

## Math News



**PG AND RESEARCH DEPARTMENT OF  
MATHEMATICS**  
**Sri Sarada College for Women (Autonomous)**  
**Re-accredited with 'B++' Grade by NAAC**  
**(Affiliated to Periyar University)**  
**Salem - 636016**



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**Volume XVIII**

**NEWSLETTER**  
**(For private circulation only)**

**April 2024**

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**Dear Readers,**

With the blessings of the Holy Trinity Sri Ramakrishna Paramahansa, Sri Sarada Devi and Swami Vivekananda we have made an attempt to bring out this newsletter.

We submit this eighteenth volume of newsletter at the lotus feet of Srimath Swami Chidbavananda and Yatiswari Saradapriya Amba. Our humble pranams are due to Directress Yatiswari Vinayakapriya Amba and Secretary Yatiswari Guhapriya Amba. We are thankful to Dr. (Tmt.) R. Uma Rani, M.C.A., M.Phil., Ph.D., Principal and Dr. G. Vasuki, M.Sc., B.Ed., M.Phil., Ph.D., Controller of Examinations for their valuable guidance and constant encouragement in bringing out this editorial volume.

In this volume, we have given the activities of the Department and achievements of the students in the academic year 2023 - 2024.

Thanking You

Editorial Board

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***"Mathematics is the Door and Key to the Sciences"***

**-Roger Bacon**


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## CURRICULUM ENRICHMENT

### Board of Studies Meeting

**Dates:** 02.11.2023


#### Members

Chairman	Subject Expert 1	Subject Expert 2	Geo Tagged Photos
Dr. M. Sudha, M.Sc., M.Phil., Ph.D., Associate Professor & Head, Department of Mathematics, Sri Sarada College for Women (Autonomous), Salem - 636016	Dr. D. Gunasekaran, M. Sc., M.Phil. Ph.D., B.Ed., PGDCA., PGDAOR., MISTE., Associate Professor and Head, Department of Mathematics, PSG College of Arts and Science, Coimbatore - 641014.	Dr. B. Gayathri, M.Sc., M.Phil., Ph.D., PGDCA., MCA., Associate Professor, Department of Mathematics, Periyar EVR College (Autonomous), Trichy-620023	
University Nominee	Industrialist	PG Alumnus	
Dr. V. Sadhasivam, M.Sc. M.Phil., B.Ed., Ph.D., Associate Professor & Head, Department of Mathematics, Thiruvalluvar Government Arts College, Rasipuram - 637401	Prof. Dr. Mendus Jacob, M.Sc., M.Phil., Ph.D, COE, ISPR Solutions Limited, Professor and Director, MCA Program, Marian College, Kuttikkanam(Autonomous), Kottayam - 685531.	Dr. R. P. Vasanthi, M.Sc., M.Phil., Ph.D., Assistant Professor, Department of Mathematics, Government Arts College for Women, Salem - 636008.	
Student Member (UG)	Student Member (PG)		
J. A. Haasini, III B.Sc., Mathematics, Sri Sarada College for Women (Autonomous), Salem - 636016.	C. R. Kavitha, II - M.Sc., Mathematics, Sri Sarada College for Women (Autonomous), Salem - 636016.		
<b>&amp; Other Faculty Members of the Department</b>			

**Dates:** 23.04.2024

#### Members

Chairman	Subject Expert 1	Subject Expert 2	Geo Tagged Photos
Dr. M. Sudha, M.Sc., M.Phil., Ph.D., Associate Professor & Head, Department of Mathematics, Sri Sarada College for Women (Autonomous), Salem - 636016	Dr. S. Sivasankar, Associate Professor, Department of Mathematics, N.G.M. College (Autonomous), Pollachi, Coimbatore - 642001.	Dr. M. Azhagappan, Dean of Academic Affairs, Associate Professor and Head, Department of Mathematics, Yadava College (Autonomous), Thiruppalai, Madurai - 625007.	


University Nominee	Industrialist	PG Alumnus	
Dr. P. Senthil Vadivu, Associate Professor, Department of Mathematics, Government Arts College (Autonomous), Salem - 636007.	Dr. K. A. Sunil Job, Academic Mentor, Marian College, Kuttikkanam, Chief of Academic, IPSR Solutions, Kottayam - 686001	Dr. D. Sobana, Associate Professor, PG and Research Department of Mathematics, Kandaswami Kandar's College, Velur, Namakkal - 638182	
Student Member (UG)	Student Member (PG)		
J. A. Haasini, III B.Sc., Mathematics, Sri Sarada College for Women (Autonomous), Salem - 636016.	C. R. Kavitha II - M.Sc., Mathematics, Sri Sarada College for Women (Autonomous), Salem - 636016.		
<b>&amp; Other Faculty Members of the Department</b>			

### Courses Modified with Percentage

Semester	Name of the Course	Percentage of Modification	Year of Implementation
02.11.2023			
UG			
II	Analytical Geometry (Two and Three Dimensions)	100%	2023-2024
II	Integral Calculus	100%	2023-2024
II	SEC - II Quantitative Aptitude for Competitive Examinations	Nil	2023-2024
II	SEC - III (IKS) History and Development of Indian Mathematics (From Vedic period to Modern Era)	100%	2023-2024
II	Graph theory and its Applications	100%	2023-2024
II	Integral Calculus and Laplace transform	20%	2023-2024
II	Theory of equations and Laplace transform using sage math- Practical	100%	2023-2024
IV	Allied mathematics II	20%	2023-2024
IV	Allied mathematics II - Practical	100%	2023-2024
IV	Allied Mathematical Statistics Using R Programming	100%	2023-2024
PG			
II	Advanced Algebra	100%	2023-2024
II	Real Analysis II	100%	2023-2024
II	Partial Differential Equations	100%	2023-2024
II	Classical Dynamics	Nil	2023-2024
II	Modeling and Simulation with Excel	100%	2023-2024

II	Game theory and Strategy	100%	2023-2024
23.04.2024			
UG			
III	Vector Calculus and its Applications	35%	2024-2025
III	Differential Equations and its Applications	80%	2024-2025
III	Mathematical Statistics - I	50%	2024-2025
III	Statistics with Excel Programming - Practical (Entrepreneurial skill)	100%	2024-2025
III	Data Analytics with R - Practical	Nil	2024-2025
V	Introduction to Artificial Intelligence	100%	2024-2025
V	Introduction to Artificial Intelligence with Python - Practical	100%	2024-2025
PG			
I	Graph Theory and Applications	100%	2024-2025
I	Discrete Mathematics	100%	2024-2025
III	Complex Analysis	20%	2024-2025
III	Topology	5%	2024-2025
III	Probability Theory	20%	2024-2025
III	Machine Learning (Industry Module)	100%	2024-2025
III	Fluid Dynamics	Nil	2024-2025
III	Stochastic Processes	100%	2024-2025
III	EDC - Statistics for Life and Social Sciences	100%	2024-2025


### Internal Academic Audit

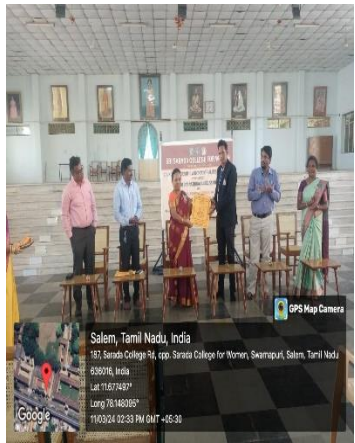


Date	Internal Audit Members	Geo Tagged Photo
22.04.2024	1. Dr. P. Dhanalakshmi, M.A., M.Phil., B.Ed., Ph.D., Assistant Professor of Tamil  2. Dr. S. Vijayalakshmi, M.Sc., M.Phil., Ph.D., Assistant Professor of Zoology	

## Funded Programme

S. No.	Date	Title of the Programme	Amount Sanctioned
1	11.03.2024 to 14.03.2024	CSIR Sponsored Four-day National Level Seminar on The Power of STEM: Solutions for a sustainable Future	50000

