, Youth and Extension Personnel.
- ❖ 663 extension activities were conducted benefitting 17523 farmers.
- ❖ 2021 plants of fruits/vegetables/flowers were produced and distributed to 366 farmers. 685 Kgs of biofertilizers/biopesticides were produced and sold to farmers.
- ❖ 170 soil health cards were distributed to the farmers. 170 soil samples and 111 water samples were analyzed.

## FRONTLINE DEMONSTRATION

- ❖ Paddy variety ADT53 with integrated crop management (ICM) practices gave a higher yield of 53.6 q/ha (8% higher).
- ❖ Cotton with Redgram as intercrop and Castor as border crop gave higher returns with BC of 1:2.46.
- ❖ Moisture conservation through moisture meter utilization reduced the number of irrigations to 5 with yield of 29.6 q/ha.
- ❖ Off season flower production technologies of Jasmine gave a yield of 90.72 q/ha with BC of 1:3.2
- ❖ ICM with drought mitigation techniques in Coconut gave a yield of 27468 nuts/ha/year.
- ❖ Integrated pest and disease management techniques reduced the pest and disease incidence and gave yield of 104.5 q/ha.
- ❖ Root wilt disease management technologies reduced disease incidence to less than 4%.
- ❖ Avocado wilt complex management practices reduced the disease and resulted a yield of 90 q/ha.
- ❖ Integrated Nutrient Management (INM) in Paddy resulted in a yield of 96 q/ha.
- ❖ Integrated Nutrient Management (INM) in Chillies gave a yield of 222 q/ha.
- ❖ Mixed fodder cultivation gave a gross yield of 46.5 q/ha.
- ❖ Nutrition garden techniques were demonstrated in schools
- ❖ CIPHET – Banana comb/hand cutter reduced the labour requirement of the labour and can cut 25 combs/hour.
- ❖ The shelf life of Moringa leaf is enhanced to 65 days by powdering it.
- ❖ MTP-1 variety of *Melia dubia* was popularized through FLD and planted in demonstration fields.

## TECHNOLOGIES ASSESSED

|  |   |
|--|---|
| Assessment of dual-purpose Sorghum varieties for high yielding and drought tolerance | K12 variety gave a high yield of 18.3 q/ha  |
| Assessment of the performance of high yielding hybrids of Tomato                     | Arka Abedh of tomato recorded higher yield (55.38 t/ha) compared to Arka Samrat and private hybrids.  |
| Assessment of performance of high yielding hybrids of Chillies                       | Chilli hybrid CO1 recorded maximum yield (22.17 t/ha) compared to Arka Khayathi and private hybrids.  |
| Assessment of Management Modules against Maize Fall Army Worm                        | IPM package reduces FAW incidence. First incidence was noticed on 25 DAS. Damage level 35.6% at vegetative stage and 24.7% at cob forming stage. Grain yield was 5.49 t/ha and 0.66 lakhs net income.   |
| Assessment of Management Modules against nematode complex in tuberose                | Bulb treatment with <i>P. fluorescens</i> and <i>T. viride</i> , application of <i>Paecilomyces lilacinus</i> enriched neem cake recorded high yield of 15.21 t/ha 5.13 lakhs as net return. Also recorded low nematode population of 177.54 nos, low wilt incidence 33.6% and low number of galls per plant (2.6). |
| Assessment of Management Strategies of blast disease of Paddy                        | Cultivation of blast resistant variety CO51, seed treatment and seedling dip with <i>Pseudomonas</i> and spraying of azoxystrobin recorded low blast incidence – leaf blast 7.82%, neck blast 10.02% and node blast 16.28%. Yield was higher 4.92 t/ha and net income Rs.0.467 lakhs.                               |
| Assessment of INM in Tuberose  | Application of 75% RDF + FYM @1 kg / m <sup>2</sup> + vermicompost @ 300g/ m <sup>2</sup> + azospirillum @ 2g/ plant + phosphate solubilizing bacteria @ 2g/plant was recorded highest loose flower yield of 14.1 t/ha  |

|  |   |
|--|---|
| Assessment of Nutrient Management Practices in Cotton        | The results revealed that FYM @ 5 t /ha + Sunnhemp seeded @ 15kg/ha + Biofertilizers @ 2 kg/ha +100% RDF + TNAU MN mixture @15 kg/ha was recorded highest cotton yield of 2.09 t/ha |
| Assessment of Suitable Desi birds in Poultry Farming         | Continuing  |
| Assessment of alternate natural Sweetner for bakery products | The jaggery cookies were received favourably by the consumers.  |



OFT-Assessment of dual purpose Sorghum varieties for high yielding and drought tolerance



FLD-Demonstration on INM practices in jasmine for higher yield

### SOIL ANALYSIS

Number of Soil and water samples analyzed - 281

Number of Soil Health card distributed - 170

### TRAINING PROGRAMMES

| Clientele | No. of Courses | Male | Female | Total participants |
|-----------|----------------|------|--------|--------------------|
| F/FW      | 219            | 3557 | 3465   | 7022               |
| RY        | 27             | 450  | 247    | 697                |
| EF        | 5              | 217  | 82     | 299                |
| ST        | 8              | 77   | 259    | 336                |
| VT        | 3              | 36   | 14     | 50                 |
| Total     | 262            | 4337 | 4067   | 8404               |

\* F/FW-Farmers/Farm Women, RY-Rural Youth EF-Extension Functionaries, ST-Sponsored Training,VT-Vocational Training.

### EXTENSION ACTIVITIES

| Activities                         | No. of programmes | No. of Participants |
|------------------------------------|-------------------|---------------------|
| Advisory Services                  | 308               | 2738                |
| Diagnostic visits                  | 74                | 434                 |
| Field Day                          | 10                | 892                 |
| Group discussions                  | 5                 | 187                 |
| Film Show                          | 9                 | 392                 |
| Self -help groups                  | 2                 | 138                 |
| Kisan Mela                         | 2                 | 1682                |
| Exhibition                         | 25                | 6534                |
| Scientists' visit to farmers field | 176               | 1719                |
| Farm Science Club                  | 4                 | 362                 |
| Farmers' seminar/workshop          | 5                 | 1153                |
| Method Demonstrations              | 36                | 814                 |
| Celebration of important days      | 4                 | 270                 |
| Exposure visits                    | 3                 | 118                 |
| <b>Total</b>                       | <b>663</b>        | <b>17253</b>        |



Training Programmes



Special Programmes  
Jal Shakthi Abhiyan Mela

## OTHER EXTENSION PROGRAMMES - 2688 Programmes

### PLANTS PRODUCED AT KVK FARM

| Plants                      | Quantity | Amount(Rs) | No. of Farmers |
|-----------------------------|----------|------------|----------------|
| Fruits                      | 1920     | 66700      | 102            |
| Flowers                     | 101      | 1515       | 10             |
| Azolla                      | 23 Kg    | 2760       | 18             |
| Biofertiliser/ Biopesticide |          |            |                |
| Biofertiliser               | 955 Kg   | 47750      | 170            |
| Biopesticide                | 685 Kg   | 69125      | 378            |

### OTHER ACTIVITIES

1. 225 demonstrations were conducted on CFLD oilseeds under NMOOP
2. 175 demonstrations were organized on CFLD pulses under NFSM.
3. Friends of Coconut Tree (FOCT) training in coordination with Coconut Development Board was given to 20 rural youths.
4. Two training programmes were organized under STRY, benefitting 30 youths.

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## National Day Celebrations at GRI

### Orientation Programme for Freshers 2019

An Orientation Programme for the newly admitted students of all programmes of Gandhigram Rural Institute (Deemed to be University) was organized on 2<sup>nd</sup> and 3<sup>rd</sup> of July 2019 by the Dean of Students' Welfare, GRI.

