

MANNAR THIRUMALAI NAICKER COLLEGE

PG and Research Department of Mathematics

Staff profile

1. NAME OF THE FACULTY : M.SARAVANAN

2. DESIGNATION : Assistant professor

3. DEPARTMENT : Mathematics

4. Email : msaran81@gmail.com,
saravananm@mannarcollege.ac.in

5. Contact Number : 9952836875

6. Date of Birth : 23/10/1981

7. Academic Qualification



S.No.	Degree	Subject	Name of the Institution/University	Year of Passing
1.	B. Sc.	Mathematics	Sri SRNM College, Madurai Kamaraj University	2002
2.	M. Sc.	Mathematics	Sri SRNM College, Madurai Kamaraj University	2004
3.	M. Phil.	Mathematics	St. Xavier's College, Palayamkottai, M.S.University	2005
4.	M. Tech.	Computer & Information Technology	M.S. University	2008
5.	SET	Mathematical Science	Mother Teresa Women's University	2017
6.	Ph. D.	Mathematics	SSN College of Engineering, Anna University	2020

8. Teaching Experience

S.No.	Name of the Institute	From	To
1.	Mannar Thirumalai Naicker College, Madurai	20-08-18	Till date
2.	St. Joseph's College of Engineering, Chennai.	28-08-08	13-08-18

3.	Vel Tech, Chennai	18-12-07	22-08-08
4.	Sardar Raja College of Engineering, Tirunelveli	18-06-07	10-12-07
5.	Infant Jesus College of Engineering, Tuticorin	10-08-05	01-06-07

9. Details of Professional development Programmes attended

- a. Refresher Courses : 2
- b. Orientation Courses : 2
- c. Short Term Courses : 1
- d. Faculty Development Programmes (FDP) : 14

S. No	Name of the Professional Development Programme	Date and No.of Days	Name and address of the Institution imparting training
1	Faculty Induction Programme	18-11-2020 to 17-12-2020, 30 days	Bharathidasan University
2	Refresher Course - Applicable Mathematics	15/12/2021-29/12/2021, 14 days	Ramanujan College in collaboration with Deshbandhu College
3	Refresher Course - Mathematics	07-07-2022 to 20-07-2022	Pondicherry University
4	Faculty Induction Programme	Online Faculty Induction Programme in <i>PMMMNM</i> Tscheme	Ramanujan College, Delhi University
5	Short term course	Short term course on Research Methodology	HRDC, Bharathiar University
6	Online Faculty Development Programme	18 th May to 21 May 2020	Nirmala College for Women, Bharathiyar University
7	Faculty Development Programme	07.05.2020	Jerusalem College of Engineering, Anna University
8	Faculty Development Programme	30 th May to 3 rd June 2020	Satish Pradhan Dnyanasadhaa College, University of Mumbai
9	National level Faculty Development Programme	08.06.2020	GTN Arts College, Madurai Kamaraj University

10	Online National Faculty Enrichment Programme	13 th May to 19 th May 2020	Mannar Thirumalai Naicker College, Madurai Kamaraj University
11	Online Faculty Development Programme	10.06.2020	Mepco Schlenk Engineering College, Anna University
12	National level Enrichment Programme	28.05.2020	Mannar Thirumalai Naicker College, Madurai Kamaraj University
13	A Two days Online Faculty Development Programme	16 th May to 17 th May 2020	Patrician College of Arts and Science, University of Madras
14	Three days online Faculty Development Programme	28 th May to 30 th May 2020	St. Joseph's College of Engineering, Anna University
15	Two days Online International Faculty Development Programme	16 th June to 17 th June 2020	St. Joseph's College of Engineering, Anna University
16	Faculty Development Programme	June 2014	SSN College of Engineering, Anna University
17	Faculty Development Programme	24 – 7 – 15 to 25 – 7 – 15	KCG College of Technology
18	Faculty Development Programme	23 – 28, Nov. 2015	IMSc., Chennai
19	Faculty Development Programme	5-7, June 2017	SSN College of Engineering

10.Details of Workshops / Conference attended:

S.No	Name of the Programme	Name of the Institution	Date
1.	National Virtual Workshop on Machine Learning	SSN College of Engineering	17-04-2023
2.	Changing Role of Teachers: NEP (2020) Perspectives	HRDC Bharathidasan University	08-09-2022
3.	21 st Century Education: Changing Role of Teachers	HRDC Bharathidasan University	07-09-2022
4.	In-service Teacher Training Programme	TANSCH	05-06, May 2022