## FDP / Webinars/ Seminars/ Conferences/ Symposium Organised

S. No.	Date	Title of the Programme	Topic & Name(s) of the Guest Speaker(s)	No. of Beneficiaries	Level	Geo Tagged Photo
1	11.03.2024 to 14.03.2024	CSIR Sponsored Four-day National Level Seminar on The Power of STEM: Solutions for a sustainable Future	1. Dr. A. Murugan, Professor & Head, Department of Microbiology, Periyar University, Salem - 636 011.	317	NL	
			2. Dr. Ashok Vanaji Bankar, Assistant Professor, Department of Microbiology, MES Abasaheb Garware College, Karve Road, Pune - 411004, Maharashtra.			
			3. Mr. S. Senthilmurugan M.E., (PhD), Technology Manager, I-STEM, IISc Bangalore, Karnataka - 560012.			
			4. Dr. M. Anand, Associate Professor & Head, Department of Marine and Coastal Studies, School of Energy, Environment and Natural resources, Madurai Kamaraj University, Madurai - 625021			
			5. Dr. M. Venkataramanan Professor, Department of Chemical Sciences, Indian Institute of Science Education & Research-Kolkata,	204		

		<p>Mohanpur, Nadia - 741246, West Bengal.</p> <p>6. Dr. V. Sivamurugan, Professor, PG &amp; Research Dept. of Chemistry, Pachaiyappa's College, Chennai - 600 031.</p> <p>7. Dr. V. Raj, Professor &amp; Head, Department of Chemistry, Periyar University, Salem - 636011.</p>			
		<p>8. Mr. Ajesh P Joseph, Head &amp; Assistant Professor, Department of Social Work, Marian College (Autonomous), Kuttikkanam, Kerala - 685531</p> <p>9. Dr. Sundarapandian Vaidyanathan, Professor, Research and Development Centre, Vel Tech University, Chennai - 600062</p> <p>10. Dr. K. Akilandeswari, Associate Professor, Department of Computer Science, Government Arts College, Salem -636007.</p>	255		
		<p>11. Dr. M. Pitchaimani Director School Chairperson, Director and Head i/c, Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chepauk, Chennai - 600 005.</p> <p>12. Ms. Pooja Punetha, Facility Technologist, I-STEM, Thin Film Deposition, Indian Institute of Science, Bengaluru, Karnataka – 560012.</p>	355		

			13. Dr. Sundarapandian Vaidyanathan, Professor, Research and Development Centre, Vel Tech University, Chennai - 600062.			
2	18.03.2024	Exploring the Frontier: Leveraging AI Tools for Advanced Projects and Research in Mathematics	<p>1 Dr. Noorul Hussain, Founder &amp; CEO, Intrust Innovation Labs, Chennai – 600113</p> <p>2. Mr S. R. Niteesh R&amp;D Team, Intrust Innovation Labs, Chennai – 600113</p> <p>3. Mr S. Raju R&amp;D Team, Intrust Innovation Labs, Chennai – 600113</p>			

### IKS Related Activities

- Certificate Course on Vedic Mathematics
- Diploma Course on Vedic Mathematics
- Advanced Diploma Course on Vedic Mathematics
- PG Student's Seminar on "Quantum Theory - Mathematical and Vedic Approach"
- UG Student's Seminar on "The Vedic and Mathematical Facets of Agriculture"
- SEC – III (IKS) History and Development of Indian Mathematics (From Vedic period to Modern Era)
- ADC Projects
  - i. Vedic Math Mastery: Unleashing the Power of Ancient Sutras in Modern Applications
  - ii. Some Applications of Vedic Algebra Using Simultaneous Linear Equations.
  - iii. Vedic Mathematics in Competitive Examinations: Exploring Strategies for Success.
  - iv. Bridging Ancient Wisdom with Modern Astronomy through Vedic Mathematics.

### RESEARCH ACTIVITIES

#### Ph. D. Registered

SI. No.	Name of the Scholar	Registration Number	Date of Registration	Research Supervisor
1	M. Divya	PUAD220270652	07.07.2023	Dr. D. Amsaveni
2	M. Raxhsana	PUAJ230270767	14.12.2023	Dr. D. Amsaveni
3	R. Maiyurapriya	PUAJ230270768	14.12.2023	Dr. D. Amsaveni

## PUBLICATIONS

### Books Published

Sl. No.	Name of the Faculty	Name of the Book	Publisher	ISBN
1	Dr. D. Amsaveni Mr. S. Venkatesan Dr. J. Tamilmani	Operations Research: Linear Programming Problem	Haiyagrev Publications	978-81-967307-2-7
2	Dr. D. Amsaveni Dr. R. Roselin Dr. S. D. K. Shri Devi Dr. R. Kavitha (Editor)	The Power of STEM: Solutions for a Sustainable Future	Saliha Publications	978-93-941988-7-6

### Journal Publications

Sl. No.	Name	Title of the Journal	Title of the Paper	Month, Year, Vol. No. & Page No.	Impact Factor	WoS / Scopus/ UGC Care List
<b>FACULTY</b>						
1.	Dr. B. Amudhambigai	SN Computer Science	What Ails Cyber Insurance? An Analysis of Barriers and Drivers Using Fuzzy TOPSIS Method	Vol. 5, No. 20, (2024), Pp: 19-953	3.78	Scopus and Web of Science
2	Dr. R. Anbuviethya	International Journal of Control	A Sample- Data Stabilization Analysis on Memristive BAM Neural Networks for Memductance Function	DOI: <a href="https://doi.org/10.1080/00207179.2023.2277348">10.1080/00207179.2023.2277348</a> (2023), Pp: 1 - 12	2.1	Scopus and Web of Science

### Paper Presentations

Sl. No.	Name of the Faculty	Date	Title of the Seminar/Conference/ Symposium & Host Institution	Title of the Paper
<b>FACULTY</b>				
1.	Dr. D. Amsaveni			Optimization of Generated Waste Plastic Fuel Through Mathematical Approach

2.		21.02.2024 & 22.02.2024	International Conferences on Emerging Materials and Technology organized by K.S.R College of Engineering, Tiruchengode in association with Dongguk University, South Korea - 04620.	Optimizing the Supply of Ethanol in India Using Fuzzy Based Discrete Dynamic Programming
3.				Analysing the Possibility of Having Heavy Metal Content in Cosmetic Products Using Fuzzy Linear Regression Model
4.		11.03.2024 to 14.03.2024	CSIR Sponsored Four-day National Level Seminar on “The Power of STEM: Solutions for a sustainable Future” organized by the PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada College for Women (Autonomous), Salem-636016.	Age-Related Covid-19 Exposure to Diabetes Using Fuzzy Linear Regression
5.				Assessment of Healthy Diet Plan for Diabetic: A Mathematical Approach
6.				Graph Theory Applications in Vascular Disease of The Brain
7.				Intuitionistic Fuzzy Graphs with Application in Selection of Best Soil to Cultivate Maize Crop
8.				An Anatomization of the Chemicals Causing Infertility in India by Intuitionistic Fuzzy Logic
9.		Dr. B. Amudhambigai	11.03.2024 to 14.03.2024	CSIR Sponsored Four-day National Level Seminar on “The Power of STEM: Solutions for a sustainable Future” organized by the PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada College for Women (Autonomous), Salem-636016.
10.	10.04.2024		National Level Staff Seminar on “Impact, Opportunities and Challenges of AI in Higher Education” organized by IQAC, Sri Sarada College for Women (Autonomous), Salem-636016.	Propelling the Ingenuity of Research Ideas through the Lens of AI
11.				Harnessing the Power of AI in Curriculum Design: Advancements, Challenges and Future Prospects
12.	Dr. R. Anbuviya	11.03.2024 to 14.03.2024	CSIR Sponsored Four-day National Level Seminar on “The Power of STEM: Solutions for a sustainable	A Study on Traffic Light Control at Crossroad