The first day programme was held on 2<sup>nd</sup> July 2019 at the Multi Purpose Auditorium from 10.00 am to 5.30 pm. The programme began with the lighting of the traditional lamp and prayer song. Dr. K.S. Pushpa, Dean Students' Welfare welcomed the newly admitted students to GRI. In his Inaugural Address, Dr. M.Sundaravivelu, Vice Chancellor i/c of GRI highlighted the glorious past and the present achievements and initiatives of the institute towards student welfare, empowerment and progression. The Deans of various schools, Heads of departments, and Directors of centres introduced themselves and wished the students well in their course of study.



The inauguration was followed by a short film on the genesis and development of GRI from being a rural training centre to a deemed-to-be-university. This was followed by sessions highlighting various aspects and facilities of GRI namely examinations, CBCS, Quality Enhancement, Computer Centre, General Library, Scholarships, Student Clubs, Extension activities, Placement opportunities, Culture and Arts, Coaching Centre, NSS, Shanti Sena, Sports and Yoga, Gurukula and Shramdhan, Internal Complaints Committee, and Health Services. The sessions were handled by the Controller of Examinations and respective coordinators, directors and liaison officers of the institute. A short film on Anti-Ragging was also screened for the benefit of the students. The programme ended with a vote of thanks and the National Anthem. Lunch and refreshments were provided to all students. Dr. K.S. Pushpa, Dean, Students' Welfare coordinated the programme with the assistance of a team of coordinators and assistant coordinators.

The second day programme (3<sup>rd</sup> July 2019) was held at the respective departments where the Deans/heads/coordinators addressed the students of their school, departments and centres. The faculty members of the departments were also introduced. The CBCS course patterns, elective options, assessment system, project and special features of the departments were explained in detail to the students. In the afternoon, the student support activities of the departments like Gurukula and DAC and other special aspects such as the Village Placement Programme, Extension and Lab facilities were introduced to the students. Parent-Teachers Meets were also held at the departments. The students benefitted from this two-day programme which helped them ease into the system of teaching-learning being followed at GRI.

### Regional Planning workshop

The Regional Planning Workshop on Unnat Bharat Abhiyan (UBA) for Participating Institutions (PIs) in Southern Tamil Nadu (Dindigul, Kanniyakumari, Madurai, Pudukottai, Ramanadhapuram, Sivagangai, Tirunelveli, Theni, Thoothukudi, Virudhunagar) was organized on 26.07.2019 at Vivekananda Hall, Faculty Guest House, Gandhigram Rural Institute. The primary objective of this workshop was to leverage the capacity of the knowledge institutions to help build the architecture of an inclusive India.

Dr.M.Sundaravadivelu, Vice Chancellor i/c, GRI, inaugurated the Workshop. Dr.N.D. Mani, Dean & Director, School of Health Sciences and Rural Development, presided over the programme. Prof. Ajay Saini, National Coordinating Institute, Unnat Bharat Abhiyan 2.0, Indian Institute of Technology, New Delhi, and Mr.S.Sayeeram, Youth Officer, NSS Regional Directorate, Government of India, Chennai, offered their felicitations and also served as external Resource Persons.

There were 46 participants from 41 institutions from 10 districts in this Workshop (21 Arts and Science Colleges, 14 Engineering colleges, 3-Polytechnics and 3-Universities). Prof.V.P.R.Sivakumar, Registrar, GRI delivered valedictory address.

### **National workshop**

The Department of Physics, Gandhigram Rural Institute - Deemed to be University organized one day National Workshop on “X-Ray and its Applications” at Silver Jublie Hall. It is fully funded by SPIE Students Chapter. SPIE is an International Society for Optics and Photonics and its head quarters located at Washington, USA. This SPIE Students chapter has been functioning in the Department of Physics, GRI (ID: 1083738) since 2015. The Chief Guest for this National Workshop Prof.C.Sanjeeviraja (Emeritus Professor, Dept. of Physics, ACETEC, Karaikudi) delivered a lecture on “XRD Fundamentals and its Applications”. Prof.K.Ravichandran (Rtd. Former Head, Dept. of Nuclear Physics, University of Madras, Chennai) delivered a talk in “XRD Bio molecules”. Technical session of this workshop, Hands on training on XRD Instrumentation is given by Analytical personnel. About 250 participants including professors from various departments, Research Scholars and Post Graduate Students participated in this workshop. It was successfully organized and completed with the Faculty adviser Prof. K.Jayakumar, Dept. of Physics, GRI and Programming head Dr.C.Sasirekha and all the SPIE members.



Prof. N.D.Mani, Dean, School of Health Sciences and Rural Development and Member Board of Management delivered the inaugural address. Dr.A.David Ravindran, Dean, School of Sciences and Dr.G.Muralidharan, Prof. and Head Dept. of Physics offered the felicitation.

### **Students' Achievements**



Dr.M.Sundaravadivelu, Vice-Chancellor i/c distributed the Awards on 22.07.2019 to the student of B.Tech Civil Engg who won in the Students Project Scheme Seminar cum Exhibition 2018-19, conducted by Tamilnadu State Council for Science and Technology during 19-20 July, 2019

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Dr.M.Sundaravadivelu, Vice Chancellor i/c and Prof. V.P.R. Sivakumar, Registrar distributed the certificates to the M.C.A students of GRI who had successfully completed internship at Bennett University, Noida on 04.07.2019

### 35<sup>th</sup> Convocation 2019

The Gandhigram Rural Institute's 35<sup>th</sup> convocation was held on Friday, 13<sup>th</sup> September 2019 at the multi-purpose auditorium. The chief-guest for the convocation was Hon'ble Minister of Human Resource Development, Sri. Ramesh Pokhriyal Nishank. The Convocation began with a traditional and grand academic procession by the Shanthi Sainiks of the Institute.



The Vice-Chancellor (in-charge) Prof. M. Sundaravadivelu delivered the welcome address and also presented the annual report of the institute for the academic year 2018-19. The Chancellor of the institute, Dr.K. M. Annamalai presented the doctoral, M.Phil., Bachelor, Master degrees and Diplomas to the students who have qualified during the academic year 2017-18. The Registrar Prof. V.P.R.Sivakumar announced the names of the gold medalists and the Chief Guest conferred the medals to the toppers of various academic programmes. During his address, the Chancellor highlighted the impact of extension activities and training programmes offered by the faculty members of the institute which helped to enhance the economic status of the farmers, women, youth and gross root level workers of rural areas.



The students and audience were enthralled by the rousing speech of the Chief Guest, Sri. Ramesh Pokhriyal Nishank. In his convocation address he said that most of the southern part of Tamil Nadu has progressed a lot for the past 5 decades under the guidance of GRI. He invited the new graduates to take the vision of Gandhiji to bring Ram Rajia in this 150<sup>th</sup> birth anniversary year of Gandhi.

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He also inaugurated “Jal Shakthi Abiyan” and “Solar Energy Park” in GRI. Further he released the translated versions of the book titled “Selected Stories of Ramesh Pokhriyal” and “Prathiksha” translated by GRI Faculty, Prof. Ananthakumar, Prof. Saleem Baig, Prof. Sundar and Prof. David Jeyaraj Franklin.

Dr. V. Shanta, the Chairman of Adyar Cancer Institute was awarded Honorary Doctoral Degree for her selfless service in the field of medicine. Besides, a total of 1125 students and scholars were graduated in this convocation. Among them, 72 Ph.D, 72 M.Phil., 501 Post Graduate degrees and Diplomas and 480 Bachelor degrees and diplomas were awarded. 50 students received gold medals and cash prizes.

