

## DEPARTMENT OF MATHEMATICS(SF)

Academic Year: 2024-2025

### ACTIVITIES OF THE DEPARTMENT

#### Association meetings

S.No	Date	Topic	Resource Person (designation with complete official address)	Event	Platform
1	29-10-2024	Innovating with Data : Ideas and Strategies for Tomorrow's IT World	Pavadharani Suresh, MCA Programmer Analyst Cognizant Technology Solution Coimbatore	IIC 7.0	Offline
2	20.12.2024	OPPORTUNITIES	Ms. G.Nandhini Devi, (Alumna: Batch: - 2017-2020), Assistant Professor of Mathematics, Sri Shakthi Institute of Engineering and Technology, Coimbatore	OSA Activity	Online

#### Guest Lectures

S.No	Date	Topic	Resource Person (designation with complete official address)	Event	Platform
1	17.02.2025	Aesthetics of Mathematics	Ms. D.Mary Rose Mala Assistant Professor and Head Department of Mathematics St.Joseph's College for Women Tirupur.	Guest Lecture	Online

#### Celebration of Important Days

S.No	Date	Topic	Activity	Platform
1	28.06.2024	E-Quiz on "Tau's Treasure Hunt"	Inter- Departmental E-Quiz Competition	Online

2	11.12.2024	Quizometry	Quiz Competition (Ramanujan's Day celebration)	Offline
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### Competitions Organized

S.No	Date	Topic	Name of the Competition	Platform
1	22/07/2024	Raising Public Awareness for Emerging Startups, Strategies and Challenges	Poster Presentation	offline
2	11.12.2024	Quizometry	Quiz Competition	Offline

### DC Meetings

S.No	Date	Name of the Research Scholar	Research Supervisor	External Expert
1	29/08/2024	C.Sangeetha	Dr.G.Sindhu	Dr.J.Subashini, Assistant Professor, Dept. of Mathematics Sri Ramakrishna College of Arts & Science for Women, Coimbatore.

### Regional level Hands-on Training Programmes Organized by the Department

S. No	DATE	TOPIC	RESOURCE PERSON	No. of Participants	Platform
1	19.02.2025	Mastering Big Data in Mathematics	Ms. M .Lincy Jacqueline Assistant Professor and Head Department of Computer Science with AI Nirmala college for Women Coimbatore	50	Online

### EXPOSURE VISITS

S. No	DATE	CLASS	PLACE	No. of days	No of students	Type
1	06.02.2025	III B.Sc Maths	G D Naidu Museum Coimbatore	1	12	IIC Activity

### BEST PRACTICES OF THE DEPARTMENT

SL. No.	DATE	DEPT	ACTIVITY
1	22.07.2024	Mathematics SF-Math Magician's Club	Poster Presentation Competition
2	11.12.2024		Quizometry - Quiz Competition
3	22.02.2025		Logo Quest – Logo identifying Competition
4	22.02.2025		Brain Buzz- Puzzle Competition
5	22.02.2025		The Great Logo Hunt – Logo Competition

### SEED MONEY GRANT

S. No.	Period	Name of the Faculty	Topic	Funding Agency	Amount Sanctioned in Rs.	Sanctioned /Ongoing/ Completed
1	2024-2025	Ms.S.Mythili	Math meltdown: Understanding the Emotional Toll of Math Anxiety for Students	Nirmala College for Women	Rs.22,000	Completed

### ACTIVITIES RELATED TO FACULTY MEMBERS

#### FACULTY WHO HAVE RECOGNITION FOR GUIDING M.Phil.& Ph. D

S.No	Dept	Name of the Staff	Date of Recognition	Name of the University	Official Communication
1	Maths(SF)	Dr.G.Sindhu	25/07/2018	Bharathiar University	29654/A2/2018 Dated:25/07/2018
2	Maths(SF)	Dr.K.Vaiyomathi	25/03/2011	Bharathiar University	7410/A2/2011 Dated:25/03/2011

3	Maths(SF)	Dr. R. Joice Nirmala	25/06/2018	Bharathiar University	3363-1/A2/2018 & 02/07/2018

#### Ph.D Produced By the Faculty

S.No	Name of the Candidate	Name of the Supervisor	Title of the Thesis	Date of Viva Voce
1	Surekha S S	Dr.G.Sindhu	An Innovative Interpretation On Binary And Neutrosophic Binary Topological Spaces Holding Versatile Sets	23/07/2024