			Future” organized by the PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada College for Women (Autonomous), Salem-636016.	Using Graph Theory with Lindo
13.		10.04.2024	National Level Staff Seminar on “Impact, Opportunities and Challenges of AI in Higher Education” organized by IQAC, Sri Sarada College for Women (Autonomous), Salem-636016.	Harnessing the Power of AI in Curriculum Design: Advancements, Challenges and Future Prospects
14.	Dr. V. Vijaya Bharathi	11.03.2024 to 14.03.2024	CSIR Sponsored Four-day National Level Seminar on “The Power of STEM: Solutions for a sustainable Future” organized by the PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada College for Women (Autonomous), Salem-636016.	Active Learning in Mathematic for STEM: Real-Life Engineering Applications
15.	Dr. J. Tamilmani	11.03.2024 to 14.03.2024	CSIR Sponsored Four-day National Level Seminar on “The Power of STEM: Solutions for a sustainable Future” organized by the PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada College for Women (Autonomous), Salem-636016.	A Study on Fuzzy Techniques for the Cost Effective Milk Transportation in Supply Chains
16.				Optimization Of Loom Cottage Business Operations Using Fuzzy Number Linear Programming Techniques
17.	Dr. P. Saranya	11.03.2024 to 14.03.2024	CSIR Sponsored Four-day National Level Seminar on “The Power of STEM: Solutions for a sustainable Future” organized by the PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada College for Women (Autonomous), Salem-636016.	Exploring the Fuzzy Delphi Method for Enhanced Juice Production
18.				Trapezoidal Fuzzy Approach to Queuing Analysis
19.				Optimizing Fuzzy Sequencing Problems Through Generalized Fuzzy Numbers
20.	Dr M. Deepa	07.12.2023 & 08.12.2023	Two Day International Conference On “G20 and Indian Management Practices” organized by Sakthi Institute of Information and Management Studies, Pollachi - 642001	Statistical Impact on G20 Action Plan for Indian

21.			CSIR Sponsored Four-day National Level Seminar on “The Power of STEM: Solutions for a sustainable Future” organized by the PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada College for Women (Autonomous), Salem-636016	Some Nano Topological Structures via Ideals
22.		11.03.2024 to 14.03.2024		New Generalized Closed Sets in Ideal Nano topological Spaces
<b>Ph.D. SCHOLARS</b>				
23.	M. Divya	21.02.2024 & 22.02.2024	International Conferences on Emerging Materials and Technology organized by K.S.R College of Engineering, Tiruchengode in association with Dongguk University, South Korea -04620	Optimization of Generated Waste Plastic Fuel Through Mathematical Approach
24.		11.03.2024 to 14.03.2024	CSIR Sponsored Four-day National Level Seminar on “The Power of STEM: Solutions for a sustainable Future” organized by the PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada College for Women (Autonomous), Salem-636016	Assessment of Healthy Diet Plan for Diabetic: A Mathematical Approach
25.	R. Maiyurapriya	21.02.2024 & 22.02.2024	International Conferences on Emerging Materials and Technology organized by K.S.R College of Engineering, Tiruchengode in association with Dongguk University, South Korea - 04620.	Optimizing the Supply of Ethanol in India Using Fuzzy Based Discrete Dynamic Programming
26.		11.03.2024 to 14.03.2024	CSIR Sponsored Four-day National Level Seminar on “The Power of STEM: Solutions for a sustainable Future” organized by the PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada College for Women (Autonomous), Salem-636016	Intuitionistic Fuzzy Graphs with Application in Selection of Best Soil to Cultivate Maize Crop
27.	M. Raxhsana	21.02.2024 & 22.02.2024	International Conferences on Emerging Materials and Technology organized by K.S.R College of Engineering, Tiruchengode in association with Dongguk University, South Korea - 04620.	Optimizing the Supply of Ethanol in India Using Fuzzy Based Discrete Dynamic Programming

28.		11.03.2024 to 14.03.2024	CSIR Sponsored Four -day National Level Seminar on “The Power of STEM: Solutions for a sustainable Future” organized by the PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada College for Women (Autonomous), Salem-636016	Fuzzy Graph Theory Applications in Vascular Disease of The Brain
29.	M. Renugadevi	21.02.2024 & 22.02.2024	International Conferences on Emerging Materials and Technology organized by K.S.R College of Engineering, Tiruchengode in association with Dongguk University, South Korea – 04620.	Analysing the Possibility of Having Heavy Metal Content in Cosmetic Products Using Fuzzy Linear Regression Model

## PARTICIPATION

### Orientation/ Refresher/ FDPs/ STCs/ Conferences/ Seminars/ Webinars Attended

Sl. No.	Name of the Faculty	Date/ Duration	Title of the Programme	Host Institution & Sponsored by
<b>FACULTY</b>				
1.	Dr. M. Sudha	26.07.2023 & 27.07.2023	Two Days Online Faculty Development Programme on “E-Content Development”	IQAC, Sri Sarada college for Women (Autonomous), Salem -636016.
2.		21.09.2023	IP awareness/ Training Program under National Intellectual Property Awareness Misson	Government of India, Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade, Office of the Controller General of Patents, Design and Trade Marks, Intellectual property office, India.
3.		11.03.2024 to 14.03.2024	CSIR Sponsored Four-day National Level Seminar on “The Power of STEM: Solutions for a sustainable Future”	PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada college for Women (Autonomous), Salem - 636016. Sponsored by CSIR
4.		10.04.2024	National Level Staff Webinar on Impact, Opportunities and Challenges of AI in Higher Education	organized by IQAC, Sri Sarada College for Women (Autonomous), Salem-636016

5.	Dr. L. Madhuchelvi	26.07.2023 & 27.07.2023	Two Days Online Faculty Development Programme on “E-Content Development”	IQAC, Sri Sarada college for Women (Autonomous), Salem - 636016.
6.		21.09.2023	IP awareness/ Training Program under National Intellectual Property Awareness Misson	Government of India, Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade, Office of the Controller General of Patents, Design and Trade Marks, Intellectual property office, India.
7.		11.03.2024 to 14.03.2024	CSIR Sponsored Four-day National Level Seminar on “The Power of STEM: Solutions for a sustainable Future”	PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada college for Women (Autonomous), Salem - 636016. Sponsored by CSIR
8.		10.04.2024	National Level Staff Webinar on Impact, Opportunities and Challenges of AI in Higher Education	organized by IQAC, Sri Sarada College for Women (Autonomous), Salem-636016.
9.	Dr. D. Amsaveni	01.07.2023 to 07.07.2023	One Week Faculty Development Programme on “Blend Learning Concepts and Tools”	Teaching learning Centre, Ramanujan College, University of Delhi, under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching Ministry of Education
10.		26.07.2023 & 27.07.2023	Two Days Online Faculty Development Programme on “E-Content Development”	IQAC, Sri Sarada college for Women (Autonomous), Salem -636016.
11.		13.08.2023	Live workshop on AI-Tools	International Institute of Organized Research (I2OR), India
12.		21.09.2023	IP awareness/ Training Program under National Intellectual Property Awareness Misson	Government of India, Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade, Office of the Controller General of Patents, Design and Trade Marks, Intellectual property office, India.
13.		02.11.2023 to 09.11.2023	7 Day National level Online Faculty Development Program on “Outcome Based Education and Essential AI Tools for Teachers”	IQAC, Department of your Computer Science, St.Albert College (Autonomous), Ernakulam, Kerala State Higher Education Council (KSHEC)

14.		01.02.2024 & 02.02.2024	Two Day International Symposium on Innovations in Biosciences 24	Department of Botany, Sri Sarada College for Women (Autonomous), Salem - 636016
		11.03.2024 to 14.03.2024	CSIR Sponsored Four-day National Level Seminar on “The Power of STEM: Solutions for a sustainable Future”	PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada college for Women (Autonomous), Salem - 636016. Sponsored by CSIR
		10.04.2024	National Level Staff Webinar on Impact, Opportunities and Challenges of AI in Higher Education	organized by IQAC, Sri Sarada College for Women (Autonomous), Salem-636016
15.				
16.	Dr. B. Amudhambigai	01.07.2023 to 07.07.2023	One Week Faculty Development Programme on “Blend Learning Concepts and Tools”	Teaching learning Centre, Ramanujan College, University of Delhi, under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching Ministry of Education
17.		11.07.2023 to 20.07.2023	Online Certificate Course Cum workshop of 32 hours on “Open Source and AI-based Tools for Research”	Santan Dharma College, Ambala Cantt, Affiliated to Kurukshetra University Kurukshetra, Haryana
18.		26.07.2023 & 27.07.2023	Two Days Online Faculty Development Programme on “E-Content Development”	IQAC, Sri Sarada College for Women (Autonomous), Salem-636016
19.		13.08.2023	Live workshop on AI-Tools	International Institute of Organized Research (I2OR), India
20.		14.08.2023 to 20.08.2023	One Week Faculty Development Programme on “Research Method and Research Design”	Teaching learning Centre, Ramanujan College, University of Delhi, under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching Ministry of Education
21.		21.09.2023	IP awareness/ Training Program under National Intellectual Property Awareness Misson	Government of India, Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade, Office of the Controller General of Patents, Design and Trade Marks, Intellectual property office, India.
22.		21.09.2023 to 29.09.2023	Eight Days National Level Online Faculty Development Programme on Research Methodology Using ChatGPT and AI Tools	PG Department of Computer Applications, IQAC and Lincoln University College Marian Research Centre of

