

FACULTY PROFILE



Ms. Aruna G. currently serves as Assistant Professor at the PG and Research Department of Mathematics, Auxilium College (Autonomous), Vellore. She has 8 years of teaching experience. She completed her B.Sc., M.Sc., and M.Phil., (Mathematics) at Auxilium College (Autonomous), Vellore. She is currently pursuing her Ph.D. in Auxilium College (Autonomous), Affiliated with Thiruvalluvar University, Vellore. Her research interests include the implementation of Fuzzy sets in Decision-making Analysis, Medical diagnosis, Neural network, and in Operation research. She has published papers in international journals and conferences. She also serves as the director of the Health and Fine Arts Club.

1. Name : Ms. G. Aruna
2. Designation : Assistant Professor, PG and Research
Department of Mathematics, Auxilium
College (Autonomous),
3. Qualification : M.Sc., M.Phil., (Ph.D.,)
4. Mobile number : 8807576186
5. E-mail id : arunamaths2@auxiliumcollege.edu.in
6. Teaching Experience : 8 years
7. Area of specialization : Complex Analysis, Fuzzy set theory
8. Positions Held in Auxilium :
 - Health and Fine Arts Club – In charge (2017- till date)
 - Value Added Course - Instructor (2022- till date)
 - Website In-charge (2022 – till date)
 - Mentor for both UG and PG students (2015- till date)

- AQAR – In charge (2018-2019 &2021-2022)
- Log Book In-charge (2022- till date)
- ERP In-charge (2021- 2023)

9. Research Experience : 2 years

10. No. of Papers Published : 1

11. No. of Papers Presented in the National/ International/ Seminars/ Workshops/ Conferences: 4

12. No. of Seminars/Workshops/Conferences organized: 4

13. Membership in professional bodies (Descriptive):

- A life time member in Academia for Advanced Research in Mathematics Society (AARM) (Reg. No. SRG/Vellore/96/2019)

14. Other bodies (Descriptive):

- NSF - International Eco Club Student Chapter (IECSC)

15. No. of Online Courses completed (Minimum of 4 Weeks): 3

16. Any Other (Descriptive):

- Nearly 20 PG students finished their project relevant to their interested area under my guidance.
- **Computer knowledge:** C, C++, Java, LATEX, MATLAB and SCILAB
- **Technical knowledge:** Completed Junior Grade in Typewriting [English]
- Completed B.A. in Hindi

PUBLICATIONS

- Aruna G., Jesintha Rosline J., ‘Prism fuzzy number and its applications’, In AIP Conference Proceedings, AIP Publishing, August 2023- Volume 2852, Issue 1.

FDP’s/ Seminars/ Workshops/Webinars:

Offline Programmes:

- State Level Workshop On Matlab – conducted by PG and Research Department of Mathematics, Auxilium College (Autonomous), Vellore 6- on August 22nd, 2015.
- National Conference on Recent Approaches of Mathematics to Science and Technology (NCRAM 2015)- conducted by Department of Mathematics, Auxilium College (Autonomous), Vellore- during February 12th -13th, 2015
- A state level Seminar on “Fuzzy Set and Its Applications”- conducted by VYSYA college, Ayodhiyapattinam (Po), Salem 636103 – on September 3rd, 2015.
- Faculty Development Programme on “Promoting Youth Volunteerism and skill Development through Global Recognition” – International Special Project of the International Award for Youth People (IAYP) – conducted by Audacious Dreams Foundation, India, Vellore in Association with Department of Business Administration, Auxilium College(Autonomous), Vellore 6 – on February 10th, 2016.
- International Conference on Mathematical Applications in Engineering and technology (ICMA-2017) – conducted by PG and Research Department of Mathematics, Sacred Heart College (Autonomous), Triupattur – during January 27th -28th, 2017.
- A National Conference on “Journey to Excellence” – conducted by Internal Quality Assurance Cell, Auxilium College (Autonomous), Vellore –during February 9th – 11th, 2017.
- A State level workshop On LATEX – conducted by PG and Research Department of Mathematics, Auxilium College (Autonomous), Vellore 6 – on January 22nd, 2019.
- FDP “Enriching and Enhancing the Effective of Teaching using 21st Century Skill Sets”- conducted by The Haskalah Academy- during June 5th – 7th, 2019.
- A National Conference on Teaching, Learning and Evaluation: Changes and Challenges- conducted by IQAC of Auxilium College (Autonomous), Vellore – during January 30th – 31st, 2020.
- Workshop on “Research methodology and Ethics”- conducted by the Centre of Research, Thiruvalluvar University, Serkkadu – on July 22nd, 2023.
- A National Seminar on “Emerging Trends in applied Mathematics ETAM - 2023”- conducted by Department of Mathematics, Auxilium College (Autonomous), Vellore – on September 1st, 2023.