5.	NATIONAL SYMPOSIUM ON MATHEMATICS AND ITS APPLICATIONS	IIT Madras	22/12/2021
6.	Stochastic process and its applications	Vivekananda College	18-10-2021
7.	Evolution from Offline to Online Teaching	Satish Pradhan Dnyanasadhana College	30 th May to 3 rd June 2020
8.	Short Term Course on Research Methodology	Bharathiyar University	14-16,, October 2020
9.	Data Analysis & Visualization of COVID-19 Dataset Using Python	Jerusalem College of Engineering	07.05.2020
10.	Post COVID – 19 Rejuvenation	Nirmala College for Women	18 - 21 May 2020
11.	Project Proposals for Funding Agencies: Preparation and Submission Protocol	Patrician College of Arts and Science	16 th - 17 th May 2020
12.	Future of Examinations: Bloom's Taxonomy and Multiple Assessment Tools	GTN Arts College	08.06.2020
13.	Introduction to Fuzzy sets and Its Generalization	MEPCO Schlenk Engineering College	10.06.2020
14.	Recent Advances in Graph Theory and Neural Networks	St. Joseph's Institute of Technology	14 to 16 th July 2020
15.	Fuzzy Mathematical Modelling	St. Joseph's College of Engineering	16 th June to 17 th June 2020
16.	National Maths Day Celebration & World record	MTN College	21-12-2022 and 22-12-2022
17.	National level conference on "Current trends in Applied Mathematics & IPR" NCCTAM & IPR 2022	MTN College	07-10-2022
18.	Faculty Research Programme on Dynamics of Research Publications	MTN College	15-09-2022 and 16-09-2022
19.	Present Scenario in Mathematical Research (PSMR-2022)	MTN College	16-07-2022
20.	A one day offline Discourse on Preparing The Institution For Accreditation In The Post-Pandemic Period	MTN College	30-04-2022

21.	Education 4.0 for sustainable economic development	MTN College	27-04-2022
22.	Enhancing Quality By Unearthing Innovative Practices - EQUIP 2022	MTN College	18-24, April, 2022
23.	Online National Faculty Enrichment Programme	MTN College	13 th -19 th May 2020
24.	Franchising the way forward	MTN College	28.05.2020
25.	Quality Assurance and Sustenance in Higher Education	MTN College	11-03-2020
26.	21st Century Skills	MTN College	05-03-2020
27.	Promotion of API Score and CAS	MTN College	03-03-2020
28.	Research Writing and Publications Theory and Practice	MTN College	19-10-2019
29.	Outcome Based Education	MTN College	28-08-2019
30.	Promotion of API Score and CAS Filing	MTN College	02-03-2019
31.	One day training and production workshop on prospects of Outcome Based Curriculum	MTN College	09-03-2019

11. Papers presented in Conferences:

S. No	Name of the Programme	Name of the Institution	Title of the paper	Date
1	National Conference on Fuzzy Theory & Applications	KCG College of Technology	Integrity of fuzzy graphs	24th & 25th July 2015
2	Third SRESA National Conference on Reliability & Safety Engineering	SSN College of Engineering	Application of domination integrity of graphs in PMU placement	01-03, Dec, 2016
3	International Conference on Mathematical Methods, Modeling and Simulation in Chemical Sciences	SSN College of Engineering	Centrality concepts in graph theory	06 - 08 Dec. 2018
4	International conference on Recent Advancement in Material Science and its applications	MTN College	Graph set and Crystal Structure analysis of a Novel Thienocarbazole compound	11-01-2023 to 12-01-23

