

MANNAR THIRUMALAI NAICKER COLLEGE (Autonomous)

Pasumalai, Madurai - 625004

Staff Profile



**Name** R. Sumathi

**Designation** Assistant Professor of Mathematics

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**EDUCATIONAL QUALIFICATION:**

S.No.	Degree	Subject	Name of the Institution/University	Year of Passing
1	B.Sc	Mathematics	Mannar Thirumalai Naicker College, Madurai	1997
2	M.Sc	Mathematics and Computer Applications	Gandhigram Rural Institute, Dindigul	1999
3	M.Phil	Mathematics	Madurai Kamaraj University	2004
4	TNSET	Mathematical Science	Mother Teresa Women's University	2017

**TECHNICAL EDUCATION:**

- Master Diploma in Software Technology (MDST)
- Certificate Course in Visual Basic.

**TEACHING EXPERIENCE:**

S.No.	Name of the Institute	Designation	From	To	Positions held
1	Perummal Sami Rishi Engineering College, Maduranthakkam	Lecturer	Sep'2001	Sep'2003	Exam cell Incharge, Hostel Warden
2	SACS M.A.V.M.M. Engineering College, Madurai	Lecturer	Oct'2003	June 2004	-
3	Mohamed Sathak Engineering College, Kilakarai.	Lecturer	July 2004	Dec'2006	Hostel Warden
4	KCG College of Technology, Karapakkam, Chennai-97	Senior Lecturer, Assistant Professor-SG	Jan 2007	Aug 2018	ISO Co-ordinator, NBA Coordinator, Academic Coordinator - Dept
5	Mannar Thirumalai Naicker College, Madurai	Assistant Professor	From Aug 2018	Till now	

**FACULTY DEVELOPMENT PROGRAMME ATTENDED:**

S.No	Title of the Programme/Course	Name of the Institution/University	Month and Year
1	Faculty Induction Programme	Gandhigram Rural Institute, Gandhigram	22 <sup>nd</sup> April- 21 <sup>st</sup> May 2019
2	LaTex	Sree Narayana Guru College and Spoken Tutorial Project, IIT Bombay & MHRD Govt. of India	15 May 2020
3	R Programming	Sona College of Technology and Spoken Tutorial Project, IIT Bombay & MHRD Govt. of India	14 May 2020-16 May 2020

## PUBLICATIONS:

S.No.	Title of the paper	Name of the Authors	Name of Journal	Month & Year	ISSN	Volume & Issue	Others
1	A Study On Facts, Causes And Consequences Of Divorce Using Fuzzy Cognitive Maps	R. Sumathi, J. Jayalakshmi	International Journal of Engineering Research and Technology	August 2013	2278-0181	IJAMM-2501	
2	Preferring old age home: A Fuzzy Approach using Extended Bidirectional Associative Memory	Kanimozhi Raman, Sumathi.R, Jayalakshmi.J	Mathematical Sciences International Research Journal	2014	2278-8697	Vol - 3, Issue 2, Pg.No.694 – 697	Scopus Indexed
3	A new fuzzy clustering method based on fuzzy equivalence relation	Dr.A. Praveen Prakash, Ms. N. Vanathi, R.Sumathi, M. Goudhaman	IPASJ International Journal of Computer Science	December 2014	2321-5992	Vol - 3, Issue 2, Pg.No.694 – 697	Scopus Indexed
4	Application of Three estimates Fuzzy TOPSIS [TEFTOPSIS] Method using Pentagonal Fuzzy Number in Analysing the Causes for increase in Old Age Home	Dr.A. Praveen Prakash, Kanimozhi Raman, Sumathi.R,	International Journal of Advanced Research in Computer Science	Mar/Apr2015	0976-5697	Vol -6, Issue 2, p77-83	UGC Approved
5	Predominant Factor Prediction To Accelerate Growth Of Quick-Service Restaurants (QSR)	Susan Chacko, R. Sumathi, M K Badri Narayanan, Syam Narayanan S	International Journal of Scientific & Technology Research	April 2020	2277-8616	Volume 9, Issue 04	Scopus Indexed

**PAPER PRESENTED IN CONFERENCE/SEMINAR:**

S.No	Title of the Paper	Status	International /National /State level	Title of the Conference	Institution/ College Name	Date
1	Navin-Vanavas Re-skilling during the Lockdown from in <b>Higher Education Institutions</b>	Submitted	National	Skill Enhancement / Reskilling during the lockdown period	Computer Society of India , ACM, IEEECS and IEEEETEMS, Chennai	2/5/2020
2	Computer Aided Skin Disease Detection and Classification	Presented	National	Hardware Security- NCHS'20	Aarupadai Veedu Institute of Technology, Chennai	25/6/2020

