

## STAFF PROFILE- Ms. G. ARUNA



1. **Name:** Ms. G. ARUNA
2. **Designation:** Assistant Professor,  
PG and Research Department of Mathematics,  
Auxilium College (Autonomous), Vellore 632 006.
3. **Qualification:** M.Sc., M.Phil., (P.hD.,)
4. **Mobile number:** 880 756 5186
5. **E-mail id:** [arunamaths2@auxiliumcollege.edu.in](mailto:arunamaths2@auxiliumcollege.edu.in)
6. **Teaching Experience:** 7 years
7. **Area of specialization:** Fuzzy Set Theory and its Applications
8. **No. of Papers Presented in the National/International/State/**  
**Seminars/Workshops/Conferences:** 4 research articles.
9. **No. of Seminars/Workshops/Conferences/FDP/PDP organized:**  
Organizing Members: 3
10. **No. of National/International/Seminars/ Workshops/Conferences Attended:** 10
11. **No. of Webinars Attended:** 26
12. **Responsibilities held:**
  - Health and Fine Arts club In charge ( 2016 to till date)
  - DQAC member -2019-2020
  - ERP Portal – In charge 2021-2022
  - Online course In charge of Spoken-Tutorial Project – IIT Bombay for students of PG Mathematics (2021-2022)

**13. Current Responsibilities:**

- In charge - Health and Fine Arts club
- Website In charge – PG and Research Department of Mathematics
- Log Book In charge - PG and Research Department of Mathematics
- Online course In charge of Spoken-Tutorial Project – IIT Bombay for students of PG Mathematics (2022-2023)
- Mentor

**14. Membership in professional bodies:**

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

15. **Other bodies:** NSF - International Eco Club Student Chapter (IECSC)

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

Title of the Course	Duration	Year of Completion
“Introduction to Programming with MATLAB” an online non-credit course authorized by Vanderbilt University and offered through 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

17. Any other:

**PG Project:**

S.No.	Guided
1.	15

**Computer Knowledge:** C, C++, JAVA, LATEX and MATLAB.

**Technical Qualification:** Completed Junior grade in Typewriting (English)

## **Enclosed Details**

### **PAPER PRESENTATION :**

<b>S. No</b>	<b>Topic</b>	<b>Conference</b>	<b>Organized By</b>
1.	Global Behavior of Equilibrium Point for a Class of Fractional Difference Equations	National Conference on Mathematical Applications in Engineering and Technology, Feb 11-12, 2015	PG and Research Department of Mathematics, Sacred Heart College (Autonomous), Tirupatur.
2.	Prism Fuzzy Number And Its Applications	International Conference on “Mathematical Techniques and Applications (e-ICMTA-2022)” March 23- 25, 2022.	Department of Mathematics, SRM Institute of Science and Technology, Kattankulathur, Tamil nadu.
3.	Neutral - bipolar Fuzzy sets and its applications	International Conference on Recent Developments in Mathematics(ICRDM 2022), August 24- 26 , 2022	Faculty of engineering , Applied Science and Technology, Canadian University Dubai, Dubai UAE in conjunction with the Department of Mathematical sciences, United Arab Emirates University, Al Ain, UAE.
4.	Properties of Prism Fuzzy Number And Its Applications	State level Intercollegiate Paper Presentation, October 20 <sup>th</sup> 2022.	Committee for Research Ethics, Publication & IPR , Auxilium College (Autonomous), Vellore.

**ORGANIZING MEMBER FOR THE FOLLOWING PROGRAMMES**

<b>S.No</b>	<b>Title of the Programme</b>
<b>1.</b>	Intercollegiate Math Contest [IMAC – 2019] organized by Department of Mathematics, Auxilium College (Autonomous), Vellore 632 006, Tamil Nadu, India, 01-02-2019.
<b>2.</b>	Online Quiz on "Numerical and Logical Skills" organized by Department of Mathematics, Auxilium College (Autonomous), Vellore 632 006, Tamil Nadu, India, 29.05.2020 to 3.06.2020
<b>3.</b>	A Five-Day National Level Online PDP on “Writing Research Articles in Mathematics & Statistics” organized by Department of Mathematics, Little Flower Degree College, Uppal, Hyderabad, Telangana & PG and Research Department of Mathematics, Auxilium College (Autonomous), Gandhi Nagar, Vellore, Tamil Nadu, 26-09-2022 to 30-09-2022

**NO. OF NATIONAL /INTERNATIONAL/ SEMINARS/ WORKSHOPS /  
CONFERENCES ATTENDED: (OFFLINE)**

<b>S. No.</b>	<b>Name of the Organizing Agency</b>	<b>International /National /State/University level</b>	<b>Duration (Dates of Event)</b>
1	Department of Mathematics, Auxilium College (Autonomous), Vellore	National Conference on Recent Approaches of Mathematics to Science and Technology (NCRAM 2015)	February 12 -13, 2015
2	PG and Research Department of Mathematics, Auxilium College (Autonomous), Vellore 6	State Level Workshop On Matlab	August 22, 2015
3	VYSYA college, Ayodhiyapattinam (Po), Salem 636103.	State Level Seminar on “Fuzzy Set and Its Applications”	September 3, 2015
4	Audacious Dreams Foundation, India, Vellore in Association with Department of Business Administration, Auxilium College(Autonomous), Vellore 6	<b>Faculty Development Programme</b> on “Promoting Youth Volunteerism and skill Development through Global Recognition” – International Special Project of the International Award for Youth People (IAYP)	February 10, 2016