Online Programmes:

- FDP on “Managing Online Classes and Co-creating MOOCS”- conducted by Teaching Learning Centre, Ramanujan College, University of Delhi, Sponsored by MHRD PanditMadan Mohan Malaviya National Mission on Teachers and Teaching – National - on 20th April- 06th May, 2020.
- A State level workshop on “Basics of Matlab”- conducted by K.S.Rangasamy College of arts and science, Tiruchengode – during 22nd April – 5th May, 2020.
- A National Faculty Development Program and online training on “LaTeX”- conducted by Sanjay Ghodawat university in association with Spoken Tutorial Project, IIT- Bombay - during 27th April – 2nd May, 2020.
- A National Faculty Development Program on “LaTeX and Scilab”- conducted by DKM College for women university in association with Spoken Tutorial Project, IIT- Bombay – during 30th April – 4th May, 2020
- A National FDP on "R -Language"-conducted by Department of Mathematics, Auxilium College (Autonomous) in association with spoken tutorial IIT Bombay – during May 13th - 20th , 2020.
- A state level workshop on “Mathematical Sciences for CSIR NET/SET/GATE”- conducted by Department of Mathematics, Sree Narayana Guru College, Coimbatore – during May 11th - 15th 2020.
- A Faculty Development Program on “Fuzzy sets and systems”- conducted by Patrician College of Arts and Science, Chennai- on May 16th, 2020.
- A National level Seminar on "Recent research in Mathematics" – conducted by Department of Mathematics, Auxilium College(Autonomous) –during May 28th - 29th, 2020.
- A National Level FDP on “Evolution from Offline to Online Teaching”- conducted by Satish Pradan Dnyansadhana college, Thane, IQAC and FDP cell in association with Department of Information Technology University of Mumbai, Yashwantrao Chavan Maharashtra Open University Mumbai Regional Central and MICROSOFT – during 30th May – 3rd June, 2020.

