STAT NEWS

Department of STATISTICS

Sri Sarada College for Women (Autonomous)

Re-accredited with 'B++' Grade by NAAC
(Affiliated to Periyar University)
Salem - 636016.

Volume XX | **NEWSLETTER** (For private circulation only) | **April 2026**

Dear Readers,

With the blessings of the Holy Trinity Sri Ramakrishna Paramahamsa, Sri Sarada Devi and Swami Vivekananda, we are happy to bring out the twentieth volume of the Newsletter StatNews. We submit this volume at the lotus feet of our Founder President Srimath Swami Chidbhavananda and our Founder Directress Yatiswari Saradapriya Amba.

Our humble pranams are due to our revered Directress Yatiswari Vinayakapriya Amba and our revered Secretary Yatiswari Guhapriya Amba for their blessings and benevolence. We are immensely grateful to Dr. S. S. Gomathi, M.Sc., M.Phil., PhD., Principal for her continuous encouragement and meticulous guidance in all our academic endeavors. We are sincerely thankful to Dr. G. Vasuki, M.Sc., B.Ed., M.Phil., Ph.D., Controller of Examinations for the support rendered to us.

This volume brings the meritorious record of activities and achievements of the students and the faculty members of the Department of Statistics during the academic year 2025-2026.

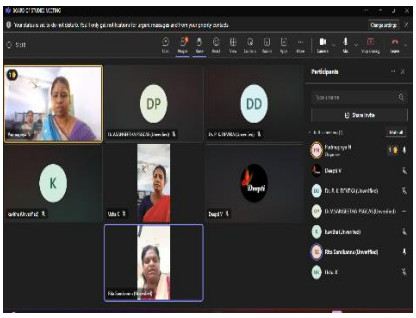
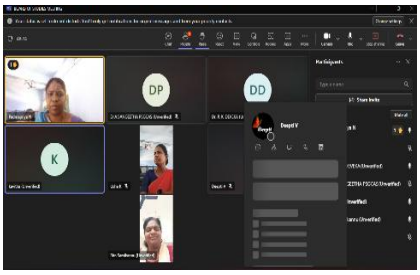
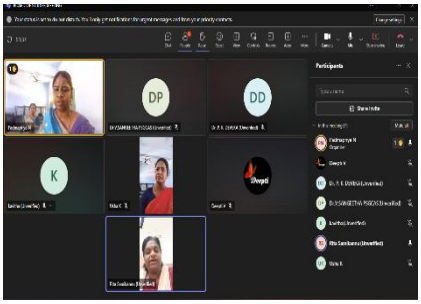
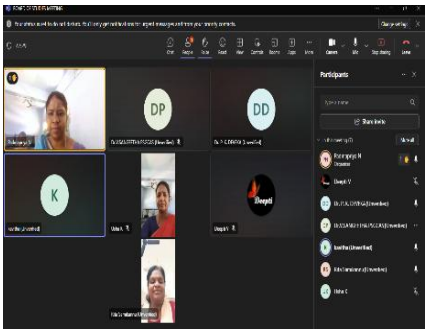
- Editorial Board

CURRICULUM ENRICHMENT

Board of Studies Meeting

Date: 30.10.2025

Members:

<table>
<tr><th>Chairman</th><th>Subject Expert 1</th><th>Subject Expert 2</th><th>Geo Tagged Photos</th></tr>
<tr><td>Mrs. N. Padmapriya Assistant Professor of Statistics, Sri Sarada College for Women (Autonomous), Salem - 16.</td><td>Dr. S. Rita, Associate Professor and Head (i/c), Department of Statistics, Periyar University, Salem – 11</td><td>Dr. V. Sangeetha, Assistant Professor, Department of Statistics, PSG College of Arts & Science, Coimbatore – 14.</td><td rowspan="5"> 
 