5	PG and Research Department of Mathematics, Sacred Heart College (Autonomous), Triupattur.	International Conference on Mathematical Applications in Engineering and technology (ICMA-2017)	January 27-28, 2017
6	Internal Quality Assurance Cell, Auxilium College (Autonomous), Vellore	National Conference on “Journey to Excellence”	February 9–11, 2017
7	VIT University, Vellore	31 <sup>st</sup> Year National Science Day celebrations	February 28, 2017
8	PG and Research Department of Mathematics, Auxilium College (Autonomous), Vellore 6	State Level Workshop On LATEX	January 22, 2019
9	The Haskalah Academy	FDP “Enriching and Enhancing the Effective of Teaching using 21 <sup>st</sup> Century Skill Sets”	June 5 – 7, 2019
10	IQAC of Auxilium College (Autonomous), Vellore	National Conference on Teaching, Learning and Evaluation: Changes and Challenges.	January 30 – 31, 2020

**NO. OF NATIONAL /INTERNATIONAL/ SEMINARS/ WORKSHOPS /  
CONFERENCES ATTENDED: (ONLINE)**

S. No.	Name of the Organizing Agency	International /National /State/University level	Duration (Dates of Event)
1	Teaching Learning Centre, Ramanujan College, University of Delhi, Sponsored by MHRD PanditMadan Mohan Malaviya National Mission on Teachers and Teaching.	National level FDP on “Managing Online Classes and Co-creating MOOCS”	20 April- 06 May, 2020
2	K.S.Rangasamy College of arts and science, Tiruchengode.	State Level workshop on “Basics of Matlab”	22 April - 5 May, 2020

3	Sanjay Ghodawat university in association with Spoken Tutorial Project, IIT- Bombay.	National Faculty Development Program and online training on “LaTeX”	27 April – 2 May, 2020
4	DKM College for women university in association with Spoken Tutorial Project, IIT- Bombay.	National Level Online Faculty Development Program on “LaTeX and Scilab”	30 April - 4 May, 2020
5	Department of Mathematics, Auxilium College (Autonomous) in association with spoken tutorial IIT Bombay.	National Level FDP on "R - Language"	May 13 - 20 , 2020
6	Department of Mathematics. Sree Narayana Guru College, Coimbatore.	State Level Online workshop on “Mathematical Sciences for CSIR NET/SET/GATE”	May 11-15 2020
7	Patrician College of Arts and Science, Chennai	State Level Online Faculty Development Program on “Fuzzy Participated sets and systems"	May 16, 2020
8	Department of Mathematics, Auxilium College.	National level seminar on "Recent research in Mathematics".	May 28 - 29, 2020
9	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 Cental and MICROSOFT.	National Level FDP on “Evolution from Offline to Online Teaching”	30 May - 3 June, 2020
10	Department of Business Administration, Auxilium College (Autonomous) in association with VIT.	International FDP on “Synergia to Revitalise, Reform and Refresh ourselves as agents to Ensure quality Education”	June 1-7, 2020
11	Department of Applied Sciences, Jodhpur Institute of Engineering and Technology	National level webinar on “Applications of Mathematics in Engineering”	9 June 2020
12	M.O.P. Vaishnav College for	State level FDP on”Capacity	10 June 2020

	Women(Autonomous), Chennai	Building for Effective Student Mentoring”	
<b>13</b>	St. Peter’s College of Engineering and Technology, Chennai	State Level FDP on “ Academic Enhancement in Digital Teaching and Learning”	11-12 June 2020
<b>14</b>	Sacred Heart College (Autonomous), Thirupattur	International Webinar on “Emerging Trends in Graph Theory”	14- 16 June 2020
<b>15</b>	The Board of Management, Auxilium College (Autonomous), Vellore	International FDP on “Evolving Best Teaching and Learning Practices in the Pandemic Era 2020”	15-21 June 2020
<b>16</b>	St.Joseph ‘s College of Arts and Science (Autonomous), Cuddalore.	National Level Webinar on Fuzzy Applications	June 18, 2020
<b>17</b>	Department of Mathematics, Auxilium College (Autonomous), Vellore 6	Webinar on “Emerging Research Topics in Mathematics”	October 1, 2021
<b>18</b>	IQAC, Auxilium College (Autonomous), Vellore 6	Workshop on “Documentation and Data Management”	October 29, 2021
<b>19</b>	Internal Quality Assurance Cell of Auxilium College (Autonomous), Vellore in association with ipsr solutions limited.	National level Intercollegiate Online Faculty Development Program on Outcome Based Education	November 22 – 27, 2021
<b>20</b>	PG and Research Department of Mathematics, Auxilium College (Autonomous), Vellore 6	Webinar on “Research Trends in Mathematics”	December 1, 2021
<b>21</b>	Intellectual Property Office, India	National Intellectual Property Awareness Mission	January 25, 2022
<b>22</b>	PG and Research Department of Mathematics, Auxilium College (Autonomous), Vellore 6	Webinar on “Developing Mathematical Thinking”	January 27, 2022
<b>23</b>	Department of Applied Sciences, School of Engineering in Association with Department of	International “Emerging trends in Pure and Applied	March 12, 2022.

	Mathematical Sciences, School of Sciences, Tezpur University.	Mathematics”	
<b>24</b>	Department of Mathematics, School of Advanced Sciences, VIT, Vellore	Five Days National Level Faculty Development Program on Recent Advances in Mathematics	August 8- 12, 2022
<b>25</b>	Spoken Tutorial IIT Bombay	FDP on LibreOffice Suite Writer 6.3	June 15, 2022
	Spoken Tutorial IIT Bombay	FDP on LibreOffice Suite Calc 6.3	June 17, 2022
	Spoken Tutorial IIT Bombay	FDP on LibreOffice Suite Impress 6.3S	June 18, 2022
<b>26</b>	Indian Institute of Management and Commerce (IIMC), Hyderabad.	National Level Online workshop on “Research Ethics and Identifying Predatory and Cloned Journals in Publications”	November 25, 2022