### Teachers Day Celebration



The Department of Lifelong Learning and Extension and Gandhigram Trust jointly organised Teachers Day for Balwadi teachers and helpers of GRI and Gandhigram Trust at Valayapatti village on 05.09.2019, on the eve of the birth anniversary of Dr. S.Rathakrishnan, Former President of India.

Dr.L.Raja, Professor and Head i/c, presided over the function. Ms. K.S.Neela, Correspondent, Sowbhaka Illam, Gandhigram Trust, in her special address said that crèche teachers are doing a commendable work for the society, their role in bringing up a healthy strong, feature generation which can't be compared with any other service. Smt. Saraswathi Teacher in Chettiapatti Balwadi and Smt. Muthammal, Helper in Chettiapatti Balwadi were awarded for their service.

### Workshop



A one day workshop was organised by Dr.G. Ramachandran library on 19-09-2019 on the theme “Accessing E-Resources and Reference Tools” for MPhil and Ph.D research scholars, Faculty members of GRI and Library and Information Science Professionals from other institutions in and around Dindigul. More than 200 participants attended the workshop.

The Workshop was inaugurated by Dr. N. D. Mani, Dean, School of Health Sciences and Rural Development. Dr. S. Gurusamy, Dean School of Social Sciences, GRI, felicitated the workshop. The first



Prof. Renu Nanda, Dean, Faculty of Education, University of Jammu, delivered the Valedictory address. Dr.K.K.Murugan, Assistant Professor presented the Report of the conference.Dr.P.S.Sreedevi, Organizing Secretary proposed Vote of Thanks.



### International workshop



A two day International Workshop IWMMSC-2019 was organized by the Department of Mathematics, during September 04 & 05, 2019. The Welcome address was given by Dr. P. Balasubramaniam, Coordinator of IWMMSC-2019 & Professor and Head, Department of Mathematics, GRI. In his presidential address, Dr. Er. Meng Joo, Professor, Nanyang Technological University (NTU), Singapore, highlighted recent techniques. In his Inaugural address, Prof. M. Sundaravadevelu, Vice Chancellor-in-charge, highlighted the growth of Department of Mathematics by the way of ongoing UGC-SAP (DSA-I), DST-FIST & NBHM Library grants. Dr. Grienggrai Rajchakit, Associate Professor of Mathematics, Faculty of Sciences, Maejo University, Thailand, felicitated. Prof. R. Uthayakumar, Professor of Mathematics, delivered the vote of thanks.

Dr. Grienggrai Rajchakit delivered the first lecture on “Stability of Neural Networks”. The second session’s invited talk was delivered by Dr. Er. Meng Joo in the topic of “Cognitive Robotics: Recent Developments and Futuristic Trends”. Dr. K.Somasundaram, former Professor of Computer Science and Applications, gave two lectures on “Image Compression / Decompression Techniques” and “Image Segmentation Techniques”. Dr. Hari Kumar, Professor of Electronics and Communication Engineering, Bannari Amman Institute of Technology, Sathyamangalam, spoke on “Mathematical Aspects of Data Compression”. Dr. Hari Kumarspoke on “Edge Deduction Techniques on Medical Images”. The Valedictory address was delivered by the Professor V.P.R. Sivakumar, Registrar, GRI-DTBU. Dr. A. David Ravindran, Professor of Biology & Dean, School of Sciences, GRI-DTBU, distributed the certificates to all the participants of this Workshop. Finally, Dr. P. Balasubramaniam, Professor & Head, Department of Mathematics and Coordinator IWMMSC-2019, proposed the vote of thanks

### Awareness Rally on Plastic Eradication

Prof. V.P.R. Sivakumar Registrar, GRI flagged off the Awareness Rally on Plastic Eradication at Thoppampatti Village, organized by Dept. of Biology and Dept. of Rural Health & Development Studies on 24.09.2019.



### **Dr.T.S.Soundram Memorial Endowment Lecture**

Dr.T.S. Soundram Memorial Endowment Lecture is a tribute to Dr. T. S. Soundram. Dr. G. Pankajam, Former Vice Chancellor of Gandhigram Rural Institute Deemed University, Gandhigram has instituted and sponsored this programme and the Department of Home Science organizes the endowment lecture every year on the death anniversary of Dr.Soundram Amma (October 21, 1984).

Dr.S.S.Vijayanchali, Head, Department of Home Science delivered the welcome address and also gave a preamble about the department and its growth and also thanked Dr.G.Pankajam for her support and encouragement.The Vice Chancellor of GRI presided over the function and gave an enlightening presidential address. The Registrar of GRI delivered his felicitations. Dr. Pankajam shared the memories of Dr. Soundram "Amma". On this day Dr. Pankajam enriched the endowment fund with an additional amount of Rs.25,000/- and she handed over the cheque to the Vice Chancellor incharge, GRI. Dr A.J Asirvatham, Diabetologist, Arthur Asirvatham Hospital, Madurai, delivered the endowment lecture on "Healthy Youth Healthy India". Dr. A. Thahira Banu, Assistant Professor, proposed the vote of thanks.

### **National Seminar on Feminism in Recent Articles written by Tamil writers**



The Department of Tamil conducted a two day National Seminar on Feminism in Recent Articles written by Tamil writers from 17<sup>th</sup> to 18<sup>th</sup> October 2019 in Silver Jubilee Hall of GRI. The Vice Chancellor i/c, Dr. M. Sundaravadivelu, delivered Presidential Address. Dr. T. Kamali, Professor and Head of Dept. of Tamil, Mother Teresa University, Kodaikkanal, gave Inaugural address. Mrs. Bharatha Devi, Writer, gave a Special Talk. Dr. M. Saleem Baig, Professor & Head, Department of Hindi, GRI felicitated. The Coordinator of the Seminar Dr. V.Nirmalarani, Professor and Head of Tamil Department, GRI, delivered a speech on the aim of the Seminar. Dr. O. Muthiah, Professor of Tamil, GRI, gave welcome address and Dr.S.Chidambaram, Assistant Professor, GRI gave the Vote of Thanks.

Seventeen professors and writers presented their research papers on Feminism from poems, novels, short stories, Journals and Media.Prof. V.P.R. Sivakumar, Registrar, GRI, delivered the Presidential address in the valedictory function. Mrs. Packiam, Feminist writer, gave a special address. Dr. K. Kesava Rajarajan, Assistant Professor of Fine Arts, GRI, welcomed and Dr. V. Nirmalarani, Professor and Head of Tamil and the coordinator of the Seminar gave the vote of thanks.

### **150<sup>th</sup> Birth Anniversary of Mahatma Gandhi**



Dr. M. Sundaravadivelu, Vice Chancellor i/c and Prof. V.P.R. Sivakumar, Registrar garlanded the statue of Mahatma Gandhi and delivered messages on Gandhiji at Gandhigram Rural Institute on the occasion of his 150<sup>th</sup> birth anniversary on 02-10-2019.

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## Shramdan

The Staff and students participated in Shramdan on the occasion of 150<sup>th</sup> Birth Anniversary of Mahatma Gandhi at Gandhiji at Gandhigram Rural Institute (Deemed to be University) on 02-10-2019



## Lecture Series Programme



In a series of special lectures, the Department of Economics in the Gandhigram Rural Institute (Deemed to University), Gandhigram, Dindigul District organized a special lecture on Irrigation and Agriculture: Productivity Improvement in India on 30.10.2019. Dr K Sivasubramaniyan, Professor and Irrigation Economist from the Indian Council of Social Science Research's Madras Institute of Development Studies, Chennai who has done five sponsored research projects on small water bodies (SWBs) by ICSSR and World Bank, delivered the lecture. In this program, Agriculture economists, researchers, students and teachers attended and interacted with Dr. Sivasubramaniyan.