 
  </td></tr>
<tr><th>University Nominee</th><th>Industrialist</th><th>UG Alumnus</th></tr>
<tr><td>Dr. P. K. Deveka, Associate Professor, PG & Research Department of Statistics, Government Arts College, Coimbatore – 18.</td><td>Mr. R. Babu (Industrial Person) Senior Statistical Officer, National Sample Survey Officer, Government of India, Salem.</td><td>Ms. N. Kavitha Block Statistical Inspector, Ayothiyapattanam, Divisional Assistant Director of Statistics, District Collectorate, Salem.</td></tr>
<tr><th>Student Member (UG)</th><td colspan="2">Ms. V. Deepti (III – B.Sc. Statistics)</td></tr>
<tr><td colspan="3">& Other Faculty Members of the Department</td></tr>
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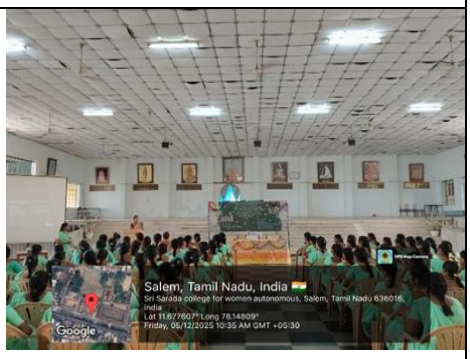
Courses Modified with Percentage:

Semester	Name of the Course	Percentage of Modification	Year of Implementation
VI	Design of Experiments	100	2025 - 2026
VI	Demography	100	2025 - 2026
VI	Design of experiments and Demography using Python – Practical	100	2025 - 2026
VI	Statistical Quality Control	100	2025 - 2026
VI	Index Numbers	100	2025 - 2026
VI	Introduction to R Language – Practical	100	2025 - 2026

Internal Academic Audit

Date	Internal Audit Members	Geo Tagged Photo
15.12.2025	Dr. M. Kanimozhi Assistant Professor of Home Science, Sri Sarada College for Women (Autonomous), Salem – 16.	
	Dr. R. Saritha Assistant Professor of English, Sri Sarada College for Women (Autonomous), Salem – 16.	

FDP / Webinars/ Seminars/ Conferences/ Symposium Organized

Sl. No.	Date	Title of the Programme	Topic & Name(s) of the Guest Speaker(s)	No. of Beneficiaries	Level	Geo Tagged Photo
1.	05.12.2025	"Bridging Ancient Wisdom and Modern Intelligence – A Statistical Exploration of IKS through AI"	A Statistical Exploration of IKS through AI - Dr. T. Kavitha, Assistant Professor, PG & Research Department of Statistics, Salem Sowdeswari College	96	College level	

PUBLICATIONS

Publication in Conference Proceedings:

Sl. No.	Name	Name of the Conference & Title of the Paper	Publisher	Page No. & ISBN
		FACULTY		
1.	Dr. V. Nirmala	Data-Driven Optimisation of Organic Farming Practices for Sustainable Development Using Statistical Design of Experiments.	Sakthi Pathippagam	Page No. 5 & ISBN: 978-93-81899-30-4

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
FACULTY						
1.	Dr. V. Nirmala Dr. R. Reka	Journal of Statistics & Management Systems	Statistical analysis in AI and IoT integration for real-time quality control in industry 4.0	ISSN 0972-0510 2026	1.225	WoS and UGC Care List

PARTICIPATION

Paper Presentations:

Sl. No.	Name of the Faculty	Date	Title of the Seminar/Conference/ Symposium & Host Institution	Title of the Paper
FACULTY				
1.	Dr. V. Nirmala	22.01.2026 & 23.01.2026	International Conference on Statistical Innovation for Sustainable Development	Data-Driven Optimisation of Organic Farming Practices for Sustainable Development Using Statistical Design of Experiments.
		13.03.2026	National conference on Advances in Probability and Applied Statistics	Integrating Ancient Wisdom with Modern Data Science for A Statistics Evaluation of Yoga's Health Benefits.