#### FDP ATTENDED BY THE FACULTY

S.No	Date	Name of the faculty	Title	Organized by	Online/Offline
1	20/11/2024 To 24/11/2024	Dr.G.Sindhu	Python Programming for Data Analysis	Electronics & ICT Academy, C- DAC,Hyderabad	Online
2	20/11/2024 To 24/11/2024	Mrs.S.Mythili	Python Programming for Data Analysis	Electronics & ICT Academy, C- DAC,Hyderabad	Online
3	19/08/2024 To 24/08/2024	Mrs.S.Mythili	Exploring new Horizons in Mathematical Research	V.O Chidambaram College Thoothukudi	Online
4	20/11/2024 To 24/11/2024	Dr.R.Joice Nirmala	Python Programming for Data Analysis	Electronics & ICT Academy, C- DAC,Hyderabad	Online
5	06.01.2025 To 11.01.2025	Dr.C.Priyadharshini Infanta	Futuristic Pathway in Technology and Computational Methodologies	Mary Matha College of Arts and Science	Online
6	26.12.2024 To 30.12.2024	Dr.C.Priyadharshini Infanta	Framework and Implementation of NEP2020	Dr.M.G.R Engineering and Research Institute	Online

7	26.05.2025 To 30.05.2025	Dr.C.Priyadharshini Infanta	Cyber Physical System	Dr.M.G.R Educational and Research Institute Chennai	Online
8	26.05.2025 To 30.05.2025	Dr.K.Vaiyomathi	Cyber Physical System	Dr.M.G.R Educational and Research Institute Chennai	Online
9	26.05.2025 To 30.05.2025	Dr.K.Vaiyomathi	Leveraging Digital Library Resources for Enhanced Teaching And Research	Nehru Institute of Technology Coimbatore	Online
10	26.05.2025 To 30.05.2025	Mrs.S.Mythili	Cyber Physical System	Dr.M.G.R Educational and Research Institute Chennai	Online

**PARTICIPATION OF THE FACULTY IN CONFERENCES**

<b>S. N o</b>	<b>Date</b>	<b>Name of the faculty</b>	<b>Title</b>	<b>National/Intl</b>	<b>Organizin g Committee with Address</b>	<b>Platfor m</b>
1	22/10/20 24 To 23/10/20 24	Mrs.S.Myth ili	MUTLI ATTRIBUTE DECISION- MAKING FOR UNDERSTANDI NG THE EMOTIONAL TOLL OF MATH ANXIETY FOR STUDENTS'S USING FUZZY HYPERSOFT SETS	INERTNATION AL	PG & Research Department of Mathemati cs, Nirmala College for Women	Offline
2	17.02.20 25 to 19.02.20 25	Dr.R.Joice Nirmala	International Conference on Non-Linear Dynamics:	International	Dept of Mathemati cs,	Offline

			Modelling and Computation		Bharathiar University, Coimbatore	
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### PUBLICATIONS BY THE FACULTY

#### BOOKS PUBLISHED BY THE FACULTY

S. No	Year	Name of the faculty	Name of the Book	IBBN/ISSN
1	2024	Dr.G.Sindhu	MCQs on Quantitative Aptitude	978-81-983219-3-0
2	2024	Dr.C.Priyadharshini Infanta	MCQs on Mathematics for Management	978-81-983219-9-2
3	2024	Dr.K.Vaiyomathi	Question Bank on Classical Algebra	978-81-983219-8-5
4	2024	Mrs.S.Mythili	MCQs on Numerical Methods	978-81-983219-2-3
5	2024	Dr.R.Joice Nirmala	MCQs on CSIR , NET ,SET Mathematics with Solution	978-81-983219-7-8
6	2024 - 2025	Dr.G.Sindhu	The Syllogism Handbook: A Comprehensive Resource	978-93-342-2046-9
7	2024 - 2025	Dr.C.Priyadharshini Infanta	Lecture Notes on Basics of Matlab	9789334221435
8	2024 - 2025	Dr.K.Vaiyomathi	Mastering Geogebra: A Comprehensive Guide for students and Educators	9788198465344
9	2024 - 2025	Mrs.S.Mythili	Mastering SPSS: A Beginner's Handbook	9789334220841
10	2024 - 2025	Dr.R.Joice Nirmala	Basics of Programming and Computation in Scilab	9789334220476

#### PUBLICATION BY THE FACULTY IN INTERNATIONAL JOURNALS

S. No	Month & Year	Name of the faculty	Topic	Name of the Journal	Vol No, Issue No, Pg No	ISSN	Impact factor	Indexing Details
1	2024	Dr.G.Sindhu	On Fuzzy and Intuitionistic Fuzzy Topological	International Journal of Creative Research Thoughts	Vol 12.Issue -9 Pg:1416 -1423	2320 - 2882	-	-