				Marian College Kuttikanam (Autonomous) in Association with The Kerala State Higher Education Council
23.		16.10.2023 to 20.10.2023	Five Days National Level Online FDP Moulding Academicians in AI World	DJ Academy of Research and Innovations, Pudukkad, Thrissur, Kerala.
24.		12.10.2023 to 19.10.2023	Seven Days National Level Online Faculty Development Programme on Curriculum Framework in line with NEP 2020, OBE and AI Advancements	IQAC of Mar Thoma College for Women, Perumbavoor, in association with The Kerala State Higher Education Council.
25.		21.01.2024 to 30.01.2024	Online Certificate Course Cum Workshop of 32 hours on Crafting Vision, Shapping Content: Your Journey in design Mastery	Santan Dharma College, Ambala Cantt, Affiliated to Kurukshetra University Kurukshetra, Haryana
26.		01.02.2024 & 02.02.2024	Two Day International Symposium on Innovations in Biosciences 24	Department of Botany, Sri Sarada College for Women (Autonomous), Salem - 636016
27.		11.03.2024 to 14.03.2024	CSIR Sponsored Four-day National Level Seminar on “The Power of STEM: Solutions for a sustainable Future”	PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada college for Women (Autonomous), Salem - 636016. Sponsored by CSIR
28.		10.04.2024	National Level Staff Webinar on Impact, Opportunities and Challenges of AI in Higher Education	organized by IQAC, Sri Sarada College for Women (Autonomous), Salem-636016
29.		14.12.2023 to 20.12.2023	Online One Week Faculty Development Programme on E-Learning & E-Governance	Teaching learning Centre, Ramanujan College, University of Delhi, under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching Ministry of Education
30.	Dr. R. Anbuviethya	11.03.2024 to 14.03.2024	CSIR Sponsored Four-day National Level Seminar on “The Power of STEM: Solutions for a sustainable Future”	PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada college for Women (Autonomous), Salem - 636016. Sponsored by CSIR
31.		10.04.2024	National Level Staff Webinar on Impact, Opportunities and Challenges of AI in Higher Education	organized by IQAC, Sri Sarada College for Women (Autonomous), Salem-636016
32.	Dr. V. Vijaya Bharathi	11.07.2023 to 20.07.2023	Online Certificate Course Cum workshop of 32 hours on “Open Source and AI-based Tools for Research”	Santan Dharma College, Ambala Cantt, Affiliated to Kurukshetra University Kurukshetra, Haryana

33.		26.07.2023 & 27.07.2023	Two Days Online Faculty Development Programme on “E-Content Development”	IQAC, Sri Sarada College for Women (Autonomous), Salem-636016.
34.		21.09.2023	IP awareness/ Training Program under National Intellectual Property Awareness Misson	Government of India, Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade, Office of the Controller General of Patents, Design and Trade Marks, Intellectual property office, India.
35.		11.03.2024 to 14.03.2024	CSIR Sponsored Four-day National Level Seminar on “The Power of STEM: Solutions for a sustainable Future”	PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada college for Women (Autonomous), Salem - 6360 16.  Sponsored by CSIR
36.		10.04.2024	National Level Staff Webinar on Impact, Opportunities and Challenges of AI in Higher Education	organized by IQAC, Sri Sarada College for Women (Autonomous), Salem-636016.
37.	Dr. J. Tamilmani	01.07.2023 to 07.07.2023	One Week Faculty Development Programme on “Blend Learning Concepts and Tools”	Teaching learning Centre, Ramanujan College, University of Delhi, under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching Ministry of Education
38.		11.07.2023 to 20.07.2023	Online Certificate Course Cum workshop of 32 hours on “Open Source and AI-based Tools for Research”	Santan Dharma College, Ambala Cantt, Affiliated to Kurukshetra University Kurukshetra, Haryana
39.		26.07.2023 & 27.07.2023	Two Days Online Faculty Development Programme on “E-Content Development”	IQAC, Sri Sarada College for Women (Autonomous), Salem-636016
40.		13.08.2023	Live workshop on AI-Tools	International Institute of Organized Research (I2OR), India
41.		21.09.2023	IP awareness/ Training Program under National Intellectual Property Awareness Misson	Government of India, Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade, Office of the Controller General of Patents, Design and Trade Marks, Intellectual property office, India.


42.		01.02.2024 & 02.02.2024	Two Day International Symposium on Innovations in Biosciences 24	Department of Botany, Sri Sarada College for Women (Autonomous), Salem -636016
43.		11.03.2024 to 14.03.2024	CSIR Sponsored Four -day National Level Seminar on “The Power of STEM: Solutions for a sustainable Future”	PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada college for Women (Autonomous), Salem - 636016. Sponsored by CSIR
44.		10.04.2024	National Level Staff Webinar on Impact, Opportunities and Challenges of AI in Higher Education	organized by IQAC, Sri Sarada College for Women (Autonomous), Salem- 636016.
45.	Dr. P. Saranya	01.07.2023 to 07.07.2023	One Week Faculty Development Programme on “ Blend Learning Concepts and Tools”	Teaching learning Centre, Ramanujan College, University of Delhi, under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching Ministry of Education
46.		11.07.2023 to 20.07.2023	Online Certificate Course Cum workshop of 32 hours on “Open Source and AI-based Tools for Research”	Santan Dharma College, Ambala Cantt, Affiliated to Kurukshetra University Kurukshetra, Haryana
47.		26.07.2023 & 27.07.2023	Two Days Online Faculty Development Programme on “E- Content Development”	IQAC, Sri Sarada College for Women (Autonomous), Salem-636016.  Sponsored by NAAC
48.		13.08.2023	Live workshop on AI-Tools	International Institute of Organized Research (I2OR), India
49.		21.09.2023	IP awareness/Training National Intellectual Property Awareness Mission	Government of India, Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade, Office of the Controller General of Patents, Design and Trade Marks, Intellectual property office, India.
50.		01.02.2024 & 02.02.2024	Two Day International Symposium on Innovations in Biosciences 24	Department of Botany, Sri Sarada College for Women (Autonomous), Salem -636016
51.		11.03.2024 to 14.03.2024	CSIR Sponsored Four -day National Level Seminar on “The Power of STEM: Solutions for a sustainable Future”	PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada college for Women (Autonomous), Salem -6360 16. Sponsored by CSIR

52.		10.04.2024	National Level Staff Webinar on Impact, Opportunities and Challenges of AI in Higher Education	organized by IQAC, Sri Sarada College for Women (Autonomous), Salem-636016
53.	Dr. M. Deepa	26.07.2023 & 27.07.2023	Two Days Online Faculty Development Programme on “E-Content Development”	IQAC, Sri Sarada College for Women (Autonomous), Salem-636016 Sponsored by NAAC
54.		21.09.2023	IP awareness/Training National Intellectual Property Awareness Mission	Government of India, Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade, Office of the Controller General of Patents, Design and Trade Marks, Intellectual property office, India.
55.		07.12.2023 & 08.12.2023	International Conference on “G20 and Indian Management Practices” in Statistical Impact on G20 Action Plan for Indian Economy	Sakthi Institute of Information and Management Studies, Pollachi
56.		22.02.2024	One Day National Level Seminar on Application of Graph Parameters in Real World Problems	Department of Mathematics, Salem Sowdeswari College (For Women), Salem - 636010
57.		11.03.2024 to 14.03.2024	CSIR Sponsored Four -day National Level Seminar on “The Power of STEM: Solutions for a sustainable Future”	PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada college for Women (Autonomous), Salem - 636016. Sponsored by CSIR
58.		10.04.2024	National Level Staff Webinar on Impact, Opportunities and Challenges of AI in Higher Education	organized by IQAC, Sri Sarada College for Women (Autonomous), Salem-636016
Ph.D. SCHOLARS				
59.	M. Divya	23.11.2023 to 01.12.2023	Eight Days National Level Online Faculty Development Program on Research Methodology Using ChatGPT & AI tools and Funding Opportunities for Research	PG Department of Computer Applications, IQAC and Lincoln University College Marian Research Centre of Marian College Kuttikanam (Autonomous), in association with The Kerla State Higher Education Council, Kerala