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

Sl. No.	Name of the Faculty	Date/ Duration	Title of the Programme	Host Institution & Sponsored by
FACULTY				
1.	Mrs. N. Padmapriya	18.08.2025 – 31.08.2025	Two-week Interdisciplinary Refresher Course on "Application of AI in Science, Technology, Engineering, Mathematics and Business (STEMB)"	Malaviya Mission Teacher Training Programme (MMTTC), Assam University, Silchar.
		22.12.2025 – 27.12.2025	Seven Days Faculty Development Programme on Innovation in Pure Mathematics and their Pedagogical Implications	V.O. Chidambaram College Thoothukudi, Tamil Nadu.
2.	Dr. V. Nirmala	Aug-Oct 2025	Eight Weeks Faculty Development Programme on Descriptive Statistics with R Software	NPTEL – AICTE (Funded by the MoE, Govt. of India)
		25.07.2025	One-Day Workshop on Research Proposal Writing	Periyar University& Organised by IQAC.
3.	Dr. K. Usha	09.062025 – 05.07.2025	Four-week Faculty Development Programme	Malaviya Mission Teacher Training Centre (MMTTC), University of Madras & UGC Sponsored.
		05.01.2026 – 11.01.2026	Seven Days International Faculty Development Programme on "Tech Next:	Vivekanandha College for Arts and Sciences for Women,

			Empowering and Advanced Future Skills for Faculty in the Age of AI"	Periyar University & Organized by IQAC.
4.	Dr. R. Reka	22.10.2025 – 18.11.2025	Four Weeks Faculty Development Programme	Malaviya Mission Teacher Training Center (MMTTC), University of Madras & UGC Sponsored.
		12.02.2026 – 18.02.22026	Seven Days International Faculty Development Programme on "Exploring Emerging Trends and Future Directions of Pure and Applied Mathematics ".	PSGR Krishnammal College for Women (Autonomous), Coimbatore.

ACTIVITIES FOR STUDENTS' SUPPORT AND PROGRESSION

Students' Induction Programme: Department Orientation

Date	Topics Covered	No. of Beneficiaries	Geo Tagged Photos
02.07.2025	Basic Statistical Concepts	33	

Bridge Course

Date & Duration	Class	Concepts Covered	No. of Beneficiaries	Geo Tagged Photos
03.07.2025	I – B.Sc. Statiatics	Basic Statistical Concepts	33	

Mentor/Mentee Support

Name of the Mentor	Class	No. of Mentees	Counseling Dates	Geo Tagged Photos
Dr. C. Mohana	I B. Sc. Statistics	16	03.07.2025	
Dr. Latha Sreedhar	I B. Sc. Statistics	16	11.07.2025	
Mrs. N. Padmapriya	I B. Sc. Statistics & II B. Sc. Statistics	20	14.08.2025 25.08.2026 12.09.2025 22.09.2026	
Dr. K. Usha	I B. Sc. Statistics & II B. Sc. Statistics	18	10.10.2025 22.10.2025 25.11.2025 03.12.2025	
Dr. V. Nirmala	III B. Sc. Statistics	17	19.12.2025 09.01.2026	
Dr. R Reka	III B. Sc. Statistics	18	22.01.2026 03.02.2026 19.02.2026 17.03.2026 24.03.2026	

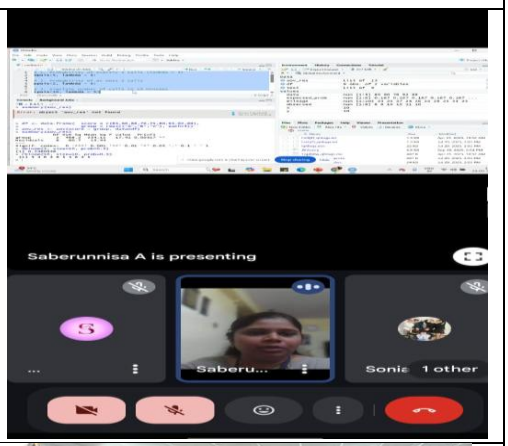
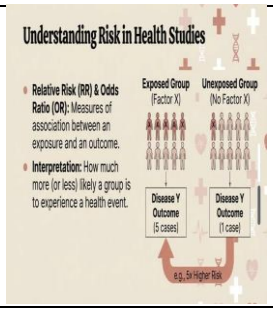
Remedial Coaching

Class	Dates	Subject	No. of Beneficiaries	Geo Tagged Photos
I B. Sc. Statistics	25.02.2026 04.03.2026	Distribution Theory	16	
	27.02.2026 06.03.2026	Matrix and linear Algebra	18	
II B. Sc. Statistics	25.02.2026 04.03.2026	Testing of Hypothesis	4	
	26.02.2026 05.03.2026	Actuarial Statistics	6	
	27.02.2026 06.03.2026	Economics and Official Statistics	9	
III B. Sc. Statistics	23.02.2026 02.03.2026	Design of Experiments	5	
	26.02.2026 05.03.2026	Demography	10	
	24.02.2026 03.03.2026	Statistical Quality Control	7	
	25.03.2026 04.03.2026	Index Numbers	3	