**PROJECTS HANDLED:**

S.No	Project Title	Name of Applicant(s)	Status	Amount	Agency	Year
1	Bayesian Network based Performance Prediction	Dr. Sundareswaran, Mrs. R. Sumathi	Submitted	Rs.300000	Gandhigram Rural Institute,	2019

**CONFERENCE / SEMINAR/ FDP/ WORKSHOP ATTENDED:**

S.No	International/National / State Level	Title of the Programme	Name of the Institution/University	Date
1	State	Mathematical Methods & Fuzzy Applications	Jamal Mohamed College	27/02/2006
2	State	Patent Awareness	Mohamed Sathak Engineering College	5/04/2006
3	National	Recent Trends in Advanced Mathematics	Easwari Engineering College	15/10/2010
4	National	Computational Methodologies in Statistics	Pondicherry University	19/01/2011 to 21/01/2011
5	National	Applied Multivariate Statistical Analysis using	Presidency College	4/03/2011 &

		SPSS and AMOS		5/03/2011
6	National	Using Sage For Engineering Mathematics	VIT	28/04/2012
7	International	Discrete Mathematics	Tagore Engineering College	7/09/2012
8	National	Recent Advances in Mathematics and its Applications	Loganatha Narayanasamy Government College	13/12/2012 & 14/12/2012
9	State	Probability and Queueing Theory	KCG College of Technology	15/10/2014 & 16/10/2014
10	National	Fuzzy Theory and its Applications	KCG College of Technology	24/07/2018 & 25/07/2018
11	State	Discrete Mathematics and Graph Theory	Sairam Institute of Technology	25/07/2018
12	State	Graph theory and Discrete Mathematics	KCG College of Technology	Aug 2015
13	State	Outcome Based Education	KCG College of Technology	30/06/2016 & 01/07/2016
14	State	Values and Spirituality for EXCELLENCE in Teaching Profession	HappyVillage Retreat Center	09/07/2016 & 10/07/2016
15	State	Quantitative Aptitude Training	KCG College of Technology	28/08/2016
16	State	IOT training on Intel Galileo board	KCG College of Technology	Nov 2016
17	International Level	International Conference on “Revolutionary Trends in Mathematical Sciences”	Mannar Thirumalai Naicker College, Madurai	14.12.2018-15.12.2018
18	College Level	Faculty Development Programme on “Promotion of API Score and CAS Filling”	Mannar Thirumalai Naicker College, Madurai	02.03.2019
19	College Level	Faculty Development Programme on Outcome Based Curriculum Development	Mannar Thirumalai Naicker College, Madurai	09.03.2019
20	College Level	Technicalities of Writing Research Proposal	Mannar Thirumalai Naicker College, Madurai	29.06.2019
21	College Level	Outcome Based Education	Mannar Thirumalai Naicker College, Madurai	28.08. 2019
22	College Level	Research writing and Publication: Theory and Practice	Mannar Thirumalai Naicker College, Madurai	19.10.2019

23	National Level	National Seminar on “Applied Mathematics & IPR”	Mannar Thirumalai Naicker College, Madurai	20.12.2019
24	College Level	e-content and Digital tools	Mannar Thirumalai Naicker College, Madurai	29.02.2020
25	College Level	Promotion of API Score and CAS requirements	Mannar Thirumalai Naicker College, Madurai	03.03.2020
26	College Level	21st Century Skills	Mannar Thirumalai Naicker College, Madurai	05.03.2020
27	College Level	Quality Assurance and Sustenance in Higher Education	Mannar Thirumalai Naicker College, Madurai	11. 03.2020
28	National	Stay at Home, Save Lives Pledge	Ministry of Education and Information Technology, Government of India	29/03/2020
29	State	Self Development	Sri Sarada Niketan College of Science for Women, Karur	20/04/2020 & 21/04/2020
30	State	Creation of E-Content, Animated E-Content, Stop Motion Animation, Editing E-Content, Creating Interactive E-Content and Uploading E-Content on the Web.	Universal Teachers Academy, Puducherry, India	21/4/ 2020 - 30/4/ 2020
31	National	Research Outcomes: Technical Paper writing, Research Proposal, Patent Filing	The Data Tech.ai	22/4/2020
32	National	Covid -19 Pandemic General Awareness Quiz	Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering & Technology, Vijayawada, Andra Pradesh	26/4/2020
33	State	Online Assessment on Improve your Skills	Virudhunagar Hindu Nadars’ Senthikumara Nadar College, Virudhunagar	27/4/ 2020 – 29 /4/2020
34	National	Online College Management & Online Content Creation Tools	BMM & BAMMC Department of Lala Lajpati Rai College of Commerce & Economics and University of Mumbai with North Storm Academy	30/4/2020 – 2/5/2020
35	State	Online Quiz Competition on Effective Teaching – 2020	S.S. Duraisami Nadar Mariammal College, Kovilpatti	3/5/2020
36	State	Documentation using LATEX	Arasu College of Arts & Science for Women, Karur	4/5/2020

