

## Programme Schedule

### Day – 1 (19.01.2026 - Monday)

09:00 a.m.	: Registration
10.00 a.m.	: Inaugural Function
10:30 a.m. – 11:15 a.m.	: Invited Talk – 1: ' <i>Clinical Text Analytics for TB Diagnosis using NLP &amp; DL Model</i> '
11:15 a.m. – 11: 45 a.m.	: Tea-Break
11:45 a.m. – 12: 45 p.m.	: Invited Talk – 1 Continued
12:45 p.m. – 02:00 p.m.	: Lunch Break
02:00 p.m. – 03:30 p.m.	: Invited Talk – 2: ' <i>AI-Augmented Techniques for Articulating Research</i> '
03:30 p.m.	: Closing Tea Time

### Day – 2 (20.01.2026 - Tuesday)

10:00 a.m. – 11:30 a.m.	: Invited Talk – 3: ' <i>On The Necessity of Invariance Testing in Research</i> '
11:30 a.m. – 12:00 Noon	: Tea-Break
12:00 Noon – 01:30 p.m.	: Invited Talk – 4: ' <i>Robust Variable Selection in Zero-inflated Regression</i> '
01:30 p.m. – 02:30 p.m.	: Lunch Break
02:30 p.m. – 03:00 p.m.	: Brainstorming Session
03:30 p.m. – 04:00 p.m.	: Valedictory Function
04:00 p.m.	: Wrap- Up Tea

### Organising Committee:

Chief Patron	: Rev. Dr. Pavulraj Michael SJ , Rector, SJC.
Patrons	: Rev. Dr. M. Arockiasamy Xavier SJ, Secretary, SJC. Rev. Dr. S. Mariadoss SJ, Principal, SJC. Dr. K. Angammal, Principal, TPGASC.
Conveners	: Dr. R. Vijayakumar, Head, Dept. of Statistics, SJC. Dr. H. Alexis Selvaraj, Head, Dept. of Statistics, TPGASC.
Organising Secretaries	: Dr. Lilly George, Assistant Professor, Dept. of Statistics, SJC. Dr. J. Glorypersial, Assistant Professor, Dept. of Statistics, SJC. Dr. T. Venkatesan, Assistant Professor, Dept. of Statistics, SJC. Dr. A. Philip Arokiadoss, Assistant Professor, Dept. of Statistics, SJC.
Organising Members	: Dr. S. Sasikala, Associate Professor, Dept. of Statistics, TPGASC. Dr. A. Kachi Mohideen, Associate Professor, Dept. of Statistics, TPGASC. Dr. B. Senthilkumar, Associate Professor, Dept. of Statistics, TPGASC. Dr. M. Balasubramanian, Associate Professor, Dept. of Statistics, TPGASC. Prof. M. Sathiyamurthy, Assistant Professor, Dept. of Statistics, TPGASC. Dr. S. Bhuvaneswari, Assistant Professor, Dept. of Statistics, TPGASC.

### Further Details Please Contact:

Dr. R. Vijayakumar (+91 99652 31664)  
Dr. H. Alexis Selvaraj (+91 94432 28432)

Dr. A. Philip Arokiadoss (+91 99442 98134)  
Dr. S. Sasikala (+91 80980 35811)

**GASMA – 2026**



## DEPARTMENT OF STATISTICS

### ST. JOSEPH'S COLLEGE (AUTONOMOUS)

Accredited at A++ Grade (Cycle IV) by NAAC, Special Heritage Status Awarded by UGC  
College with Potential for Excellence by UGC, DBT – STAR & DST – FIST Sponsored College  
25<sup>th</sup> Rank in NIRF 2025

TIRUCHIRAPPALLI – 620 002, TAMIL NADU, INDIA

&



## DEPARTMENT OF STATISTICS

### THATHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Reaccredited by NAAC with B++ Grade (Cycle IV)

TIRUCHIRAPPALLI – 620 023, TAMIL NADU, INDIA

Jointly organise

Two-day International Seminar on

## Global Advances in Statistical Methods and Applications ( GASMA – 2026 )

Dates: 19<sup>th</sup> & 20<sup>th</sup> January 2026 Time: 10:00 a.m. to 03:30 p.m.



Venue: Barbier Hall (Jubilee Building)

**ST. JOSEPH'S COLLEGE (AUTONOMOUS)**

Tiruchirappalli, Tamil Nadu, India.



## About the Institutions

**St. Joseph's College (SJC)**, founded in 1844 by the Jesuits and affiliated with Bharathidasan University, has a long tradition of excellence in higher education and leadership formation. Celebrating milestones such as its centenary (1944), sesquicentenary (1995) and Dodransbicenennial (2019), the college has earned national recognition, including 25<sup>th</sup> place in the NIRF 2024 rankings, NAAC A++ accreditation, and UGC Special Heritage College status. Rooted in Jesuit values of cura personalis and Magis, it continues to provide quality education to the poor and marginalized, fostering holistic student development, academic innovation, and social transformation through the dedicated efforts of its faculty, alumni, and stakeholders. This Jesuit College trains young men and women of quality to be leaders in all walks of life so that they may serve the people of the nation in truth, justice and love.