Association and its Office Bearers

Name of the Association	Vice President	Secretary Name & Class
Statistics Association	Dr. R. Reka	Ms. V. Deepti III - B.Sc. Statistics

Association Activities : Statistics Association

Sl. No.	Date	Event	Resource Person & Title	No. of Beneficiaries	Geo Tagged Photo
1.	10.09.2025	Guest Lecture	Mr. Krishnaraj Palaniselvaraj - "Data-Driven Storytelling: Leveraging AI and Statistics for Impact Communication"	53	
2.	29.09.2025	Webinar	Dr. A. Saberunnisa - "Harnessing R: Statistical Techniques for Data-Driven Entrepreneurship"	93	
3.	25.02.2026	Hands on Session	Dr. N.B. Arunekumar - "Python Essentials: From Basic to Application"	30	
4.	25.02.2026	Webinar	Dr. K.S. Parvatha Varshini - "Statistics that Save Lives: An Introduction to Biostatistics"	87	

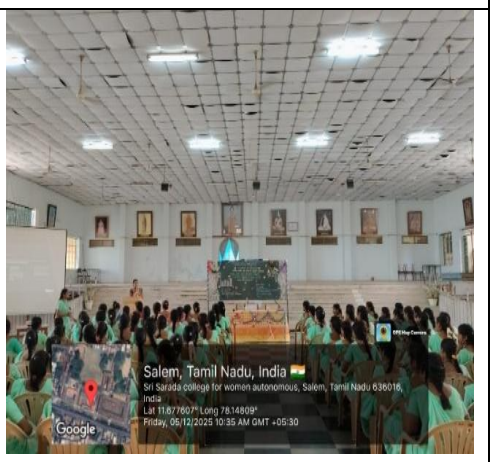
Alumnae Sharing Expertise Programme on International Women's Day:

SI. No.	Distinguished Alumnae – Name and Designation	Topic	No. of Beneficiaries	Geo Tagged Photo
1.	Dr. S. Uma Dean, Assistant Professor and Head Department of Statistics & Mathematics Padmavani Arts and Science College for Women (Autonomous), Salem-11	Foot To Your Root - 2026	94	

Workshops Attended by our Students organized by IQAC

SI. No.	Date	Class	Topic	Resource Person(s)	No. of Beneficiaries
1.	04.08.2025	I B.Sc. Statistics	Foundation Skills	Dr. R. Renuga Devi & Dr. A. Revathi	33
2.	05.08.2025	II B.Sc. Statistics	Conversation Skills	Dr. S. Maheshwari & Mrs. S. Lavanya	23
3.	07.08.2025	III B. Sc. Statistics	Public Speaking	Mrs. M. P. Rajeshwari & Dr. S. Esther Juliet Sujatha	30
4.	12.08.2025	I B.Sc. Statistics	Language Skills Development Workshop	Faculty members of Tamil Department	32

UG Students' Seminar

Date	Topic	Resource Person	No. of Papers Presented	No. of Beneficiaries	Geo tagged Photo
			UG		
05.12.2025	"Bridging Ancient Wisdom and Modern Intelligence – A Statistical Exploration of IKS through AI"	Dr. T. Kavitha, Assistant Professor, PG & Research Department of Statistics, Salem Sowdeswari College	17	96	

General Students' Seminar

Date	Topic	Name of the Student	Class	Title of the Paper	Geo tagged Photo
30.09.2025	Balancing Mind and Ambition: A Pathway to Holistic Students' Success	V. Deepti	III B.Sc. Statistics	Techniques for Managing Academic Stress	

Internship Programme

SI. No.	Name of the Organization	Number of Students	From – to – Dates	Place
1.	Skillchemy	31	08.05.2025 – 26.05.2025	Gandhi Road, Salem
2.	SAIL Salem Steel Plant	3	15.05.2025- 29.05.2025	Salem Steel Plant, Salem