## Lecture on Food Security in India

The Department of Economics organized a lecture series programme on the event of world food day 2019. Dr.R.Gopinath, Senior Scientist from M.S Swaminathan Research Foundation, Chennai spoke on "Food Situation in India".



## Report on Nutrition Month Celebration - Poshan Abhiyaan 2019

Poshan Abhiyaan is Prime minister's Overacting Scheme for Holistic Nourishment. It is a flagship programme to improve the nutritional outcomes for children, pregnant women and lactating mothers. Its main aim is to reduce the level of stunting, under nutrition, anaemia, and low birth weight in children also in adolescent girls, pregnant women and lactating mothers.

Based on this programme, National Nutrition Month 2019 was celebrated by conducting the events from 03.09.2019 to 03.10.2019. The competitions were conducted in the Department of Home Science for creating awareness about the National Nutrition Month and the importance of nutrition for children. About 50 students participated in these competitions from the department.



### National Nutrition month

Awareness rallies on Plastic Usage and Healthy Eating were conducted at Kallupatti village under Chettapatti panchayat in Athoor block. The rally was inaugurated by Dr.S.S.Vijayanchali, Head Department of Home Science and Dr. K.S. Pushpa, Dean of Students' Welfare. The rally covered approximately 2-3 kilometres of the village. About 82 students participated in the rally along with seven staff members.

Public awareness exhibition on “Healthy Eating and Hygienic Practises” was conducted in Kallupatti. About 550 people (80% of the total population) visited the exhibition. In the university, an Exhibition was arranged on 03.10.2019 under the theme “Poshan Maah” to create awareness for the university students and staff about this programme. The exhibition was inaugurated by Dr.Tiwari from MHRD in the presence of the Vice Chancellor i/c and the Registrar of GRI. In the exhibition, posters on the importance of nutrition on first 1000 days immunization, growth monitoring, Anaemia prevention, food fortification, diarrhea management, hygiene and sanitation themes were presented. The National Nutrition month was celebrated successfully with awareness rally, various competitions and exhibition based on the theme Poshan Maah.

### Community Dinner

The Gandhigram Community participated in the Gandhigram Community Dinner arranged at Gandhigram Rural Institute (Deemed to be University) on 06.10.2019.



### 115<sup>th</sup> Birth Anniversary of Dr. G. Ramachandran



The 115<sup>th</sup> Birth Anniversary of Dr. G. Ramachandran, Founder of Gandhigram, was observed with Floral Tribute in the memorial place by the Gandhigram community at Gandhigram Rural Institute (Deemed to be University) on 07.10.2019.

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## MoU

In the presence of Dr.M.Sundaravidelu, Vice Chancellor i/c and Prof. V.P.R. Sivakumar, Registrar, an MoU was signed with Petroleum Conservation Research Association (PCRA), Ministry of Petroleum and Natural Gas, Govt. of India on Energy Conservation Awareness Programme at Gandhigram Rural Institute on 16.10.2019.



## National Library Week

A one day Hands-on Training Programme on “Accessing E-Resources and Reference Tools” was organised by Dr. G. Ramachandran Library on 14- 11-2019 for Research scholars from GRI and Library Professionals from other institutions in and around Dindigul. Totally 48 participants attended the programme.



The Programme was inaugurated by Prof. V.P. R. Sivakumar, The Registrar, GRI. In his presidential address, he appreciated the initiatives taken by library for helping the research scholars. Dr.N.D. Mani. Controller of Examinations i/c felicitated the function. Dr. M. Tamizhchelvan welcomed the gathering and Ms. S. Abirami proposed vote of thanks.

The First Session was handled by Dr. M. Kumaran on “Alert Services” such as Google Alert, Google Scholar Alert, ToC Services of the Leading Publishers and Save Search alerts. Dr. S. Dhanvandan, Librarian, Central University of Tamilnadu, handled the Mandeley - reference manager tool for the participants with all the procedures in the tool with hands on training.

A Readers Forum, Books Display in the library, Film Show, and a Book Exhibition were conducted for the benefit of the staff and students to mark the National Library Week.

## Celebration of National Education Day

The Department of Education, GRI, Gandhigram celebrated the National Education Day in view of the Birth Anniversary of Dr.Maulana Abul Kalam Azad, the great freedom fighter and the first Union Minister of Education of Independent India on 11.11.2019.



Dr.A.Jahitha Begum, Professor & Head i/c, Department of Education, welcomed the august gathering. Prof.V.P.R.Sivakumar, Registrar, GRI, delivered the presidential address on the role and responsibilities of the teachers. Mrs.K.Mahalakshmi, Teacher and Motivator, Government Tribal Residential School, Jawadhu Hills, Thiruvannamali-District was a Special invitee for the programme and she highlighted the importance of teacher educators.Prizes and Certificates were distributed to the participants and prize winners by the dignitaries. Dr.K.K.Murugan, Convener, NED & Assistant Professor, Department of Education made the arrangements for the celebration of National Education Day.School teachers from various Rural Government Schools were honoured for their teaching excellence. Dr.P.S.Sreedevi, Assistant Professor in Education, Department of Education, proposed the vote of thanks.

### Exploring Academic Collaboration

A three member team of Hawassa University of Ethiopia led by Vice President (Academic Affairs) had an interaction session with faculties of GRI for exploring academic collaboration in the presence of Vice Chancellor i/c and Registrar of GRI on 21.11.2019.



### Student Group Insurance



Dr.M.Sundaravavelu, Vice Chancellor i/c and Prof. V.P.R. Sivakumar, Registrar handed over the Student Group Insurance Accident claim cheque to Mr.S.Nithishkumar, 2<sup>nd</sup> year M.A Development Administration at GRI-DTBU on 28.11.2019



### South Zone Inter - University Chess (Men) Tournament for the Year 2019-2020

The South Zone Inter-University Chess Tournament for Men was conducted in GRI in the month of December 2019. The Valediction was held on 25.12.19. Prof.V.P.R.Sivakumar, Registrar, presided over the function. Mr. Murali Karthikeyan, Grand Master and 'A' Grade Officer-Sports, Indian Oil Corporation, Tamil Nadu was the chief Guest and presented the awards to the prize winners. Prof.V.P.R.Sivakumar, and Dr.V.Jeyaveerapandian, AIU Observer and Director of Physical Education, Madurai Kamaraj University, Madurai presented the Board prizes.

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From among the 61 teams participated from Southern Universities, four teams qualified for All India Inter-University Chess Tournament for Men to be held in Gandhigram Rural Institute from 27<sup>th</sup> to 29<sup>th</sup> December 2019.



Prof. Ananthram, International arbiter was the chief arbiter of the tournament along with his team of arbiters. Dr. C. Sugumar, Deputy Director of Physical Education welcomed the gathering and Dr. D. Grace Nirmala, Deputy Director of Physical Education, proposed the vote of thanks.



### International Year of the Periodic Table



The UNESCO has designated the year 2019 as the International Year of Periodic Table (IYPT-2019), marking the 150<sup>th</sup> anniversary of the Mendeleev Periodic table. A commemorative event was organized on 11<sup>th</sup> December 2019, at the Department of Chemistry, Gandhigram Rural Institute, Gandhigram for UG III year and PG students.

Prof. Anitha Pius welcomed the gathering and Prof. M.G. Sethuraman introduced the resource person Prof. K. Natarajan, Retired Professor, Bharathiyar University, Coimbatore. Prof. M. Sundaravivelu, Vice Chancellor-in-charge, honored the Chief Guest. Prof. K. Natarajan highlighted the history and importance of the periodic table. Dr. M. Seenivasa Perumal proposed the vote of thanks.

*L. Natarajan*

### Tamil Computing Training Programme

Prof. V.P.R. Sivakumar, Registrar, delivered Inaugural address in Tamil Computing Training programme organized by Department of Tamil at GRI on 19.12.2019.