60.		08.01.2024 & 09.01.2024	International Conference on Graph Theory	Department of Mathematics, Periyar University, Salem - 636011
61.		22.02.2024	One Day National Level Seminar on Application of Graph Parameters in Real World Problems	Department of Mathematics, Salem Sowdeswari College (For Women), Salem -636010
62.	R. Maiyurapriya	08.01.2024 & 09.01.2024	International Conference on Graph Theory	Department of Mathematics, Periyar University, Salem - 636011
63.		22.02.2024	One Day National Level Seminar on Application of Graph Parameters in Real World Problems	Department of Mathematics, Salem Sowdeswari College (For Women), Salem -636010
64.	M. Raxshsana	08.01.2024 & 09.01.2024	International Conference on Graph Theory	Department of Mathematics, Periyar University, Salem - 636011
65.		22.02.2024	One Day National Level Seminar on Application of Graph Parameters in Real World Problems	Department of Mathematics, Salem Sowdeswari College (For Women), Salem -636010

## ACTIVITIES FOR STUDENTS' SUPPORT AND PROGRESSION


### Students' Induction Programme: Department Orientation






Date	Topics Covered	No. of Beneficiaries	Geo Tagged Photos
05.07.2023	<ul style="list-style-type: none"> <li>Staff Introduction by HoD</li> <li>History and Development of the Department</li> <li>Infrastructure Details</li> <li>Other Relevant Details</li> <li>Importance of the Core / Elective / Skill Based Courses of the Programme</li> <li>Division of Students for Tamil, Hindi, Sanskrit and English Classes</li> </ul>	64	 <p>sri sarada college for women Salem- 636016 Tamil Nadu India 2023-07-05(Wed) 11:34(am)</p>




## Bridge Course

Date & Duration	Class	Concepts Covered	No. of Beneficiaries	Geo Tagged Photo
21.06.2023	II B.Sc., Physics	Basic Mathematics	35	
21.06.2023	II B.Sc., Chemistry	Basic Mathematics	31	
19.06.2023	II B.Com 'A'	Basic Mathematics	66	
19.06.2023	II B.Com 'B'	Basic Mathematics	65	
06.07.2023	I - B.Sc., Statistics	Basic Mathematics	40	
06.07.2023	I - B. Sc., Computer Science	Basic Mathematics	42	
06.07.2023	I – B.Sc., Chemistry	Basic Mathematics	40	

## Mentor/Mentee Support

Mentor	No. of Mentees	Counseling Dates	Geo Tagged Photos
Dr. M. Sudha	27		

Dr. L. Madhuchelvi	27		 A classroom scene with a teacher in a yellow sari standing at the front, addressing a group of female students seated at desks. The room has white walls and windows. A GPS overlay at the bottom right shows the location as Sri Sarada College for Women, Salem, Tamil Nadu, with coordinates and a timestamp of 20/12/23 11:57 AM GMT +05:30.
Dr. D. Amsaveni	27	26.07.2023, 28.07.2023, 04.08.2023, 23.08.2023, 01.09.2023, 27.09.2023, 11.10.2023, 27.10.2023, 08.12.2023, 20.12.2023, 05.01.2024, 25.01.2024, 02.02.2024, 16.02.2024, 11.03.2024 & 13.03.2024	 A classroom scene with a teacher in a red sari standing at the front, addressing a group of female students seated at desks. The room has white walls and windows. A GPS overlay at the bottom right shows the location as Sri Sarada College for Women, Salem, Tamil Nadu, with coordinates and a timestamp of 05/02/24 01:11 PM GMT +05:30.
Dr. B. Amudhambigai	27		 A classroom scene with a teacher in a yellow sari standing at the front, addressing a group of female students seated at desks. The room has white walls and windows. A GPS overlay at the bottom right shows the location as Sri Sarada College for Women, Salem, Tamil Nadu, with coordinates and a timestamp of 15/02/24 11:40 AM GMT +05:30.
Dr. R. Anbuvithya	27		 A classroom scene with a teacher in a pink sari standing at the front, addressing a group of female students seated at desks. The room has white walls and windows. A GPS overlay at the bottom right shows the location as Sri Sarada College for Women, Salem, Tamil Nadu, with coordinates and a timestamp of 16/02/24 12:35 PM GMT +05:30.
Dr. V. Vijaya Bharathi	27		 A classroom scene with a teacher in a blue sari standing at the front, addressing a group of female students seated at desks. The room has white walls and windows. A GPS overlay at the bottom right shows the location as Sri Sarada College for Women, Salem, Tamil Nadu, with coordinates and a timestamp of 21/09/23 02:06 PM GMT +05:30.

Dr. J. Tamilmani	27		
Dr. P. Saranya	27	26.07.2023, 28.07.2023, 04.08.2023, 23.08.2023, 01.09.2023, 27.09.2023, 11.10.2023, 27.10.2023,	
Dr. M. Deepa	27	08.12.2023, 20.12.2023, 05.01.2024, 25.01.2024, 02.02.2024, 16.02.2024, 11.03.2024 & 13.03.2024	

### Remedial Coaching


Class	Dates	No. of Beneficiaries
III B.Sc., Mathematics	07.08.2023, 23.08.2023, 25.09.2023, 03.10.2023, 25.10.2023, 27.10.2023, 25.01.2024, 12.02.2024, 11.03.2024 & 13.03.2024	6
II B.Sc., Physics	11.08.2023, 25.08.2023, 27.09.2023, 6.10.2023, 25.10.2023, 30.10.2023, 19.01.2024, 09.02.2024, 11.03.2024 & 13.03.2024	6
II B.Sc., Chemistry		6

II B.Sc., Mathematics	07.08.2023, 23.08.2023, 25.09.2023, 03.10.2023, 25.10.2023, 27.10.2023, 25.01.2024, 12.02.2024, 11.03.2024 & 13.03.2024	6
II B.Com 'A'	11.08.2023, 25.08.2023, 27.09.2023, 6.10.2023, 25.10.2023, 30.10.2023, 19.01.2024, 09.02.2024, 11.03.2024 & 13.03.2024	6
II B.Com 'B'		6
I B.Sc., Mathematics	07.08.2023, 23.08.2023, 25.09.2023, 03.10.2023, 25.10.2023, 27.10.2023, 25.01.2024, 12.02.2024, 11.03.2024 & 13.03.2024	6
I B.Sc., Computer Science	07.08.2023, 11.08.2023, 15.09.2023, 09.10.2023, 13.10.2023, 30.10.2023, 25.01.2024, 16.02.2024, 11.03.2024 & 13.03.2024	6
I B.Sc., Statistics		6
I B.Sc., Chemistry		6

### Association and its Office Bearers

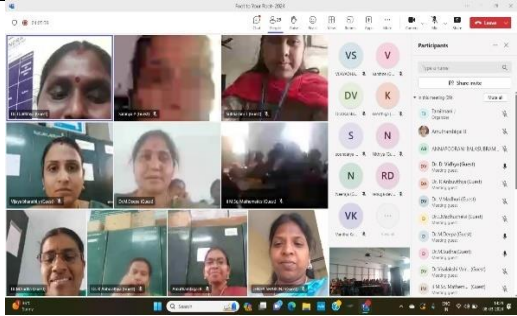
Name of the Association	Vice President	Secretary Name & Class
Mathematics Association	Dr. V. Vijaya Bharathi, Assistant Professor, PG & Research Department of Mathematics	M. Nandhini, III B.Sc. Mathematics