II UG Group Project

SI.No.	Title of the Project	Date(s)	Place	Supervisor	Name of the Students
1.	Population Growth and its Impact on Sustainable Development: A Statistical Analysis	February 2026	Sri Sarada College for Women (Autonomous) Salem-16	Mrs. N. Padmapriya	P. Indhumathi S. Madhumisha S. Poornitha A. Sheela J. Sakthi N. Kowsalya R. Lakshmi Priya M. Vidhuladevi M. Lathika S. Priya Dharshini

III Group Project

Sl. No.	Title of the Project	Date(s)	Place	Supervisor	Name of the Students
1.	Statistical And Stochastic Analysis of Air Quality Index (AQI) And Its Relationship with Environmental Pollutants and Meteorological Factors in Salem District	October 2025	Sri Sarada College for Women (Autonomous) Salem-16	Mrs N. Padmapriya	Abinaya A Ainul Marziya M Anitha G Archana B Arthi N Dhanusha A Divyabharathi S Gayathiri A
2.	Integrating Indian Knowledge System in Yoga Practices Through Statistical Modeling with R Coding	October 2025	Sri Sarada College for Women (Autonomous) Salem-16	Dr. V. Nirmala	Gomathi R Hemavathi G Janani S Kalpanashree V Midhuna Jothi M R Narmadhaa Devi R Naveenasri B Nithya R
3.	A Study on Vital Statistics and Demographic Indicators of Tamil Nadu	October 2025	Sri Sarada College for Women (Autonomous) Salem-16	Dr. K. Usha	Pavithra M Poovizhi C R Prema S Sandhiya M Soundarya C Suganya S Anishya R Deepti V Elakkiya P

4.	Healthcare And Medicine in Traditional Verse Modern Technology	October 2025	Sri Sarada College for Women (Autonomous) Salme-16	Dr. R. Reka	Megala M Sonia S Devika M Lekha S Ponmozhiselvi P Poornima S Priyadharshini P Santhiya P Sujitha M

ADC Group Project

Sl. No.	Title of the Project	Date(s)	Place	Supervisor	Name of the Students
1.	Migration pattern and population growth in India	March 2026	Sri Sarada College for Women (Autonomous) Salem-16	Mrs. N. Padmapriya	S. Mohana C. Pooja S. Harshhni K. Oviya Shree E. Soundharya V. Pradeesha S. Oviyaa S.P. Kanika
2	Long – Term Forecasting of Gold using Regression Analysis	March 2026	Sri Sarada College for Women (Autonomous) Salem-16	Dr. V. Nirmala	K. Dharanisri R. Kanishka G. Jayabharathi R. Madhumitha S. Jayashree S. Anusnya D. Jeevitha P. Kaviya S. Bhuvaneshwari
3	Statistical Assessment of Soil Productivity and Water Resources in Salem District	March 2026	Sri Sarada College for Women (Autonomous) Salem-16	Dr. V. Nirmala	G. Divyabharathi S. Janani S. Poomieshasri S. Shivashaylini G.V. Thanyatha J. Prithikasri G. Vajitha K.R.R. Mathimalar K. Priyadharshini
4	Impact of Advertising on Sales Performance	March 2026	Sri Sarada College for Women (Autonomous) Salem-16	Dr. K. Usha	S. Gomathi J Jaisri V. Punitha J. Ranjini G. Reetha

					P. Subathira B. Shabana A. Sumaiya Banu M. Vishva Janani
5	Online Shopping Behaviour and Preferences in E-Commerce Platforms	March 2026	ri Sarada College for Women (Autonomous) Salem-16	Dr. R. Reka	S. Dhanushya M. Gayathri S. Gowri K. Harshini M. Indirani K. Kaviya R. Kiruthika V. Tejaswini

Society Connect Activity/Extension Activity

Date	Class & Strength	Topic & Place	No. of Beneficiaries	Geo Tagged Photo
Extension Activity				
31.01.2026	35	Awareness on Community Empowerment for Social Wellbeing in Mallamoopampatti	110	
Society Connect Activity				
30.08.2025	32	Awareness on Prevalence and Risk Factors of Lifestyle Disease in Mallamoopampatti	115	
27.09.2025	37	Awareness on Rural Skill Development: Tailoring, Handicrafts and Small-Scale Entrepreneurship in Mallamoopampatti	100	