			BP- Algebras					
2	March 2025	Mrs.S.Mythili	Multi- Criteria Decision Analysis for Wastewater Management using Neutrosophic Hypersoft Sets	Communication on Applied NonLinear Analysis	32 Pg no:2645 - 2652	1074 - 133X		

### PAPER PRESENTATION BY THE FACULTY

S No	Date	Name of the faculty	Topic	Category	Organizing Committee with address	Platform
1	22/10/2024 To 23/10/2024	Mrs.S.Mythili	MUTLI ATTRIBUTE DECISION- MAKING FOR UNDERSTANDING THE EMOTIONAL TOLL OF MATH ANXIETY FOR STUDENTS'S USING FUZZY HYPERSOFT SETS	International	PG & Research Department of Mathematics, Nirmala College for Women	Offline
2	17.02.2025 to 19.02.2025	Dr.R.Joice Nirmala	Revolutionizing Control in Fractional Delay Systems with Minimum Energy	International	International Conference on Non- Linear Dynamics: Modelling and Computation, Dept of Mathematics, Bharathiar University, Coimbatore	Offline

### OTHER ACADEMIC CONTRIBUTIONS – FACULTY

S. No	Date	Name of the Faculty	Nature of Work	Institution
1	18.12.2024 to 20.12.2024	Dr.G.Sindhu	UG-Central Valuation	Bharathiar University, Coimbatore
2		Dr.C.Priyadharshini Infanta	UG-Central Valuation	Bharathiar University, Coimbatore
3		Mrs.S.Mythili	UG-Central Valuation	Bharathiar University, Coimbatore
4	26.05.2025 To 28.05.2025	Dr.G.Sindhu	UG-Central Valuation	Bharathiar University, Coimbatore
5		Dr.C.Priyadharshini Infanta	UG-Central Valuation	Bharathiar University, Coimbatore
6		Mrs.S.Mythili	UG-Central Valuation	Bharathiar University, Coimbatore

### FACULTY QUALIFIED NET/SET

S.No.	Name of the Staff	Qualified Test	Year
1	Dr.G.Sindhu	SET	2017

### PROJECTS CARRIED OUT BY THE STUDENTS

S. No	Name of the Student	Class	Institution where project was carried out	Period	Title of the project
1	ABINAYASRI K GOKILA A	III B.Sc Maths SF	Nirmala College For Women Coimbatore	6 Months	Analyzing Movie rating
2	ABITHA M KEERTHANA R	III B.Sc Maths SF	Nirmala College For Women	6 Months	Analyzing Forest fire data



			Coimbatore		
3	ANJANA V M MAGESHWARI G	III B.Sc Maths SF	Nirmala College For Women Coimbatore	6 Months	Mobile app for Lottery Addiction
4	ARULMATHI A PRIYADHARSHINI M	III B.Sc Maths SF	Nirmala College For Women	6 Months	Clustering Heart diseases Patient data
5	BAVATHARANI.S SALSIYA SALOMI SHOBA J	III B.Sc Maths SF	Coimbatore	6 Months	Visualizing COVID -19 Spread
6	SHAHINA NARGIS T VANI T	III B.Sc Maths SF	Nirmala College For Women	6 Months	Predictive Health Care Analysis in R

#### FELLOWSHIPS AND SCHOLARSHIPS

S. No	Name of the Student and Class	Name of the scholarship	Funding agency	Stipend Amount
1	P.Mithra	CR POSTMATR	Adi-Dravidar SC/ST Government of Tamil Nadu	Rs 7965

#### ONLINE COURSES COMPLETED BY THE STUDENTS

SL.NO	NAME	NAME OF THE COURSE	COURSE CONDUCTED BY
1	DHARSHINIPRIYA S	Body Language-Key to Professional Success	Swayam
2	GOPIKA R	Body Language-Key to Professional Success	Swayam
3	CHITRA SHREE A	Body Language-Key to Professional Success	Swayam
4	RUDHRA B	Body Language-Key to Professional Success	Swayam
5	MITHRA P	Body Language-Key to Professional Success	Swayam