### Association Activities

S. No.	Date	Event	Resource Person & Title	No. of Beneficiaries	Geo Tagged Photo
1	19.12.2023	Online Quiz	-	880	

2	20.12.2023	Webinar	Dr. N. Annamalai, Lecturer, Department of Basic Science, Government Polytechnic College, Sankarapuram - 606401.  Title: An Innovative Dimension on Continuity and Differentiability	240	
3	21.12.2023	Webinar	Dr. M. Ashok Kumar, Faculty of Computer Science, Skyline University, Nigeria, Kano, Nigeria- 700103  Title: Artificial Intelligence Tools	983	
4	15.03.2024	Webinar	Dr. P. Sathish Kumar, Founder & CEO of i18 solutions, Organiser Google Developer Group, Salem  Title : Entrepreneurial Analytics: A Journey Through Mathematics, Computer Science and Statistics	400	


### Alumnae Sharing Expertise Programme on International Women's Day


S. No.	Distinguished Alumnae – Name and Designation	Topic	No. of Beneficiaries	Geo Tagged Photo
1.	Dr. D. Vidhya Assistant Professor of Mathematics, Mahendra College of Engineering Minnampalli Salem - 636 106	Foot to your Root	84	

### Workshops Attended by our Students organized by IQAC

S. No.	Date	Class	Topic	Resource Person(s)	No. of Beneficiaries
1	21.08.2023	I B.Sc., Mathematics	Letter Writing Skills	Dr. A. Revathi	64
				Dr. K. Saritha	
				Dr. J. Sharmila Devi	
2	28.08.2023 to 30.08.2023	I B.Sc., Mathematics	Mozhipayirchi Pattarai	Faculty members of Tamil Department (Except Mrs. Baghusia Begum)	64
2	22.08.2023	II B.Sc., Mathematics	Interpersonal Skills for Entrepreneurs	Mrs. S. Lavanya	51
			Importance of English in Entrepreneurial Development	Dr. J. Mahaboob Bee	
			Technical Communication Skills	Dr. R. Renuka Devi	
3	23.08.2023	III B.Sc., Mathematics	Effective Communicative Skills for Entrepreneurs	Dr. S. Esther Juliet Sujatha	59
			Social Skills for Entrepreneurs	Dr. D. Ghayathry	
			Creating Effective Business Slogans	Dr. S. Maheswari	
4	24.08.2023	I M.Sc., Mathematics	Communication Skills	Dr. S. Ramya Niranjani	37
			Etiquette and Manners	Mrs. M. P. Rajeshwari,	
			Emotional Intelligence	Mrs. Renie Johnson	
5	28.08.2023	II M.Sc., Mathematics	Time Management & Stress Management	Dr. K. Sangeetha,	27
			Financial Skills	Dr A Selvalakshmi	
			Entrepreneurial Soft Skills for the Future	Dr C Preetha	

### UG/ PG Students' Seminars

Date	Topic	Resource Person	No. of Papers Presented	No. of Beneficiaries	Geo tagged Photo
<b>UG</b>					
01.03. 2024	The Vedic and Mathematical Facets of Agriculture (IKS Related)	Dr. V. Visalakshi, M.Sc., M.Phil., Ph. D.,  Assistant Professor, Department of Mathematics,  College of Engineering and Technology, SRM Institute of Science and Technology, Kattankulathur, Chennai - 603203	20	170	

PG					
03.02.2023	Quantum Theory – Mathematical and Vedic Approach (IKS Related)	Dr. N. Anitha, M.Sc., B.Ed., M.Phil., Ph.D., Assistant Professor-II, Department of Mathematics, School of Foundational Sciences, Kumaraguru College of Technology, Coimbatore -641049.	17	70	

### Internship Programme

S. No.	Name of the Organization	Number of Students	From – to – Dates	Place
1.	Salem Steel Plant	5	01.06.2023 to 14.06.2023	Salem
2.	Durga Tech	14	01.06.2023 to 15.06.2023	Salem
3.	Amman Suzuki Company	4	31.05.2023 to 14.06.2023	Salem
4.	MS Design Studio	4	01.06.2023 to 15.06.2023	Salem
5.	Armour Steel Building	4	03.06.2023 to 18.06.2023	Salem
6.	Sukanya Clinic	2	02.06.2023 to 16.02.2023	Salem
7.	Green Agro Chem	2	01.06.2023 to 15.06.2023	Salem
8.	SAIL Refractory Company Ltd	3	31.05.2023 to 14.06.2023	Salem
9.	M/s Hindhuja Plastic	2	01.06.2023 to 15.06.2023	Hosur
10.	Salem District Co-operation Milk Producers Union Ltd	6	29.05.2023 to 11.06.2023	Salem
11.	Silverlines Matriculation School	1	01.06.2023 to 15.06.2023	Salem
12.	Mahalakshmi Poultry Farms	1	01.06.2023 to 15.06.2023	Namakkal
13.	SYSS Tech	1	01.06.2023 to 15.06.2023	Salem
14.	Expinos Technology	1	01.06.2023 to 15.06.2023	Coimbatore
15.	KKP Weaving Processing Ltd	1	01.06.2023 to 15.06.2023	Namakkal
16.	M/s Muthu &Co.	1	01.06.2023 to 15.06.2023	Salem

17.	Sri Bharathiyar Vidya Mandir Matric Higher Secondary School	1	01.06.2023 to 15.06.2023	Namakkal
18.	Aavin BMC	1	01.06.2023 to 15.06.2023	Salem
19.	Sri Sarada Matriculation Girls Higher Secondary School	3	01.06.2023 to 17.06.2023	Salem

### Group Project

S.No	Title of the Project	Date(s)	Place	Supervisor	Name of the Students
1	Linear Programming: An Approach Towards Effective Phytoremediation	27.03.2024	Sri Sarada College for Women (Autonomous), Salem – 636016.	Dr. M. Sudha	Aarthi P Aarthiga S Abinaya J Bavya P Bhuvaneswari S Dejashree S
2	Mathematical Model for Revitalizing Health: Amla's Triumph Over Scurvy	27.03.2024	Sri Sarada College for Women (Autonomous), Salem– 636016.	Dr. L. Madhuchelvi	Devi B Divyabharathi E Fathima Sherin M Gayathiri B Haasini J A Harini V
3	Optimizing the Phosphorus Level in Lake Water through Azolla Plant Cultivation: A Mathematical Modeling Approach	27.03.2024	Sri Sarada College for Women (Autonomous), Salem– 636016.	Dr. D. Amsaveni	Jeevajothi R Karthiga S Kaviya T Lathiga S Lena K S Keerthi B. P
4	Analyzing Heat Transfer Using Newton's Law of Cooling	27.03.2024	Sri Sarada College for Women (Autonomous), Salem– 636016.	Dr. D. Amsaveni	Vaishnavi G Eswari S K Gomathi M kaviya S Lavanya P Neethimathi J Nithisri R
5	Avian Migration Dynamics: Analyzing Bird Population Movement between Vedanthangal and	27.03.2024	Sri Sarada College for Women (Autonomous),	Dr. B. Amudhambigai	Lithika Varsu U Loshika S Meena S

	Surrounding Regions through Markov Chain Modeling		Salem– 636016.		Monisha S Nandhini M Pradeepa A
6	A Study on Radioactive Decy of Carbon-14 and Iodine-131 using Difference Equations	27.03.2024	Sri Sarada College for Women (Autonomous), Salem– 636016.	Dr. R. Anbuviya	Prathakshana R Priyadharshini J Priyadharshini M Ranjani N Roopasri P Safrin Banu Z
7	Exploring the Role of Teak Trees in CO <sub>2</sub> Sequestration Using Difference Equations	27.03.2024	Sri Sarada College for Women (Autonomous), Salem– 636016.	Dr. V. Vijaya Bharathi	Sandhini V Sandhiya J Sivaranjani V Sowmiya G Sreya G V Sridevi R Subha R
8	Optimizing Silk Production: Strategies for Maximizing Yield and Forecasting	27.03.2024	Sri Sarada College for Women (Autonomous), Salem– 636016.	Dr. J. Tamilmani	Swarnalatha A Teena S Thabiba Thabasum A Thanmayashri P T Uma L Vanmathi V Varshne S M
9	Sustainability in Agriculture through Mathematical Optimization	27.03.2024	Sri Sarada College for Women (Autonomous), Salem– 636016.	Dr. P. Saranya	Vasuki R Vinisha M Bhuvaneshwari M Gomathi Jothi K Kiruthika K Santhiya S