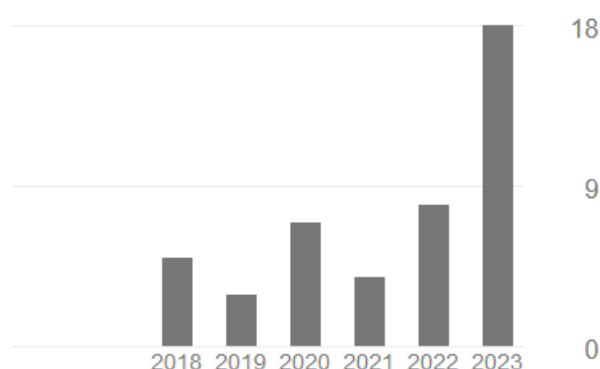
12.Publication details

S. No	Title of paper	Name of the author/s	Name of journal	Month & Year of publication	ISSN number
1	A study on regular fuzzy graphs and integrity of fuzzy graphs	Saravanan, Mariappan; Sujatha, Ramalingam; Sundareswaran, Raman	International Journal of Applied Engineering Research (IJAER)	2015	0973-4562.
2	Application of domination integrity of graphs in PMU placement in electric power networks	Saravanan, Mariappan; Sujatha, Ramalingam; Sundareswaran, Raman; And Balasubramanian, Muthu Selvan	Turkish Journal of Electrical Engineering & Computer Sciences	27-07-18	1300-0632, eISSN: 1303-6203
3	Concept of integrity and its value of fuzzy graphs	Saravanan, Mariappan; Sujatha, Ramalingam; Sundareswaran, Raman	Journal of Intelligent & Fuzzy Systems	19-04-18	1064-1246 (P) / 1875-8967 (E)
4	Domination integrity and Efficient fuzzy graphs	Saravanan, Mariappan; Sujatha, Ramalingam; Sundareswaran, Raman;	Neural Computing and Applications	24-10-19	1433-3058(E), 0941-0643
5	Edge integrity for signed fuzzy graphs	Sankar Chakravarty; Saravanan, Mariappan; Sujatha, Ramalingam; Sundareswaran, Raman;	Journal of Intelligent & Fuzzy Systems	10-08-22	1064-1246 (P) / ISSN 1875-8967 (E)
6	Brain Network Analysis Through Span Integrity of Fuzzy Graphs	Saravanan, Mariappan; Sujatha, Ramalingam; Sundareswaran, Raman;	New Mathematics and Natural Computation	07-06-22 (online)	1793-0057 ISSN N (o): 1793-7027
7	Simple Graphoidal Cover on Bicyclic Graphs	Saravanan, M; Venkatnarayanan, G	Indian Journal of Natural Sciences	Feb - 2023	ISSN: 0976-0997
8	Decomposition Of Complete Bipartite Graphs Into Paths And Cycles Using 2–Simple Graphoidal Covers	Saravanan, M; Venkatnarayanan, G	European Chemical Bulletin	2015	ISSN 2063-5346
9	Integrity of Fuzzy graphs	M.Saravanan, R.Sujatha, R.Sundareswaran	Bulletin of International Mathematical Virtual Institute	Feb 2016	<u>ISSN (p)</u> 2303-4866, <u>ISSN(o)</u> 2303-4947

13. Bibliometrics of the publications based on Scopus Index/ Web of Science or Pub Med / h-index Indian Citation Index

Cited by

	All	Since 2019
Citations	45	40
h-index	5	5
i10-index	1	1



14. Subject Expert/ member in Board of Studies / Interview Panel / Doctoral Committee
University Nominee : KV

S.No	Expert/ Member	Name of the institution	Board / Interview Panel	Date
1	Expert	Kendra Vidyalaya – II Madurai	Mathematics	12-03-2023

15. Details of recognized research guides: Mathematics, Madurai Kamaraj University

16. Details of Ph.D Candidates : Three scholars registered

17. Number of Projects Guided : PG : 22 Students

18. No. of Special Address Delivered : 1

S. No	Name of the Programme	Name of the Institution	Topic	Date
1.	Guest Lecture	Thiravium College of Arts & Science	Transforms and its applications	24-09-2019

19.Number of Conferences, Seminars, Workshops and other Programmes**Organized:**

S. No	Date	Name of the Programme	Role	Name of the Institution
1.	27.06.2020	Recent Trends in Mathematical Modelling	Convenor	MTN College
2.	24th & 25th March 2022	Two days workshop on CSIR/NET/TNSET preparation	Convenor	MTN College

20.Other Services Rendered in the College :

S. No	Name of the Activity	Period	Remarks
1.	Assistant Controller of Examinations	08-07-2019 to 08-01-2023	-
2.	Controller of Examinations	09-01-2023 to till date	-
3.	Governing Body member	2023 to till date	
4.	Academic Council Member	2023 to till date	
5.	Finance Committee Member	2023 to till date	
6.	Planning Board Member	2023 to till date	
7.	Planning and Evaluation Board Member	2023 to till date	
8.	Awards Committee Member	2023 to till date	
9.	Grievance Redressal Committee Member	2023 to till date	
10.	National Academic Depository	2023- 2024	-
11.	Examination Committee	2019 to till date	-
12.	Examination Disciplinary Committee	2019 to till date	-
13.	Planning Board	2020 to till date	-

21.Any Other Distinction :

- 1.Journal Reviewer in 3 international indexed journals
2. Question setter for various autonomous institutions

**Signature of the Faculty**