6	KANISHKA A	Body Language-Key to Professional Success	Swayam
7	DHIVYADHARSHINI D	Body Language-Key to Professional Success	Swayam
8	ABISREE R	Employability Skills – JobRise	Swayam Plus
9	CHITRA SHREE A	Employability Skills – JobRise	Swayam Plus
10	DHARSHINIPRIYA S	Employability Skills – JobRise	Swayam Plus
11	DHIVYADHARSHINI D	Employability Skills – JobRise	Swayam Plus
12	GOPIKA R	Employability Skills – JobRise	Swayam Plus
13	JEEVABHARATHI S	Employability Skills – JobRise	Swayam Plus
14	JEYA R	Employability Skills – JobRise	Swayam Plus
15	KANIMOZHI S	Employability Skills – JobRise	Swayam Plus
16	KANISHKA A	Employability Skills – JobRise	Swayam Plus
17	MASILAMANI P	Employability Skills – JobRise	Swayam Plus
18	MITHRA P	Employability Skills – JobRise	Swayam Plus
19	MUTHUKKILI E	Employability Skills – JobRise	Swayam Plus
20	NIVEDHARSHINI M	Employability Skills – JobRise	Swayam Plus
21	PRASANNA DEVI M	Employability Skills – JobRise	Swayam Plus
22	RUDHRA B	Employability Skills – JobRise	Swayam Plus
23	THAMASH VINI	Environmental Science	Swayam
24	GOPIKA S	Environmental Science	Swayam
26	AARTHI.R	Employability Skills – JobRise	Swayam Plus
27	AMMU.N	Employability Skills – JobRise	Swayam Plus
28	GOPIKA.S	Employability Skills – JobRise	Swayam Plus
29	KANISKHA.S	Employability Skills – JobRise	Swayam Plus
30	LAVANYA.S	Employability Skills – JobRise	Swayam Plus
31	MOHANAPRIYA.K	Employability Skills – JobRise	Swayam Plus
32	MONISA.E	Employability Skills – JobRise	Swayam Plus
33	PRICELLA. R	Employability Skills – JobRise	Swayam Plus
34	PRAMILA.G	Employability Skills – JobRise	Swayam Plus
35	RAJLS	Employability Skills – JobRise	Swayam Plus
36	THAMASH VINI.V	Employability Skills – JobRise	Swayam Plus
37	ABINAYASRI K	Electronic Waste Management	Swayam
38	ABITHA M	Electronic Waste Management	Swayam
39	ANJANA M V	Electronic Waste Management	Swayam
40	ARULMATHI A	Electronic Waste Management	Swayam
41	BAVATHARANI S	Electronic Waste Management	Swayam
42	GOKILA A	Electronic Waste Management	Swayam
43	KEERTHANA R	Electronic Waste Management	Swayam
44	PRIYADHARSHINI M	Electronic Waste Management	Swayam
45	SALSIYA SALOMI SHOBA J	Electronic Waste Management	Swayam
46	SHAHINANARGIS T	Electronic Waste Management	Swayam
47	VANI T	Electronic Waste Management	Swayam

48	JERLIN ANGEL BUSMATH N	ENVIRONMENTAL STUDIES	Swayam
49	KANISKHA S	ENVIRONMENTAL STUDIES	Swayam
50	LAVANYA S	ENVIRONMENTAL STUDIES	Swayam
51	PRAMILA G	ENVIRONMENTAL STUDIES	Swayam
52	PRISCILLA R	ENVIRONMENTAL STUDIES	Swayam
53	RAJI S	ENVIRONMENTAL STUDIES	Swayam

### STUDENT PLACEMENT

S.No	Name	Batch	Designation	Name of the Institution
1	ABINAYASRI K	2022-2025	1) Customer Care Associate 2) teacher	1) HRH Next Service 2)Senthil Public School
2	ABITHA M	2022-2025	Associate	Sutherland
3	GOKILA A	2022-2025	Associate	Sutherland
4	KEERTHANA R	2022-2025	Customer Care Associate	HRH Next Service
5	MAGESHWARI G	2022-2025	Associate	Sutherland
6	PRIYADHARSHINI M	2022-2025	Customer Care Associate	HRH Next Service

7	SHAHINA NARGIS T	2022-2025	Associate	Sutherland
8	VANI T	2022-2025	Associate	Sutherland

### **CO-CURRICULAR AND EXTRA CURRICULAR ACTIVITIES**

#### **STUDENTS' PARTICIPATION IN CULTURAL/EXTRA CURRICULAR ACTIVITIES AND PRIZES**

<b>S. No</b>	<b>Date</b>	<b>Name</b>	<b>Event</b>	<b>Participation/ Prize</b>	<b>Organizing Committee</b>
1	14.02.2025	A.Chitrasree	100 metre Running – Sports Day	Second Prize	Nirmala College for Women Coimbatore
2	14.02.2025	A.Chitrasree	Disk throw– Sports Day	Second Prize	Nirmala College for Women Coimbatore
3	14.02.2025	A.Chitrasree	Kabaddi – Sports Day	First Prize	Nirmala College for Women Coimbatore
4	14.02.2025	S.Kaniskha	Throw ball – Sports Day	Participation	Nirmala College for Women Coimbatore