#### ADC Project (IKS Related)

S.No	Title of the Project	Date(s)	Place	Supervisor	Name of the Students
1	Vedic Math Mastery: Unleashing the Power of Ancient Sutras in Modern Applications	15.04.2024	Sri Sarada College for Women (Autonomous), Salem– 636016.	Dr. B. Amudhambigai	Haasini J. A Uma L Dharshini S Gopika V Yogavaishnavi N

					Krishnaveni S Kaviyarasi R Mahalakshmi V Dharshini B Sowmiya C
2	Some Applications of Vedic Algebra Using Simultaneous Linear Equations	15.04.2024	Sri Sarada College for Women (Autonomous), Salem– 636016.	Dr. R. Anbuviethya	Pusphalatha A Nikitha S Rathi Divya V Mohana Priya S Jayalakshmi R.C Subiksha M. Pavithra M. Malathi S. Lena K.S Loshika S
3	Vedic Mathematics in Competitive Examinations: Exploring Strategies for Success	15.04.2024	Sri Sarada College for Women (Autonomous), Salem– 636016.	Dr. V. Vijaya Bharathi	Gomathi S Varshne S.M Nethasini R Abi S Ifrath Fathima S Lakshana K Sunmathi B Dharshini G Sindhu G.E Sahana E
4	Bridging Ancient Wisdom with Modern Astronomy through Vedic Mathematics	15.04.2024	Sri Sarada College for Women (Autonomous), Salem– 636016.	Dr. P. Saranya	Dharshini S Subha R Karthiga S Sreya G.V Subhashini R Saranya G Kowsalya C Soundarya Lakshmi B Priyanka R Priyadharshini T

## Society Connect Activity

Date	Class	Topic & Place	No. of Beneficiaries	Geo Tagged Photo
15.09.2023	I B.Sc., Mathematics	Assessment of the Level of Awareness on Government Schemes and Digital Applications	50	
26.08.2023	II B.Sc., Mathematics	Review on Usage of Government Schemes and Digital Application	100	
22.07.2023	III B.Sc., Mathematics	Awareness on Government Schemes and Digital Applications	60	
20.01.2024	I M.Sc., Mathematics	Awareness on Opportunities of Digital Literacy	50	
20.01.2024	II M.Sc., Mathematics	Awareness on Online Safety: Protecting Ourselves in the Digital Realm	50	

## Society Connect Projects

Sl. No.	Number of Students	Title of the Project	Guide Name
1.	10	Prevention of Communicable Diseases: A Mathematical Approach	Dr. V. Vijaya Bharathi

## Swayam NPTEL Course Completion (Both Staff & Students)

S. No.	MOOC Provider (NPTEL/SWAYAM)	Name of the Staff/ Student	Title of the Course	Score in (%)	Month & Year of Passing
1.	NPTEL	S. Poorvesha	Calculus of One Real Variable	43%	Sep 2023
2.	NPTEL	S.M. Varshne	Countering Stage Fright	88%	Sep 2023
3.	NPTEL	S.M. Varshne	Developing Soft Skills and Personality	85%	Sep 2023
4.	NPTEL	S. Poorvesha	Basic Linear Algebra	50%	Mar 2024
5.	NPTEL	G. Kiruthika	Basic Linear Algebra	45%	Mar 2024
6.	NPTEL	S. Shivashaylini	Basic Linear Algebra	48%	Mar 2024
7.	NPTEL	M. Sankari	Basic Linear Algebra	42%	Mar 2024
8.	NPTEL	G.V. Thanyatha	Basic Linear Algebra	42%	Mar 2024

## STUDENTS' ACHIEVEMENTS

### Placement

S. No.	Name of the Student & Class	Company	Designation	Salary	ON Campus / OFF Campus
1.	Subha R III B.Sc	Senthil Public School	Maths Teacher	₹ 20,000 p.m.	ON Campus

2.	Bavya P III B.Sc	Senthil Public School	Maths Teacher	₹ 20,000 p.m.	ON Campus
3.	Varshne S M III B.Sc	Senthil Public School	Maths Teacher	₹ 20,000 p.m.	ON Campus
4.	Bavya P III B.Sc	Vee Technologies	AR Caller	₹ 12,000 p.m.	ON Campus
5.	Varshne S M III B.Sc	Vee Technologies	AR Caller	₹ 12,000 p.m.	ON Campus

### Paper Presentations

S. No.	Name & Class	Date	Title of the Seminar/Conference/Symposium & Host Institution	Title of the Paper
1.	V. Jayasri II M.Sc	11.03.2024 to 14.03.2024	CSIR Sponsored Four-day National Level Seminar on “The Power of STEM: Solutions for a sustainable Future” organized by the PG & Research Department of Mathematics, Chemistry, Computer Science & Department of Botany, Sri Sarada College for Women (Autonomous), Salem-16	Age-Related Covid-19 Exposure to Diabetes Using Fuzzy Linear Regression
2.	G. Kanchanapriya II M.Sc			A Study on Traffic Light Control at Crossroad Using Graph Theory with Lindo
3	S. Shakthi Shalini II M.Sc			Exploring the Fuzzy Delphi Method for Enhanced Juice Production
4	S Bavashree II M.Sc			Optimization Of Loom Cottage Business Operations Using Fuzzy Number Linear Programming Techniques
5	R. Harini II M.Sc			New Generalized Closed Sets in Ideal Nano topological Spaces
6	R. Keerthana II M.Sc			Some Nano Topological Structures via Ideals
7	M. K. Sharmitha II M.Sc			A Study on Fuzzy Techniques for the Cost-Effective Milk Transportation in Supply Chains
8	M.S.Sneka II M.Sc			Active Learning in Mathematic for STEM: Real-Life Engineering Applications
9	G.Tamilselvi II M.Sc			
10	R.Preetha II M.Sc			

11	K. Keerthana II M.Sc			Optimizing Fuzzy Sequencing Problems Through Generalized Fuzzy Numbers
12	C. R. Kavitha II M.Sc			Trapezoidal Fuzzy Approach to Queuing Analysis

### Conferences/ Seminar/ Webinar Attended

Sl. No.	Name & Class	Date/ Duration	Title of the Programme	Host Institution & Sponsored by
1.	R. Keerthana II M.Sc	22.02.2024	One Day National Level Seminar on Application of Graph Parameters in Real World Problems	Department of Mathematics, Salem Sowdeswari College (For Women), Salem - 10
2.	R. Yashika II M.Sc			
3.	C.R. Kavitha II M.Sc			
4.	A. Fathima II M.Sc			
5.	S. Gomathi I M.Sc			
6.	T. Elavarasi I M.Sc			
7.	P. Kavitha I M.Sc			

### Any Other (Prizes/ Awards won by the students)

S. No.	Name & Class	Prize (I / II)	Event	Level
1	R. Akila II B.Sc	III	Bharathiyar Vizla-Tamil Katturai	College Level
2	R. Akila II B.Sc	I	Kalainar Noorandu Vizha-Tamil Katturai	College Level
3	G. Dharani Priya II B.Sc	I	Bharathiyar Vizla-Tamil Poetry	College Level
4	K.Shanmuga Priya II B.Sc	I	General Quiz	College Level
5	G. Kiruthika I B.Sc	III	Talent Examination conducted by Shakespeare Publications	College Level
6	S. Kaviyapriya I M.Sc	III	PHIOMATH-2K24 -Math Grilling	State Level
7	S. Vijayalakshmi I M.Sc	III	PHIOMATH-2K24 -Math Grilling	State Level

8	R. Poovitha II M.Sc	I	Disc Throw	College Level
		I	Javelin Throw	College Level
		II	Shotput	College Level
		III	Throw Ball	College Level
		IV	Volley Ball	College Level
9	R. Harini II M.Sc	IV	Volley Ball	College Level
10	R. Yashika II M.Sc	IV	Volley Ball	College Level
11	V. Jayasri II M.Sc	IV	Volley Ball	College Level
12	M. Raveena II M.Sc	III	Throw Ball	College Level
13	A. Fathima II M.Sc	I	Ball Badminton	College Level
14	M. S. Sneka II M.Sc	II	Shuttle	College Level
		I	General Quiz Competition	College Level
15	R. Preetha II M.Sc	II	Entrepreneurship, innovation and startup Quiz	College Level
16	S. Gomathi I M.Sc	III	Magalir Nalanil Kalaingar	College Level
17	G. Ushanandhini I M.Sc	I	Read the books and raise the life	College Level
18	R. Mahalakshmi I M.Sc	I	Ball Badminton	College Level
		III	400 X 200m Relay	College Level
		IV	Volley Ball	College Level
		IV	Kho Kho	College Level
19	C.Tamilselvi I M.Sc	IV	Volley Ball	College Level
20	S. Sivaradhai I M.Sc	I	Chess	College Level
21	B. Sowmiya C. I M.Sc	I	Chess	College Level
22	S. Bhuvaneswari I M.Sc	III	Throw Ball	College Level