### Mathematical Genius Ramanujan 132<sup>nd</sup> Birthday Celebration

The 132<sup>nd</sup> birthday of mathematician Srinivasa Ramanujan was celebrated on 20.12.2019 by the Department of Mathematics.



Prof. Dr.P. Balasubramaniam delivered the welcome address by narrating the biography of Ramanujan. Prof. V. P. R. Sivakumar gave the inaugural address on Ramanujan as an example of poverty not being a barrier to achievement. The Chief guest and former Professor of Mathematics Sri.S.Parthasarathy highlighted the achievements of mathematician Ramanujan and his lifestyle. Various competitions were held on that day such as Quiz, Mathematical model, Rangoli, Just a minute and paper presentation. Dr. A. David Ravindran, Dean, School of Sciences, GRI, delivered the valedictory address and distributed the prizes to the winners.

### Student Achievements

Dr.M.Sundaravadivelu, Vice Chancellor i/c, distributed the Best User Award to the students in Readers' Forum Meeting held at Dr. G. Ramachandran Library, GRI, on 12.12.2019



### All India Inter-University Chess Tournament for men



Shri. V.Jeya veera pandiyan, AIU observer delivered the Special address in the All India Inter-University Chess Tournament for Men at GRI.Prof. V.P.R. Sivakumar, Registrar, awarded the Winner's trophy to Jadavpur University, Kolkata, who won the All India Inter- University Chess Tournament for Men along with Dr. N. D. Mani, Member BoM, and V.Jeya Veera Pandiyan, AIU observer held at GRI on 29.12.2019.

  
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## Tatkal Scheme



Dr.M.Sundaravadivelu, Vice Chancellor i/c, awarded Ph.D Degree to Dr. P. Arul, Department of Chemistry under Tatkal scheme along with Registrar and Controller of the Examinations i/c on 06.12.2019.



Dr. M. Sundaravadivelu, Vice Chancellor i/c, awarded Ph.D Degree to Dr. J. Preethi, Department of Chemistry under Tatkal scheme along with Registrar and Controller of the Examinations i/c on 06.12.2019

## International Conference Report

A Three day International Conference on Bioresource technology for Food, Energy and Environmental Sustainability (ICBTFEES 2020) at GRI was organized by the Department of Biology, from 8<sup>th</sup> to 10<sup>th</sup> January 2020.



Nine Keynote Lectures and 177 papers were presented through Oral Presentations and Poster Presentation in Seven Technical Sessions.



*L. N. Srinivasan*

Prof. Dr.V.P.R.Sivakumar, Registrar, GRI, presided over the Inaugural function and delivered presidential address. Prof. Dr. M. Krishnan, Vice-Chancellor, Madurai Kamaraj University, inaugurated the three day International Conference. The Chief Guest released the Conference proceedings and delivered inaugural address. He called upon students to develop innovative ideas to solve some of the major challenges faced by developing countries including Food security, Energy security and Sustainable environment. Dr.A.David Ravindran, Professor& Dean, Dr.P.U.Mahalingam, Professor & Head, Dr.M.R.Rajan, Professor & the Conference Convener, Dr.R.Ramasubbu, conference co- convener and and Dr.Joy Scaria from the USA participated.

### School internship Orientation Programme



School Internship orientation programme was organized by Department of Education on 22.01.2020. Dr.A.Jahitha Begum, Professor & Head (i/c) welcomed the gathering. Prof.V.P.R. Sivakumar, Registrar, Gandhigram Rural Institute (Deemed to be University) presided over the function and delivered the presidential address. Shri.S.Manivannan, Chief Educational Officer (CEO), Dindigul district was the Chief Guest for the programme. In his address, the CEO suggested the student teachers to use a variety of teaching learning materials when they go for teaching practice. Dr.R.Bagdha Vatchala Perumal, Assistant Professor & Programme co-ordinator explained the significance of organizing School Internship orientation programme. Shri.S.Suresh Babu, PA to CEO, Dindigul district, in his special address, requested the student teachers to approach the school students with empathy. Dr.P.S.Sreedevi, Assistant Professor delivered the vote of thanks.

### Workshop on Soft Skills

Dr.Jahitha Begum, Professor & Head, Department of Education welcomed the gathering. Prof. V.P.R.Sivakumar, Registrar, in his presidential address enunciated that soft skills development is the need of the hour for every citizen of India. Dr. Soundrapandian, Professor & Dean, School of Management Studies, felicitated the workshop. The guest speaker Dr. Akshita Bahuguna, CEO, Futurecons Academy, stated that she will surely help the students to get good career through enhancing the soft skills training. Dr. K.Raja alias Pranmalai, Professor& Head, Department of Rural Industries and Management, GRI proposed the vote of thanks.



### Lecture Series Programme

The Department of Economics conducted a Special Lecture under Lecture Series Programme on "Basic Principles of Economics and Performance of Agriculture". The Head of the department, Dr. S. Rajendran delivered the welcome address. Dr. M Ramchandran, Professor of Economics from Pondichery University and Dr.Rajani Muthai, Professor in the Mumbai School of Economics from the University of Mumbai, delivered lectures.Under Graduate, Post Graduate Students, Research Scholars

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and the Faculty Members participated. Dr.Rajani Muthai discussed the basic principles of economics from real life like consumer behavior, production possibility curve, opportunity cost and trade off, maxima and minima concepts and also the problems of agriculture in India.



### Training Programme on Research Methods in Social Sciences

The Gandhigram Rural Institute organized a four day National level Training Programme on Research Methods for the Research Scholars in the field of Social Sciences from various Colleges and Universities. The inaugural function of the training programme was held on 27<sup>th</sup> January 2020. The training programme was inaugurated by Dr.M.Sundaravadivelu, Vice-Chancellor-in-charge. He emphasized the need for quality research by following the research ethics as stipulated by UGC in order to enhance the standard of research to international level. Dr.N.D. Mani, Professor and Dean, and Dr.M.A.Sudhir, spoke on the importance of research innovation using scientific methods research networking in social sciences, improving professional competency and skills to bring out quality research. Dr. A. Balakrishnan, Professor and Director, welcomed the participants and Dr. S. Gunasekaran, Professor, proposed the Vote of Thanks.



### Awareness Rally on Child Rights



Gandhigram Creche and Children's Project, Department of Lifelong Learning and Extension, organized an Awareness Rally on Child Rights on 5<sup>th</sup> January, 2020. Forty five children from the villages and ten staff members participated in this rally. The rally started at 10.am from Aharam village after the Interreligious prayer. Dr.L.Raja, Professor, and Principal Coordinator of Gandhigram Creche and Children's project welcomed and encouraged the children who had participated in the rally. Dr.R.Venkataravi, Associate Professor and member of Board of Management of GRI flagged off the rally.

Dr.R.Kalpna, Field Organiser and Research Assistant coordinated the rally. Mr.S.Kannan, Technical Assistant, Mrs. M. Annamary Selvi, Secretarial Assistant, Mrs.M.Pushpalatha, Office Assistant, Mrs.Umashanti, and Mrs.Mahalakshmi, Creche Teachers, Mrs.Pappathi and Mrs. Amudha, Creche helpers were present throughout the rally and helped in the logistic arrangements.

### Book Exhibition

Prof. V.P.R. Sivakumar, Registrar, Inaugurated the Book Exhibition at Multipurpose Auditorium, GRI ( DTBU) organized by Dr.G.Ramachandran Library on 29.01.2020



### Industry Academic collaboration

Workshop on Applications of LC-MS was organized by Dept. of Chemistry as part of Industry Academic collaboration programme in cooperation with Agilent Technologies India pvt. Ltd, Bangalore held at GRI DTBU on 09.01.2020.