Thanthai Periyar, a visionary leader, social reformer, and founder of the Self - Respect Movement, generously donated land and funds to establish a college in Tiruchirappalli in 1965, leading to the creation of **Thanthai Periyar Government Arts and Science College (TPGASC)**, inaugurated by Chief Minister M. Bhakthavatchalam. Over the decades, the institution has grown into a 52.62 - acre campus, serving predominantly oppressed and economically marginalized students, many of them first generation learners. With autonomous status since 1998, multiple UG and PG programs, recognized research centers, and evolving curricula aligned with state policies, the college continues to uphold Periyar's vision by providing holistic education, fostering innovation, and standing as a beacon of knowledge that bridges heritage with modern academic progress.

## About the Departments

**The Department of Statistics (SJC)** established in 1978, is a vibrant academic and research centre committed to excellence in statistical education. Beginning as an undergraduate department and later elevated to postgraduate and research status, it now offers B.Sc., and Ph.D. programmes. The department emphasizes strong theoretical foundations along with practical applications, integrating modern statistical software, data analysis methods, and project-based learning. A mandatory internship for UG students provides real-world exposure, linking classroom concepts with industry practice. Supported by experienced faculty, DBT-STAR recognition, and active collaborations with various institutions, the department fosters analytical thinking, research culture, and professional competence. Over the years, it has produced distinguished alumni who have excelled in academia, research, analytics, banking, and industry, making it a significant contributor to the academic legacy of SJC.

**The Department of Statistics (TPGASC)**, established in 1980 with the B.Sc. programme and later expanded with M.Sc., (1995) and Ph.D. research programmes (1994), aims to produce skilled statisticians with strong moral and social values. Equipped with a modern computer lab, a library of around 2,500 books, and ICT-enabled teaching facilities, the department supports effective learning and research. With Seven regular faculty members- most holding Ph.D. degrees - the department actively guides students, engages in research across various statistical fields, and organizes seminars and academic events to enhance academic growth.

## About the Seminar

This two-day international seminar serves as a dynamic platform for students, scholars, professors, and industrial leaders to engage with the latest advancements in statistical methods and applications. By addressing global challenges, the seminar emphasizes how modern Statistics can convert complex data into meaningful insights, guide evidence-based policies, and fuel innovation across academia and industry. By fostering collaboration and knowledge exchange, the event aims to strengthen the role of Statistics in shaping a sustainable and equitable future.

### Objectives

- Promote innovation in statistical methods to meet emerging challenges in research, industry, and society.
- Foster collaboration and knowledge exchange among students, scholars, professors, and industrialists at the global level.
- Advance evidence-based decision making through modern applications of Statistics across diverse disciplines.

### Who can Participate?

This seminar is truly **multidisciplinary**, welcoming participants from diverse fields where Statistics plays a vital role. Whether in science, engineering, economics, healthcare, social sciences, or industry, the event provides a common platform to learn, share, and apply statistical methods across all disciplines. By bridging academia and industry, it fosters collaboration and innovation that extend beyond traditional boundaries.

### Registration Fee: ( Inclusive GST)

- For PG / UG Students : Rs. 600/-**  
**For Research Scholar : Rs. 800/-**  
**For Faculty / Industrialist : Rs. 1000/-**  
**Abroad participants : \$40 USD**

Registration Link:

<https://service.sjctni.edu/Seminar/25/index.php?programcode=ST08105310>



**Last Date for Registration: On or before 12.01.2026**

### Important Note:

- No TA/DA will be provided.
  - Paid accommodation will be arranged on request nearest to the college.
- Registration fee includes seminar kit, refreshments, working lunch, and participation certificate only.

### Inaugural Address

**Rev. Dr. S. Mariadoss SJ**

Principal

St. Joseph's College (Autonomous)  
Tiruchirappalli, Tamil Nadu, India

**Dr. K. Angammal**

Principal

Thanthai Periyar Government Arts and Science College (Autonomous),  
Tiruchirappalli, Tamil Nadu, India

### Invited Speakers



**Dr. C. PONNURAJA**  
Scientist 'F'  
Head, Department of Statistics  
ICMR- National Institute for  
Research in Tuberculosis  
Chennai, Tamil Nadu, INDIA



**Dr. S. MEENA**  
Librarian  
Pachiyappa's College, Chennai  
Tamil Nadu, INDIA



**Dr. PRATHIBA BATLEY**  
Director  
Digital Measures, Huddersfield,  
HD4 7AZ, UNITED KINGDOM



**Dr. DEEPAK MAHADEO SAKATE**  
Professor  
Department of Statistics and  
Applied Mathematics  
Central University of Tamil Nadu Thiruvallur,  
Tamil Nadu, INDIA

### Valedictory Address

**Rev. Dr. M. Arockiasamy Xavier SJ**

Secretary

St. Joseph's College (Autonomous), Tiruchirappalli, Tamil Nadu, India