

ACADEMIC PROFILE (as on 08.02.2023)

Name (in Block Letters) : **Dr.R.Parvathi**
Designation : Associate Professor and Head
Department : Mathematics
 Vellalar College for Women (Autonomous)
 Erode – 638 012
 Tamilnadu, India.
Email id : paarvathis@rediffmail.com, parvathi@vcw.ac.in
ORCID ID <https://orcid.org/0000-0002-5554-2224>
Google Scholar <https://scholar.google.co.in/citations?user=Q7nPKvMAAAAJ&hl=en>
Web of Science <https://publons.com/researcher/2250478/parvathi-r/> **ResearcherID** J-2724-2016
Scopus <https://www.scopus.com/authid/detail.uri?authorId=57191864998>
IRINS <https://vcw.irins.org/profile/44673>

| Examination | Subject(s) | University | Year of Passing |
|----------------------------|-----------------------------|--|---|
| Under Graduate | Mathematics | Bharathiar | 1987 |
| Post Graduate | Mathematics | Bharathiar | 1989 |
| M.Phil., | Mathematics | Alagappa | 1990 |
| Ph.D., | Mathematics | Alagappa | 2006 |
| Others, if any | | | |
| P.G.D.C.A., | Computer Applications | Madurai Kamaraj | 1997 |
| B.Ed., | Mathematics. I & II | Annamalai University | 1991 |
| Post Doctoral Fellow | Intuitionistic Fuzzy Sets | Institute of Biophysics and Biomedical Engineering, Bulgarian Academy of Sciences, Sofia, Bulgaria | 2010-2012 (during summer vacation) |
| NPTEL Online Certification | Jan – April 2018 (12 weeks) | IIT Roorkee | Business Analytics and Data Mining Modeling using R |
| NPTEL Online Certification | Feb – April 2019 (8 weeks) | IIT Kharagpur | Fuzzy Logic and Neural Networks |
| NPTEL Online Certification | Aug – Oct 2019 (8 weeks) | IIT Roorkee | Matrix Analysis with Applications |

Teaching Experience

P.G. : 07 Years
 U.G. : 32 Years

Date of Retirement : 31.07.2027

Research Experience : 25 Years

Field(s) of Specialization

- Intuitionistic Fuzzy Sets (IFSs) : Theory and Applications
- Generalized Nets (GNs) : Theory and Applications
- Intuitionistic Fuzzy Graphs and their Applications

Research

Guidance

- Awarded Ph.D. : 09 M.Phil.: 19
- Guiding Ph.D. : 01 M.Phil.: Nil

Publications

- Journals
 - International : 59
- Conference Proceedings
 - International : 11
- Book Chapters
 - International : 03
- Monographs
 - International : 01

Projects

- Completed : 04
- UGC Major Research Project (2015 – 2018) (Title of the Project : Designing and developing image editing tools in MATLAB using intuitionistic fuzzy sets)
- UGC Research Award (2009 – 2011) (Title of the Project : Developing Statistical and Probabilistical Tools for Intuitionistic Fuzzy Sets)
- DST Indo – Bulgarian Bilateral Scientific Cooperation Research Programme (2009 – 2012) (Title of the Project : Design and development of Intuitionistic Fuzzy Logic Tools in Information Technologies)
- UGC Minor Research Project (2005 – 2007) (Title of the Project : Some operators over intuitionistic fuzzy sets of second type and their applications to graph theory)
- UGC, DBT funded UG Students' Projects : 22

Papers Presented/Attended/Resource Person in Conferences/Seminars/Symposia/FDPs/Workshops

- International
 - Presented : 10 (UK, Germany, Bulgaria, Greece, Mexico) + 03 (India)
 - Attended : 04
 - Resource Person : 06 (Bulgaria)
- National
 - Presented : 13
 - Attended : 17
- State
 - Presented : 02
 - Attended : 09
- Institution
 - Attended : 43
- Resource Person : National / State / Institution Level : 194
- Resource Person (online) : National / State / Institution Level : 09