### Republic Day Celebration at Melkaraipudur



Gandhigram Creche and Children's Project, Centre for Lifelong Learning, Gandhigram Rural Institute, Gandhigram celebrated the 71<sup>st</sup> Republic Day on 26<sup>th</sup> January 2020 at the premises of the Creche Centre in Melkaraipudur. Mr.S.Kannan, Technical Assistant, Centre for Lifelong learning hoisted the national flag. Dr.L.Raja, Professor, Centre for Lifelong Learning and Coordinator of Gandhigram Creche and Children's Project welcomed the children, parents and other people of the village. Mr. S.Kannan in his Republic Day Speech advised the children to obey their parents and teachers and lead a disciplined life. Ten children who participated in the Street plays during the Awareness Rally held on 5<sup>th</sup> January 2020, received prizes for their good performances. Manisha of 12<sup>th</sup> standard who had directed the Street plays expressed her gratitude to Mr.S.Kannan and other staff members who have sincerely contributed for the well being of the children.

The staff members, The Gandhigram Creche and Children's project, were Dr.R.Kalpana, Field Organiser and Research Assistant, Mrs. M.Annamary Selvi, Secretarial Assistant, Mrs. M. Pushpalatha, Office Assistant, Mrs. S.Umashanti, Creche Teacher and Mrs. P.Pappathi, Creche Helper.

### Republic Day at GRI

Dr.M. Sundaravadvelu Vice-Chancellor i/c hosted the flag in the Republic Day celebration and delivered Republic day message to the staff and students at GRI on 26.01.2020.



### Smriti Day



Dr.M.Sundaravadivelu, Vice Chancellor i/c, Prof. V.P.R. Sivakumar, Registrar, and Faculty of GRI observed the SMRITI DAY and paid Floral Tribute to Dr.G. Ramachandran, Founder Vice-Chancellor on 17.01.2020.



Dr.M.Sundaravadivelu, Vice Chancellor i/c delivered the Presidential address in the 73<sup>rd</sup> Gandhiji Smiriti Day jointly organized by Dept. of Tamil and Centre for Gandian Studies at GRI - DTBU on 30.01.2020.

### National Film Award 2018



Mr. Blais Johny, Research Scholar, School of English and Foreign Languages, who won the Best Film Critic, National Film Award 2018 from the honourable President of India, was felicitated by Prof. V.P.R. Sivakumar, Registrar, and faculty members at School of English & FL, GRI on 08.01.2020.



## Fit India

Dr.M.Sundaravadivelu, Vice Chancellor i/c, read out the Fit India Movement Pledge and Prof.V.P.R.Sivakumar, Registrar, flagged off the Walkathon with the objectives of Fit India Movement organized by NSS, GRI on 13.01.2020.



Mr. S. Vinod, DSP, Dindigul delivered the Special Lecture on Observation of Road Safety and gender issues organized by Education & Yoga Centre and NSS, GRI on 24.01.2020.

## Pariksha Pe Charcha 2.0 Our Hon'ble Prime Minister Narendra Modi Interacted

Dr.M.Sundaravadivelu, Vice Chancellor i/c, Prof. V.P.R. Sivakumar, Registrar, Faculty members and Students of GRI listened to the Live Telecast programme of Pariksha Pe Charcha 2.0. Our Hon'ble Prime Minister Narendra Modi interacted with students from all over India on 20.01.2020.



Dr. M. Sundaravadivelu, Vice Chancellor i/c, delivered the Presidential address in the Cyclothon 2020. Mr. R.Sakthivel., Superintendent of Police, Dindigul Inaugurated and flagged off the Cyclothon 2020 with the objectives of Fit India Movement and Road Safety Week organized by Education & Yoga Centre and NSS, GRI on 24.01.2020. A Signature Champign was also conducted.

## Workshop on WNMRS-2019

Prof. V.P.R. Sivakumar, Registrar, delivered the Inaugural address in the Workshop on Genre of Photography organized by Centre for Lifelong Learning under DDU - KK at GRI on 22.01.2020.



  
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### Gandhiji's Smiriti Day

Prof. M. Sundaravadivelu, Vice Chancellor i/c, paid floral tributes in the Gandhiji's memorial with the Registrar, Faculty members and students on the 73<sup>rd</sup> Gandhiji's Smiriti Day at Gandhigram on 30-01-2020.



### Substation Building Opened

The Gandhigram Substation (110/22 kV) was inaugurated by the Chief Minister of Tamilnadu through Video Conferencing on 29.01.2020. The Substation building was opened by Dr.M.Sundaravadivelu, Vice Chancellor i/c, and Prof. V.P.R. Sivakumar, Registrar, and the Executive Engineer of TANGEDCO, Dindigul at Gandhigram on 29.01.2020.



### Tatkal Scheme

Dr. M. Sundaravadivelu, Vice Chancellor i/c awarded Ph.D Degree to Dr. K. Prabakaran, Dept. of Chemistry, under Tatkal scheme along with Registrar and Controller of the Examinations i/c on 24.01.2020.



  
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## Unnat Bharat Abhiyan

*"If we have to build the nation, we have to start from the village"*  
- Hon'ble P.M. Sri. Narendra Modi

The GRI is actively involved in the Unnat Bharat Abhiyan (UBA) in two levels. First as the Higher Education Institution - GRI is designing and working in the adopted / service villages in the Dindigul district of Tamil Nadu.

Secondly, the GRI is functioning as a Regional Coordinating Institute. The Regional Coordinating Institutions (RCIs) act as nodal centers for promoting and facilitating UBA network in their region. The Gandhigram Rural Institute (Deemed to be University), Gandhigram, has been identified as one of the Regional Coordinating Institutions (RCIs) to facilitate, guide, and monitor the activities of the PIs in the Southern Districts of Tamil Nadu.

### THE GRI AS A PROGRAMME IMPLEMENTING AGENCY (PIA)

During the year 2019-20, GRI has made efforts to reach-out to the rural areas by directly working with village communities with its already established rapport.

### DIABETES SCREENING CAMP

Diabetes mellitus ranks high as a global pandemic and threat to human health and global economies on the International health agenda. Globally 425 million adults aged 22 to 79 years are estimated as diabetics by IDF 2017 and it may rise to 629 million by 2045. India shares the burden with 72.9 million with diabetes. Prevalence of prediabetes (10.3 %) is also on rise in India. Thus a multi sectoral approach is needed to reduce the prevalence by Lifestyle modifications. The current campaign of Govt of India like Eat Right Movement of FSSAI and FIT India movement launched insists healthy eating and exercise for better living. A one day diabetes screening camp on 19.01.2020 was conducted at Chettiyapatti panchayat which covered hamlets namely Ilayalwarnagar, Nanbarpuram, Kalupatti, Valayapatti and Velakannipuram. The Unnat Bharat Abhiyan, Department of Home Science of GRI and Arthur Ashirvatham Hospital Madurai jointly organized the diabetes screening Camp.

UBA



Dr. K.Ravichandran, Zonal Coordinator, spoke on Diabetes as the root cause of all other disease and about the importance to know the blood sugar level. Dr.Balaganeshan and his team from Arthur Ashirvatham Hospital assessed the blood sugar and blood pressure level of the village people who attended the camp. The students from Home Science Department collected data about socio economic status, family details, past health history, dietary habits, physical activity and performed anthropometric and clinical assessment related to diabetes from the participants using the "Pre-diabetic and Diabetic Screening tool". Nutritional status of the people was assessed by calculating their BMI (Body Mass Index), Waist Hip Ratio (WHR) and Waist Height Ratio. Participants with very high fasting blood sugar were also tested for Post Prandial Blood sugar levels. A total of 160 villagers participated in the camp and among them 44 were diagnosed as pre-diabetics having fasting blood glucose level >100mg/dl and 46 diabetics with their blood glucose level 140 - 420mg/dl. Among the 46 diabetics, nearly five percent were newly detected. Further, the villagers were asked to visit the nearest Govt hospital or PHC to continue the treatment.