- An International FDP on “Synergia to Revitalise, Reform and Refresh ourselves as agents to Ensure quality Education”- conducted by Department of Business Administration, Auxilium College (Autonomous) in association with VIT – during June 1st -7th, 2020.
- A National level webinar on “Applications of Mathematics in Engineering” – conducted by Department of Applied Sciences, Jodhpur Institute of Engineering and Technology- on 9th June 2020.
- A State level FDP on “Capacity Building for Effective Student Mentoring”- conducted by M.O.P. Vaishnav College for Women(Autonomous), Chennai – on 10th June 2020.
- State Level FDP on “Academic Enhancement in Digital Teaching and Learning”- conducted by St. Peter’s College of Engineering and Technology, Chennai- during 11th - 12th June 2020.
- International Webinar on “Emerging Trends in Graph Theory”- conducted by Sacred Heart College (Autonomous), Thirupattur – during 14th – 16th June 2020.
- International FDP on “Evolving Best Teaching and Learning Practices in the Pandemic Era 2020”- conducted by The Board of Management, Auxilium College (Autonomous), Vellore- during 15th -21st June 2020.
- A National Level Webinar on Fuzzy Applications – conducted by St. Joseph ‘s College of Arts and Science (Autonomous), Cuddalore – on June 18th, 2020.
- Three Days FDP on “Fuzzy mathematics and its applications”- conducted by Department of Mathematics, Government College of Daman, Daman (UT) in association with IQAC – during July 11th - 13th, 2020.
- “One Day Training Cum Orientation Programme” – conducted by Department of English and Foreign Languages, and Department of Linguistics, Bharathiar University, Coimbatore in association with TANSICHE- State – on September 30th, 2020.
- Webinar on “Emerging Research Topics in Mathematics” – conducted by Department of Mathematics, Auxilium College (Autonomous), Vellore 6 – on October 1st, 2021.
- Workshop on “Documentation and Data Management”- conducted by IQAC, Auxilium College (Autonomous), Vellore 6 – on October 29th, 2021.
- A National level Intercollegiate Online Faculty Development Program on Outcome Based Education- conducted by Internal Quality Assurance Cell of Auxilium College

(Autonomous), Vellore in association with ipsr solutions limited – National – on November 22nd – 27th, 2021.

- Webinar on “Research Trends in Mathematics”- conducted by PG and Research Department of Mathematics, Auxilium College (Autonomous), Vellore 6 - on December 1st, 2021.
- National Intellectual Property Awareness Mission – conducted by Intellectual Property Office, India - on January 25th, 2022.
- Webinar on “Developing Mathematical Thinking”- conducted by PG and Research Department of Mathematics, Auxilium College (Autonomous), Vellore 6 – January 27th, 2022.
- International “Emerging trends in Pure and Applied Mathematics”- conducted by Department of Applied Sciences, School of Engineering in Association with Department of Mathematical Sciences, School of Sciences, Tezpur University – International – on March 12th, 2022.
- Five Days National Level Faculty Development Program on Recent Advances in Mathematics – conducted by Department of Mathematics, School of Advanced Sciences, VIT, Vellore - National - during August 8th – 12th, 2022.
- FDP on Libre Office Suite Writer 6.3 – conducted by Spoken Tutorial IIT Bombay - on June 15th, 2022.
- FDP on LibreOffice Suite Calc 6.3 – conducted by Spoken Tutorial IIT Bombay - on June 17th, 2022.
- FDP on LibreOffice Suite Impress 6.3 – conducted by Spoken Tutorial IIT Bombay – on June 18th, 2022.
- National Level Online workshop on “Research Ethics and Identifying Predatory and Cloned Journals in Publications” – conducted by Indian Institute of Management and Commerce (IIMC), Hyderabad – on November 25th, 2022.
- Online workshop on ”Basic Statistical Analysis and its interpretation using SPSS”- conducted by Global Institute of Statistical solutions (GISS) – during January 7th - 9th, 2023.

- National webinar on the topic “Green Campus Initiatives towards Sustainable Development”- conducted by The Internal Quality Assurance Cell (IQAC), Auxilium College (Autonomous)- on July 29th , 2023.
- National webinar on the topic “Publish and Progress” – conducted by The Internal Quality Assurance Cell (IQAC), Committee for Research Ethics, Publication and IPR & Library, Auxilium College (Autonomous) - August 26th , 2023.

Online course:

- “Introduction to Programming with MATLAB” an online non-credit course authorized by Vanderbilt University – Coursera - 9 weeks – 2018.
- “Fuzzy sets, Logic and Systems & Applications” NPTEL Online Certification funded by MoE, Govt. of India - 12 weeks (3 Credits) - (Jan –Apr) 2022.
- “Approximate Reasoning using Fuzzy Set theory” NPTEL Online Certification funded by MoE, Govt. of India - 12 weeks (3 Credits) - (Jul - Aug) 2022.