37	State	Data Analysis & Visualisation of COVID-19	Jerusalem College of Engineering, Chennai	7/5/2020
38	International	E-Quiz on Impact of COVID-19 on Global Economy	Khadir Mohideen College, Thanjavur	11/05/2020
39	National Level	Online National Faculty Enrichment Programme	Mannar Thirumalai Naicker College, Madurai	13. 05.2020 - 19. 05.2020
40	State	Mathematics E-Quiz	Sengunthar Arts and Science College, Namakkal	25/5/2020
41	National	Positive Thought and the Ideal Life	Mannar Thirumalai Naicker College, Madurai	28.05.2020
42	National	Algebraic Graph Theory	Government Arts College for Men, Nandanam, Chennai	1/6/2020
43	State	E-Quiz on Mathematics	Rohini College of Engineering & Technology, Kanyakumari.	03/06/2020
44	National	Mathematical Analysis	Loyola College, Chennai	08/06/2020 - 13/06/2020
45	National	Fuzzy Logic and It's Applications	Rohini College of Engineering & Technology, Variyoor, Kanyakumari	12/6/2020
46	National	E-Quiz on Graph Theory	The Madurai Diraviyam Thayumanavar Hindu College, Tirunelveli	13/6/ 2020 & 14/6/2020
47	International	Application of Stochastic Process in Real World Problems and Graph Theory in Secured Data Transmission	Sri Akilandeswari Women's College, Wandiwash, Thiruvannamalai	16/6/2020
48	State	Graph Embedding	Don Bosco College of Arts and Science, Keela Eral, Thoothukudi	16/6/2020
49	International	Fuzzy Mathematical Modelling	St. Joseph's College of Engineering, Chennai	16/6/ 2020 - 17/6/2020
50	National	Edge Colouring in Graphs	Pope's College, Samyerpuram	18/6/2020

51	National	Recent Trends in Graph Theory	Government Arts College, Ramanathapuram	22/06/2020 - 24/06/2020
52	National	Coloring of Graphs	Tirumala Engineering College, Guntur, Andhra Pradesh	26/6/2020
53	State	Recent Trends in Mathematical Modelling	Mannar Thirumalai Naicker College, Madurai	27/06/2020
54	State	Basic Graph Theory with GRIN	Rajalakshmi Engineering College, Chennai	1/07/2020
55	National	Graph Theory and its Applications	Islamiah Women's Arts and Science College, Vaniyambadi.	2/07/2020 - 3/07/2020
56	National	Rough Set: A Tool for Qualitative Knowledge Data Discovery	Yadava College, Madurai	4/07/2020
57	National	Blended Learning and Mathematical Relevance to Real World Applications	Anwarul Uloom College, Hyderabad, Telangana.	05/07/2020
58	National	Applications of Number Theory and Cryptography	Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana.	08/07/2020
59	State	Soft_Computing by Soft Sets	Don Bosco College of Arts and Science, Thoothukudi.	10/07/2020
60	National	Statistical Analysis As An Interface In Engineering Problems	Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana.	13/07/2020
61	International	Discrete Mathematics	SSN College of Engineering, Chennai	08/08/2020

### **Conferences / Seminars / Workshops / Etc., Organized:**

S. No	Date	Name of the Programme	Name of the Institution
1	24/07/2015 & 25/07/2015	National Conference on Fuzzy Theory and Applications	KCG College of Technology, Chennai



2	30/06/2016 & 1/07/2016	Two days FDP on Graph theory and Discrete Mathematics	KCG College of Technology, Chennai
3	29/06/2018	One day workshop on Linear Algebra	KCG College of Technology, Chennai
4	20.12.2019	National Seminar on “Applied Mathematics & IPR”	Mannar Thirumalai Naicker College, Madurai
5	16/03/2020	One Day Hands – on Workshop on “Research Documentation Using LaTeX”	Mannar Thirumalai Naicker College, Madurai

### **Additional Responsibilities:**

S.No	Name of position	From	To
1	Career Guidance, Placement Cell and Centre for Competitive Examinations – Member	June 2019	May 2020
2	Attendance Monitoring Committee - Member	June 2019	May 2020

### **Professional Recognition/Award/Prize/Certificate, Fellowship received:**

S.No	Name of Award	Awarding Agency	Year
1	Appreciation award- Appraisal	KCG College of Technology, Chennai	2015
2	Achievement award- 100% result in Applied Probability And Statistics	KCG College of Technology, Chennai	2015

### **Membership in Academic/Professional Bodies:**

S.No	Name of the Body	Capacity
1	ISTE	Lifetime