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Mrs. Janet, Dietician, Arthur Ashirvatham Hospital and Dr.Thahira Banu A, Assistant Professor, Home Science Department gave counseling on dietary habits and made the people to understand that diet and physical activity adherence is more important to prevent and control diabetes mellitus.

#### **FOLLOW-UP**

The students of M.Sc Food Science and Nutrition and M.Sc Home Science Extension and Communication students of Home Science Department will conduct street play, demonstrate healthy way of eating and create awareness to change life style habits.

Dr.Kavitha Mythili, Co-ordinator of Unnat Bharat Abhiyan, co-rdinated the camp. Mr. Raja and Mr.Palani, President and Vice President of the Chettiapatti Panchayat helped to organise this camp.



#### **AN EXPOSURE VISIT FOR SHG MEMBERS IN UBA VILLAGES**

On the eve of National Science Day Celebrations 2020, an exposure visit for SHG members to low cost and no cost technologies for rural development was jointly organized by UBA and Department of Lifelong Learning and Extension on 25.02.2020. The theme of this year National Science Day is 'Women in Science'. So in order to create awareness among rural women on rural technologies this exposure visit was arranged.

The Petroleum Conservation Research Association, Government of India and Rural Energy Centre of GRI in association with the KVK of GRI organized a programme to give awareness to the farmers and women about the importance of conservation of Petroleum products. Officers from the National level, regional level and local level of PCRA were present in the programme. Dr.Kirubakaran, Director, REC, welcomed everyone to the programme in the presence of Mr. Saravanan, Programme Coordinator, KVK. They arranged an exhibition about how to conserve energy in daily activities. The participants visited the exhibition. A lecture on importance of energy conservation for our future generation was also delivered.



Dr. P.U Mahalingam, Head of the Department of Biology, explained about Vermi composting, Aquaculture and Mushroom cultivation. Then the participants visited the Aquaculture lab. They were exposed to methods of breeding ornamental fish safely in an economic manner. Dr. P.U Mahalingam also demonstrated mushroom cultivation. After the classes SHG members visited the green house plant and other units of the Biology department. The participants visited the Rural Energy Centre at GRI to see different solar panels, wind mill, solar cooker, biogas plant model and other energy based equipments

available in the park. Scholars of the department explained the principles and working of the equipments and also clarified the doubt. Then PCRA officials highlighted the safe use of energy in our day to day activities like using gas cylinder, refrigerator, solar energy, etc.

The SHG members also visited Rural technology Centre (RTC) which is actively involved in research in the areas of cost effective building technologies, habitat issues, rural housing and models. They visited the rural technology park to witness different varieties of cost effective building construction hollow bricks and other materials.

#### **ACTIVITIES CARRIED OUT AT GRAMASABHA LEVEL**

UBA, along with Shanti Sena volunteers participated in the Gram Sabha meeting held at Chettiyapatti on 26.01.2020. Block Officials from Social Welfare Department, PHC– Sanitation Inspector, State Rural livelihood Mission, Grassroot level workers like Anganwadi worker, school teacher, SHG members participated in the meeting. The officials presented about their schemes and requested the village people to avail these schemes. Women Help Line and its functioning was explained to the group. The importance of sanitation and Eradication of Leprosy was presented by Sanitation Inspectors. The school children stated the prevalence of poor sanitation on their way to schools and asked to clean the roads and raised the demand for open air defecation free village.

#### **INTERACTION WITH LOCAL GOVERNMENT OFFICIAL**

The faculty members interacted with the officials from Social Welfare Department, Primary health Centre and panchayat members about the activities to be carried out in the village and sought their co-operation for conducting of programmes in an integrated manner.

#### **DISCUSSION POINTS**

The faculty members had an interaction with the elected members of the panchayat. The elected members expressed the need for construction of a water collection tank to harvest water from sirumalai hills. It was decided to consult the line departments to take up further action.

Earlier a diabetes screening camp was conducted in the village, and 42 pre-diabetic cases were identified. Nutritional intervention will be given by the M.Sc Food Science and Nutrition students to the diabetic patients in this village.

People and Panchayat members reported Alcoholism as one of the problems that ruin the younger generation. So it was decided to arrange a De-addiction Camp in this village.

The Student volunteers felt that 'Creating a Clean Village' should be our motto to bring good sanitation. Group Discussion with sanitation worker, sanitary inspector, youth and SHG members is to be arranged at the earliest to decide about further actions.

It is proposed to organise skill training programmes to SHG members and rural youth as there was a demand for employment generation programmes from the villagers.

#### **GRI as a regional coordinating institute for UBA**

During the year 2019-20, the RCI -UBA has organized a variety of programmes with the participating Institutions. A brief about these initiatives are presented hereunder:

**The Regional Planning Workshop** on Unnat Bharat Abhiyan (UBA) for PIs in Southern Tamil Nadu (Dindigul, Kanniyakumari, Madurai, Pudukottai, Ramanathapuram, Sivagangai, Tirunelveli, Theni, Thoothukudi, Virudhunagar) was organized on 26.7.2019 at Vivekananda Hall, Faculty Guest House, GRI. There were 46 participants from 41 institutions from 10 districts participated in this Workshop (21 Arts and Science Colleges, 14 Engineering colleges, 3-Polytechnics and 3-Universities). The methodology adopted was Invited lectures, Case presentation, experience sharing, and interaction.

**District Level Consultative Meetings** - 12.9.2019 to 17.10.2019 District Level Consultative Meetings with PIs in Southern Tamil Nadu were organized. The Coordinators and student volunteers team leaders actively participated in these meetings. The agenda for the meeting was (1) to review the activities carried out by PIs under UBA, (2) to facilitate them to prepare Project Proposals and submit them to the NCI, (3) to guide the PIs to complete the village survey, and (4) to motivate the Coordinators to actively participate in UBA along with their student volunteers. The issues that were raised and discussed in these meeting included (1) Pattern of utilization of funds, (2) Format for the submission of Project Proposals and monthly report (3) Problems associated with Survey data entry, and (4) Role of UBA in the Village Development Plan.

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**Round table Conference on the Role of Unnat Bharat Abhiyan in achieving Sustainable Development Goals in Tamil Nadu:** The Roundtable was organized by UBA partnering with Social Solidarity Economy at GRI on 5.2.2020. Coordinators from 32 PIs participated in the Conference. The discussions centered around UBA's role towards the achievement of SDGs in Tamil Nadu. The primary objective of this Roundtable Conference was to identify the ways and means through which UBA would contribute towards the achievement of SDG as well as Transformation of Aspirational Districts' Programme of the Government of India. The participants for this Conference were invited from PIs and NGOs representing Dindigul, Theni, Madurai, Sivagangai, Pudukottai, Ramanathapuram, Virudhunagar, Thoothukudi, Tirunelveli and Kanyakumari.

**The Regional Planning Workshop:** A one day Workshop on UBA for PIs in Southern Districts of Tamil Nadu was organized on 6.2.2020 at GRI. Coordinators from 33 PIs participated in this Workshop. The primary objective of this Workshop was to enhance the capacity of the knowledge institutions to plan, execute, and monitor the rural development projects under UBA to build the architecture of an inclusive India. Discussions with eminent Professors in rural development, case analysis, and experience sharing formed part of the Workshop.

Apart from these campus related programmes, GRI, as RCI, participated in the several deliberations and discussions with Ministries of Government of India, NIRD & PR, Hyderabad.