#### Scholarship Details from Association/NGO

S. No.	Name & Class	Organisation	Amount in Rs.
1.	G. Kiruthika I B.Sc	LIC – Golden Jubilee Foundation	12000
2.	G. Kiruthika I B.Sc	Reliance Foundation	50000
3.	M. Gopika I B.Sc	Labour Welfare Association	1500

4.	V. Mahashree II B.Sc	Construction Workers Welfare Association	4000
5.	J. A. Haasini III B.Sc	Workers Welfare Association	4000
6.	G. Keerthana I M.Sc	Labour Welfare Association	5500

### National Scholarship

S. No.	Name & Class	Organisation	Amount in Rs.
1	S. K. Eswari III B.Sc	National Scholarship	12000
2	S. Kaviya III B.Sc	National Scholarship	12000
3	R. Nithisri III B.Sc	National Scholarship	12000
4	M. K. Sharmitha II M.Sc	National Scholarship	20000
5	C.R. Kavitha II M.Sc	National Scholarship	5000

### Details of Cash Prizes from Endowment Fund

S. No.	Name & Class	Fund Name	Amount in Rs.
1	V. Poorvaja I B.Sc	Smt. Seethalakshmi Ammal Endowment Fund	2750
2	G. Divyabharathi I B.Sc	Mr. G. R. Deenadayalan Endowment Fund	5550
3	R. Harini I B.Sc		5500
4	S. Sathyapriya I B.Sc	Mr. A.R. Santhagopalan AVR Kumbakonam Silver Shop Jewellers	2750
7	K. Nandhini II B.Sc	Dr. M. .Kuppayee, Retd H.O.D of Physics, Sri Sarada College for Women (Autonomous), Salem-16	550
8	B. Kaviya II B.Sc		550
9	Nisha II B.Sc	Smt. U.K Mohini Nayak Library work Fund	1802
10	S. Shamyutha II B.Sc	C. R. Sampath & Alamelu Sampath Memorial Endowment Fund	1835
11	P. Bavya III B.Sc	Poor Students Prize Fund	440
12	P. Roopasri III B.Sc	Sri V. P. Kandasamy & Mrs. Nagamani Endowment Fund	2200

13	J. Sandhiya III B.Sc	Tmt. Nagammal Perumal Reddy Endowment Fund	1100
14	G. V. Sreya III B.Sc	2008-2009 Outgone Students Endowment Fund	1047
15	R. Sridevi III B.Sc	Sri S. S. Mehta Foundation, Salem	10000
16	S. K. Eswari III B.Sc		10000
17	S. M. Varshne III B.Sc	2013-2014 Outgone Students Endowment Fund	9533
18	M. Vinisha III B.Sc	Sri M. A. Palaniappachettiar Poor Student Fund	2700
19	V. Vanmathi III B.Sc	Dr. U.K. SudhaNayak Endowment Fund	1802
20	M. Gomathi III B.Sc		1802
21	G. Ushanandhini I M.Sc	Smt. Mangaiammal Endowment Fund	2187
22	R. Keerthana II M.Sc	2007-2008 Outgone Students Endowment Fund	2750
23	B.Taj II M.Sc	Smt. Maragatham Chandrasekar Endowment Fund	2200
24	R. Poovitha II M.Sc	Sri V. P. Kandasamy & Mrs. Nagamani Endowment Fund	2200
25	M. Divya Ph.D	Srinivasa Ramanujam Endowment Fund	9625

### Co-Curricular Activities (NSS / NCC / RRC / YRC / CCC/ IIC)

Class	No. of Students					
	NSS	NCC	RRC	YRC	CCC	IIC
<b>I Year</b>	17	02	-	11	10	24
<b>II Year</b>	14	4	5	5	6	25
<b>III Year</b>	10	2	5	5	10	22

### COURSES OFFERED BY THE DEPARTMENT TO OTHER MAJOR STUDENTS

#### 1. Advanced Diploma Course (IKS Related)

<b>I Year : Certificate Course Name : Vedic Mathematics I</b>						
<b>Strength : 39</b>						
<b>History</b>	<b>Economics</b>	<b>English</b>	<b>Mathematics</b>	<b>Statistics</b>	<b>Physics</b>	<b>Chemistry</b>
-	1	4	23	3	-	-
<b>Botany</b>	<b>Zoology</b>	<b>Home Sci.</b>	<b>Commerce</b>	<b>Computer Science</b>	<b>Tamil</b>	
-	-	-	6	2	-	

<b>II Year : Diploma Course Name : Vedic Mathematics II</b>						
<b>Strength : 45</b>						
History	Economics	English	Mathematics	Statistics	Physics	Chemistry
5	2	6	5	3	4	1
Botany	Zoology	Home Sci.	Commerce	Computer Science		
2	-	1	11	5		
<b>III Year : Advanced Diploma Course Name : Vedic Mathematics III</b>						
<b>Strength : 41</b>						
History	Economics	English	Mathematics	Statistics	Physics	Chemistry
-	5	5	9	4	1	1
Botany	Zoology	Home Sci.	Commerce	Computer Science		
1	-	2	10	3		

## 2. Skill Enhancement Course

<b>SEC-I (NME) : Mathematics for Competitive Examinations (I - Semester)</b>						
<b>Strength : 34</b>						
History	Economics	English	Mathematics	Statistics	Physics	Chemistry
6	5	4	-	1	2	4
Botany	Zoology	Home Sci.	Commerce	Computer Science	Tamil	
1	-	-	8	3	-	
<b>SEC-II (NME) : Quantitative Aptitude for Competitive Examinations (II - Semester)</b>						
<b>Strength : 35</b>						
History	Economics	English	Mathematics	Statistics	Physics	Chemistry
6	-	1	-	3	5	4
Botany	Zoology	Home Sci.	Commerce	Computer Science	Tamil	
3	2	3	5	3	-	

<b>Non-Major Elective - I: Basic Mathematics (III - Semester)</b>						
<b>Strength : 26</b>						
History	Economics	English	Mathematics	Statistics	Physics	Chemistry
1	-	4	-	2	3	4
Botany	Zoology	Home Sci.	Commerce	Computer Science	Tamil	
2	-	-	8	2	-	

Non-Major Elective - II: Mathematics for Competitive Examinations (IV - Semester) Strength : 20						
History	Economics	English	Mathematics	Statistics	Physics	Chemistry
-	-	-	-	2	-	3
Botany	Zoology	Home Sci.	Commerce	Computer Science	Tamil	
-	3	-	10	2	-	

### 3. Non-Major Skill Based

UG : Non-Major Skill Based - I : Industrial Mathematics with R Programming-Practical (V - Semester) Strength: 37					
History	Economics	English	Mathematics	Statistics	Physics
2	-	7	-	3	2
Chemistry	Botany	Zoology	Home Science	Commerce	Computer Science
4	-	5	-	10	4

UG : Non-Major Skill Based - II : Mathematical Modeling with R Programming-Practical (VI - Semester) Strength: 34					
History	Economics	English	Mathematics	Statistics	Physics
6	-	6	-	3	3
Chemistry	Botany	Zoology	Home Science	Commerce	Computer Science
2	-	1	-	9	4

### 4. Extra Disciplinary Course

PG : Extra Disciplinary Course : Game Theory and Strategy (II- Semester) Strength: 14					
History	Economics	Tamil	English	Mathematics	Physics
-	2	2	4	-	2
Chemistry	Commerce	Computer Science			
4	-	-			

PG : Extra Disciplinary Course : Quantitative Aptitude for Competitive Examinations (III- Semester) Strength: 16					
History	Economics	Tamil	English	Mathematics	Physics
-	-		6	-	6
Chemistry	Commerce	Computer Science			
4	-	-			

## Group Photos

### III - B. Sc Mathematics



### II - M. Sc Mathematics



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