Swayam NPTEL Course Completion (Both Staff & Students)

Sl. No.	MOOC Provider (NPTEL /SWAYAM)	Name of the Staff / Student	Title of the Course	Score in (%)	Month & Year of Passing
1.	NPTEL	Dr. V. Nirmala	Descriptive Statistics with R Software	70%	Aug-Oct 2025
			Statistical Methods for Psychological Research – II	83%	Nov-Dec 2025
			Business Statistics	86%	
2.	NPTEL	M. Megala	Developing Soft Skills and Personality	76%	Aug-Oct 2025
3.	NPTEL	S. Sonia	Developing Soft Skills and Personality	70%	Aug-Oct 2025

STUDENTS' ACHIEVEMENTS

Any Other (Prizes/ Awards won by the students)

Sl. No.	Name of the Student	Prize (I / II)	Event	Level
1.	K. Ranjitha	II	Shuttle	College level
2.	H. Preethi	I	Fun Game	College level
		I	Disc Throw	College level
3.	S. Priya Dharshini	I	Chess	College level
4.	S. Harini	III	Ball Badminton	College level
		II	Volley Ball	College level
5.	M. Megala	I	Chess	College level
6.	M.R. Midhuna Jothi	I	Chess	College level
7.	V. Deepti	II	Shuttle	College level
8.	R. Gomathi	II	Volley Ball	College level
		I	Throw Ball	College level
		III	Ball Badminton	College level

NGO Scholarship

Sl. No.	Name of the Student	Class	Name of the Organisation	Amount (Rs.) per year
1.	M.R. Midhuna Jothi	III B.Sc. Statistics	Agila India Devangar Samuga Sangam	3000

Tamil Nadu Government Free Laptop Scheme

Sl. No.	Date	Class	No.of Beneficiaries	Photo
1	28.01.2026	UG Final Year	34	
2	13.02.2026	UG Pre Final Year	29	

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

Class	No. of Students					
	NSS	NCC	RRC	YRC	CCC	IIC
I Year	13	-	-	7	5	8
II Year	13	-	-	-	10	-
III Year	13	1	-	19	-	21

COURSES OFFERED BY THE DEPARTMENT TO OTHER MAJOR STUDENTS

1. **Advanced Diploma Course**

Name of the Course: Statistical Methods

Number of Students Attended the Course:

I UG: Certificate Course Name : Statistical Methods - I					**Strength : 43**	
History	Economics	English	Mathematics	Statistics	Physics	Chemistry
4	7	5	4	-	2	1
Botany	Zoology	Home Sci.	Commerce	Computer Science		
4	-	-	13	3		
II UG : Diploma Course Name : Statistical Methods – II					**Strength : 39**	
History	Economics	English	Mathematics	Statistics	Physics	Chemistry
1	6	4	6	-	2	-
Botany	Zoology	Home Sci.	Commerce	Computer Science		
-	-	-	15	5		
III UG : Advance Diploma Course Name : Applied Statistics					**Strength : 48**	
History	Economics	English	Mathematics	Statistics	Physics	Chemistry
4	7	6	5	-	4	-
Botany	Zoology	Home Sci.	Commerce	Computer Science		
-	-	-	20	2		

2. **Non-Major Elective**

Number of Students Attended the Course:

Non-Major Elective - I: Basics of Statistics (I - Semester)					**Strength : 35**	
History	Economics	English	Mathematics	Statistics	Physics	Chemistry
4	6	4	5	-	1	3
Botany	Zoology	Home Sci.	Commerce	Computer Science		
2	-	-	9	3		

Non-Major Elective - II: Statistics in Ancient India (II - Semester)					**Strength : 34**	
History	Economics	English	Mathematics	Statistics	Physics	Chemistry
3	5	4	4	-	-	3
Botany	Zoology	Home Sci.	Commerce	Computer Science		
-	-	-	9	3		

HoD & Faculty Members

Mrs. N. Padmapriya
Dr. V. Nirmala
Dr. K. Usha
Dr. R. Reka

&

Student Representatives
V. Deepti
M.R. Midhuna Jothi
III B.Sc. Statistics