### **EXTENSION ACTIVITIES OTHER EXTENSION ACTIVITIES OF THE DEPARTMENT**

<b>S. No.</b>	<b>DATE</b>	<b>Name of the Student</b>	<b>ACTIVITY</b>	<b>PLACE</b>
1	05.06.2024 To 10.06.2024	BAVATHARANI S	Community service	Missionaries of Charity Puliakulam Road Ramanathapuram Post Coimbatore
2	11.06.2024 To 15.06.2024	GOKILA.	Community service	Missionaries of Charity Puliakulam Road Ramanathapuram Post

				Coimbatore
3	21.04.2025 To 26.04.2025	ABISREE R	Community service	Jeevan Foundation Cumbum Theni.
4	21.04.2025 To 25.04.2025	CHITRASHREE A	Community service	Vishal Foundation Thondamuthur Road Coimbatore
5	19.04.2025 To 23.04.2025	DHARSHINIPRIYA S	Community service	Vishal Foundation Thondamuthur Road Coimbatore
6	24.04.2025 To 28.04.2025	DHIVYADHARSHINI D	Community service	Sree Anbalayam Charitable Trust, Madampatti Post, Coimbatore.
7	28.04.2025 To 02.02.2025	GOPIKA R	Community service	Prabhu Clinic Dharmapuri.
8	24.04.2025 To 28.04.2025	JEEVABHARATHI S	Community service	Sree Anbalayam Charitable Trust, Madampatti Post, Coimbatore.
9	24.04.2025 To 28.04.2025	JEYA R	Community service	Sree Anbalayam Charitable Trust, Madampatti Post, Coimbatore.
10	21.04.2025 To 26.04.2025	KANIMOZHI S	Community service	OTPW Foundation Pattanam Coimbatore
11	17.04.2025 To 21.04.2025	KANISHKA A	Community service	Sree Anbalayam Charitable Trust, Madampatti Post, Coimbatore.
12	24.04.2025 To 28.04.2025	MASILAMANI P	Community service	Sree Anbalayam Charitable Trust, Madampatti Post, Coimbatore.
13	24.04.2025 To 28.04.2025	MITHRA P	Community service	Sree Anbalayam Charitable Trust, Madampatti Post, Coimbatore.
14	17.04.2025 To 21.04.2025	MUTHUKKILI E	Community service	Sree Anbalayam Charitable Trust, Madampatti Post,

				Coimbatore.
15	19.04.2025 To 23.04.2025	NIVEDHARSHINI M	Community service	Vishal Foundation Thondamuthur Road Coimbatore
16	19.04.2025 To 23.04.2025	PRASANNA DEVI M	Community service	Vishal Foundation Thondamuthur Road Coimbatore
17	19.04.2025 To 23.04.2025	RUDHRA B	Community service	Vishal Foundation Thondamuthur Road Coimbatore
18	19.04.2025 To 24.04.2025	AARTHI R	Community service	Muthu Clinic Kesarkuli Main Road Palacode-636808
19	16.04.2025 To 25.04.2025	AMMU N	Community service	Missionaries of Charity Puliakulam Road Ramanathapuram Post Coimbatore
20	21.05.2025 To 25.04.2025	JERLIN ANGEL BUSMATH N	Community service	ZION Model Public School
21	19.06.2025 To 26.04.2025	KANISKHA S	Community service	Sudaroli Social Service Trust Salem District.
22	16.04.2025 To 25.04.2025	LAVANYA S	Community service	Missionaries of Charity Puliakulam Road Ramanathapuram Post Coimbatore
23	16.04.2025 To 25.04.2025	MOHANAPRIYA K	Community service	Missionaries of Charity Puliakulam Road Ramanathapuram Post Coimbatore
24	16.04.2025 To 25.04.2025	MONISA E	Community service	Missionaries of Charity Puliakulam Road Ramanathapuram Post Coimbatore
25	05.05.2025 To	PRAMILA G		Swami sachidanand ninavu vallalar

	10.06.2025		Community service	irrakai nalvalu Araikattalai, Sular ,Coimbatore - 641658
26	05.05.2025 To 10.06.2025	PRISCILLA R	Community service	Swami sachidanand ninavu vallalar irrakai nalvalu Araikattalai, Sular ,Coimbatore - 641658
27	05.05.2025 To 10.06.2025	RAJI S	Community service	Swami sachidanand ninavu vallalar irrakai nalvalu Araikattalai, Sular ,Coimbatore - 641658
28	16.04.2025 To 25.04.2025	THAMASH VINI V	Community service	Missionaries of Charity Puliakulam Road Ramanathapuram Post Coimbatore