**Villages Adopted**

| S. No | Name of the Village | Taluk          | District          |
|-------|---------------------|----------------|-------------------|
| 1     | Achampatti          | Dindigul       | Dindigul District |
| 2     | Agaram              | Dindigul       |                   |
| 3     | Chettiyapatti       | Athoor         |                   |
| 4     | Chathirapatti       | Dindigul       |                   |
| 5     | Kondamanaickanpatti | Reddiarchatram |                   |
| 6     | Kottur Avarampatti  | Dindigul       |                   |
| 7     | Rengappanur         | Dindigul       |                   |
| 8     | Ulagampatti         | Dindigul       |                   |
| 9     | Valaiyapatti        | Athoor         |                   |



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The various activities undertaken under UBA programme during 2019 – 2020 are listed here.

| S. No. | Date              | Name of the programme   | No. of participants                           | Place                          |
|--------|-------------------|---|---|--------------------------------|
| 1.     | 15.08.2019        | Gram Sabha Meeting  | Four Staff members, 25 students and villagers | Chettiyapatti                  |
| 2.     | 24.11.2019        | Awareness Generation Through rallies and Shramdhan to remove the plastic wastes as part of Swachhita hi Seva Campaign   | 50 students and villagers                     | T. Kallupatti and Thompampatti |
| 3.     | Nov. and Dec 2019 | Village and Household survey  | 25 students                                   | All villages                   |
| 4.     | 26.12.2019        | Submitted the Activities Carried out by GRI under UBA programme in Video format to NCI , Newdelhi   |   |                                |
| 5.     | December 2019     | Energy Audit  | 15 Students                                   | Chettiyapatti                  |
| 6.     | Jan 2019          | Data Entry of the Survey results at UBA website   | Co-ordinator and 5 students                   |                                |
| 7.     | 19.01.2020        | Diabetes Screening Camp in Collaboration with Arthur Ashrivatham Hospital, Madurai  | 60 Villagers                                  | Kallupatti                     |
| 8.     | 26.01.2020        | Gram Sabha Meeting  | Four Staff members, 25 students and villagers | Chettiyapatti                  |
| 9.     | 13.02.2020        | Education Award Distribution to Students of Chettiyapatti School in Collaboration with LIC, Dindigul  | 10 students (Award worth of Rs.300/ student)  |                                |
| 10.    | 14.02.2020        | Menstrual Hygiene Education to Adolescent girls at Chettiyapatti School   | 60 girls                                      |                                |
| 11.    | Feb 2020          | Nutrition Education ( 5 Sessions)   | 25 Diabetic persons                           | Valayapatti                    |
| 12.    | 17.02.2020        | Submitted Eight Proposals for technology development  | 8 Faculty Members                             |                                |
| 13.    | 25.02.2020        | Low Cost and No cost technologies – An exposure visit to SHG members  | 40 SHG women                                  | GRI                            |
| 14.    | 08.03.2020        | Women's Day Celebration   | 200 Rural women                               | Chettiyapatti                  |
| 15.    | April / May 2020  | COVID Activities <ul style="list-style-type: none"> <li>Awareness generation in Villages through mic</li> <li>Skill training on Mask preparation through whats app group</li> </ul> Diet counseling to Rural women to take immune boosters through whatsapp group and pamphlets | 500 villagers                                 | All Villages                   |
| 16.    | 19.06.2020        | The Co-ordinator Participated in the on-line interaction programme on proposal development for community engagement organized by RCI, GRI and NIRD, Hyderabad   |   |                                |

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**Gram Sabha Meeting at Chettiypatti - 15.08.19**



**Gram Sabha Meeting at Chettiypatti - 26.01.20**



**Diabetic Screening Camp at Kallupatti on 19.01.20**



**Low Cost and No Cost Technologies for Rural Development  
An exposure visit for SHG members in UBA villages**

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# Swachh Bharat

The Swachh Bharat or Clean India Mission was conceived by the Hon'ble Prime Minister, Sri Narendra Modi to motivate and galvanise Indian citizens from all walks of life to achieve by 2019 Mahatma Gandhi's dream of a clean India. The Mission, visualized as a thanksgiving offering of the Indian populace to the Father of the Nation on his 150<sup>th</sup> birth anniversary, envisages a mass upsurge for ensuring cleanliness all across the country and the gradual emergence of an unsullied India through the reorientation of individual and collective habits. In response to the noble call of the Swachh Bharat Mission, the following Swachhata Hi Seva programmes were conducted from 23<sup>rd</sup> September to 28<sup>th</sup> September 2019 in Thoppampatti and Jathigoundampatti villages.

- ❖ Organizing Swachhata Rallies
- ❖ Waste Management Activities
- ❖ Door to Door Swachhata Awareness
- ❖ Mass Cleaning Activities at Public Places
- ❖ IEC Awareness Activities through "Nukkad Natak" & "Folk Songs"
- ❖ Wall Paintings

Clean India



Mass Cleaning at Public Places (Temple)



Organizing Swachhata Rallies at Jathigoundampatti

*L. N. [Signature]*

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**Waste Management Activities**



**IEC Awareness Activities through “Nukkad Natak” & “Folk Songs”**

*L. N. [Signature]*

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Wall Paintings



L. N. [Signature]

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Organize awareness programme



**Organize awareness programme for Plastic Free village**



**Door to Door Swachhata awareness**

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## Pradhan Mantri Bhartiya Janaushadhi Kendra

### INTRODUCTION

The Health centre is running successfully in the GRI campus from August 2016 onwards. The Health Centre has been named after GRI's co-founder and doyen Dr. T.S. Soundaram as "Dr.T.S. Soundaram Health Centre."

At present, the centre is equipped with Defibrillator, Urine analyzer, Biothesiometer, Suction apparatus, Cardiac monitor, Syringe pump, Automatic Hematology Analyzer, Bio Chemistry Analyzer, ELISA Reader, ELISA Washer and Microscope. The lab is kept open during working hours of the health centre to provide diagnostic facilities.



### PRADHAN MANTRI BHARTIYA JANAUSHADHI KENDRA

The Pradhan Mantri Bhartiya Janaushadhi Kendra (PMBJK) was established in the Gandhigram Rural Institute, Gandhigram at Dr.T.S.Soundaram Health Centre for making quality medicines available at affordable prices for GRI community and Public, particularly the poor and disadvantaged through exclusive outlet so as to reduce and redefine the unit cost of treatment per person.

### ACTIVITIES

- 10089 out patients utilized the services in the Health Centre during 2019-2020.
- 2104 tests which includes test for diabetes, lipid profile, anemia, renal profile and fever profile were done in our health centre laboratory during 2019-2020.
- The service has been extended 'round-the-clock' on all University working days since January 2020.
- Health Screening was conducted for First year students (2019 - 2020 Batches).
- First aid service was provided for 'Fit India Movement' on 29.08.2019 at GRI.
- Demonstration of clinical laboratory techniques was conducted for Biology students on 06.09.2019.
- Demonstration of drawing blood sample was conducted for Home Science students on 01.10.2019.
- Demonstration of solution preparation in laboratory was conducted for Home Science students on 12.10.2019.
- First aid service was provided for 'The South Zone Inter-University Chess Tournament' from 22.12.2019 to 25.12.2019 at GRI.
- First aid service was provided for 'Fit India Movement – Cyclothon' on 24.01.2020.
- First aid service was provided for 'Fit India Movement – Jogathon' on 19.02.2020.
- National Deworming day was observed on 10.02.2020 through PHC, Chinnalapatti at Health Centre, GRI.
- First aid service was provided for 'Marathon' on the eve of National Science Day 2020 conducted on 27.02.2020.

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## NAAC Certificate



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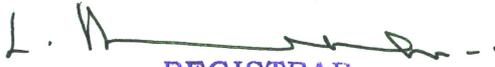
## NIRF Certificate



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## ARIIA Certificate



  
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