Membership

Academic Bodies

- Indian Mathematical Society : Life Member
- Kerala Mathematical Association : Life Member
- IFSTART (IFS Theory, Applications and Related Topics) : Member (IFSTART is the EUSFLAT Working Group dedicated to theory and applications of intuitionistic fuzzy sets and logic)

Editorial Board

- Editorial Board Member (01.01.2018 onwards) - Notes on Intuitionistic Fuzzy Sets (International Journal)
- Associate Editor (2014 – 2018) - ScieXplore: International Journal of Research in Science

On Campus Committees / Clubs / Forums

- Member Research Committee
- Coordinator Curriculum Development Committee
- Coordinator DST FIST
- Coordinator Autonomy Extension Review Committee

Awards/ Recognitions

- MHRD Teaching Innovator Awardee – 2016
- UGC Research Awardee for 2 years (Aug 2009 – July 2011)
- One of the Mentors in DST- INSPIRE Science Camp Programme from 2011 onwards
- Post Doctoral Fellow of Centre of Biomedical Engineering, Bulgarian Academy of Sciences, Sofia, Bulgaria (2010–2012)
- Guided DST SHE Internship students Sumanta Sarkar and Debajyoti Pahari II B.Sc., (Mathematics) students of Ramakrishna Mission Vivekananda Centenary College(Autonomous), Rahara,Kolkata,West-Bengal from 25.05.2019 to 06.07.2019 at Vellalar College for Women, Erode
- Awarded Summer Research Fellowship–2007 by Indian Academy of Sciences (IAS) Bangalore, National Academy of Sciences India (NASI) Allahabad, Indian National Science Academy (INSA) New Delhi under the guidance of Dr.T.Thrivikraman, Director, Research Centre for Mathematical Sciences, St.Joseph’s College, Irinjaguda, Thrissur, Kerala. (Formerly, Head of the Department. of Mathematics, CUSAT, Cochin)
- Awarded Summer Research Fellowship – 2016 by Indian Academy of Sciences (IAS) Bangalore, National Academy of Sciences India (NASI) Allahabad, Indian National Science Academy (INSA) New Delhi under the guidance of Dr.K.S.Mallikarjuna Rao, Professor, Dept. of Industrial Engineering and Operations Research, IIT-Bombay, Mumbai
- Attended “Lecture Series on Intuitionistic Fuzzy Sets” and “Lecture Series on Generalized Nets” during May - June 2008 for Ph.D and Post - Ph.D candidates at Bulgarian Academy of Sciences, Sofia, Bulgaria
- Attended “Lecture Series on Intuitionistic Fuzzy Sets” during April 2010 to June 2010 for Post - Ph.D candidates at Bulgarian Academy of Sciences, Sofia, Bulgaria
- Attended Advanced Instructional School on Optimization organized by Dept. of Industrial Engineering and OR, IIT-Bombay, Mumbai during May 2016
- STEM Teacher Training Workshop on Research Based Pedagogical Tools at Cochin, New Delhi and Pune in Level 1, Level 2 and Level 3 respectively , 2017 and 2018
- Mathematics Subject Trainer in STEM Teacher Training Workshop on Research Based Pedagogical Tools at Nagpur, 2018
- Editorial Board Member – Notes on Intuitionistic Fuzzy Sets (International Journal)
- Associate NCC Officer for 5 years from 2001 to 2006 in Lieutenant rank
- Fellow of International Science Community Association
- First Rank with Gold Medal in M.Phil degree in Alagappa University (1990)

Any other

- Travel Grants received from funding agencies to attend International Conferences at UK, Germany, Bulgaria, Mexico, Greece : UGC, DST, CSIR, TNSCST, SERB
- Served and serving as University Nominee, Chairman, Member of Board of Studies, question paper setters, examiners in central valuation at various Universities and autonomous colleges
- Served and serving as External Examiner / External Member / Subject Expert / Chairperson / Convener in Doctoral Committee / Affiliation of Courses in colleges / Ph.D. Public Viva Voce Examination at various Universities and colleges across India