

## Programme Schedule

Date: 07.05.2022

Venue: Jubilee Hall, SJC.

08:30 AM Registration

09:30 AM Inauguration  
Inaugural Address:

**Rev. Dr. M. Arockiasamy Xavier SJ**  
Principal, St. Joseph's College, Trichy.

**Dr. J. Suganthi**  
Principal, Thanthai Periyar Govt.  
Arts & Science College, Trichy.

10:00 AM Invited Talk - I :

**Dr. K. M. Sakthivel**  
Associate Professor of Statistics,  
Bharathiar University, Coimbatore.

**Topic: Machine Learning Techniques for Data Analysis**

11:30 AM Photo Session & Tea Break

11:45 AM Invited Talk - I Continues

01:00 PM Lunch Break

02:00 PM Invited Talk - II

**Dr. S. Nickolas**  
Professor of Computer Applications,  
National Institute of Technology, Trichy.

**Topic: Data Mining for Business Intelligence**

04:00 PM Valediction  
Valedictory Address:

**Dr. A. Megala**  
Joint Director,  
Directorate of Collegiate Education,  
Trichy Region.

**Rev. Dr. S. Peter SJ**  
Secretary, St. Joseph's College, Trichy.

**Dr. J. Suganthi**  
Principal, Thanthai Periyar Govt. Arts &  
Science College, Trichy.

### Patrons

**Rev. Dr. Leonard Fernando SJ**  
Rector

**Rev. Dr. S. Peter SJ**  
Secretary

**Rev. Dr. M. Arockiasamy Xavier SJ**  
Principal, St. Joseph's College, Trichy

**Dr. J. Suganthi**  
Principal, Thanthai Periyar Govt. Arts & Science College, Trichy

### Conveners

**Dr. Lilly George**  
Head, Department of Statistics, St. Joseph's College, Trichy

**Dr. H. Alexis Selvaraj**  
Head, P.G. & Research Department of Statistics,  
Thanthai Periyar Govt. Arts & Science College, Trichy

### Organizing Secretaries and Members

**Dr. R. Vijaya Kumar**  
**Dr. J. Glorypersial**  
**Dr. T. Venkatesan**  
**Dr. A. Philip Arokiadoss**  
Assistant Professors, SJC

**Dr. S. Sasikala**  
**Dr. S. Bharathidass**  
**Dr. A. Kachimohideen**  
**Dr. B. Senthil Kumar**  
**Dr. M. Balasubramanian**  
**Dr. S. Bhuvaneshwari**  
Assistant Professors, TPGC

### Resource Persons

#### Session I

**Dr. K. M. SAKTHIVEL**  
Associate Professor of Statistics  
Bharathiar University, Coimbatore

**Topic: "Machine Learning Techniques for Data Analysis"**

#### Session II

**Dr. S. NICKOLAS**  
Professor of Computer Applications  
National Institute of Technology, Trichy

**Topic: "Data Mining for Business Intelligence"**

For further details contact

**Dr. J. Glorypersial** (+91 99444 52400)  
**Dr. A. Philip Arokiadoss** (+91 99442 98134)



## St. JOSEPH'S COLLEGE (Autonomous)

Accredited at A++ Grade (4<sup>th</sup> Cycle) by NAAC  
Special Heritage Status awarded by UGC  
College with Potential for Excellence by UGC  
DBT-STAR & DST-FIST sponsored College,  
Tiruchirappalli – 620 002. Tamil Nadu, India.



## THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE (Autonomous)

Accredited at A by NAAC (3<sup>rd</sup> Cycle)  
DST - FIST Funded Institution  
Tiruchirappalli – 620 023. Tamil Nadu, India.

## DEPARTMENT OF STATISTICS

of these colleges jointly organize  
One Day National Seminar on

## DATA MINING CONCEPTS & TECHNIQUES ( NSDMCT - 2022 )

**Date:** 07<sup>th</sup> May 2022 (Saturday)

**Venue:** Jubilee Hall  
St. Joseph's College (Autonomous)  
Tiruchirappalli – 620 002

## ABOUT THE COLLEGES

**St. Joseph's College (SJC)**, Tiruchirappalli in Tamil Nadu, India, was established in 1844 by the Society of Jesus (Jesuits) and it is regarded as one of the prestigious institutions in India. True to its Nobel ideal, "Pro Bono Et Vero" (for the Good and the True), St. Joseph's College has always upheld and radiated Goodness and Truth in its endeavor to impart quality in higher education. It was affiliated with Madras University in 1869 and is currently an affiliated first-grade college of Bharathidasan University. The College celebrated its centenary in 1944, sesquicentenary in 1995 and acquired the Five Star status, awarded by NAAC in 2000. It was recognized by UGC as a College with Potential for Excellence (CPE) in 2004 and was Reaccredited by NAAC with A+ Grade in 2006. And it has the heritage college status as one among 12 colleges in India in 2016, which is given by the Government of India. The college celebrated its Dodransbicentennial in 2018. The College is the first autonomous Arts and Science College in the country to secure the prestigious A++ rank for the fourth cycle of accreditation by the National Assessment and Accreditation Council (NAAC) in 2019. The College has produced a number of rare and remarkable geniuses, of whom the crown is the Former President of India, His Excellency, Bharat Ratna Dr. AP J Abdul Kalam. St Joseph's takes genuine pride in mentioning such a handful from the vast number of luminaries who had received their education in this College. This educational establishment has been instrumental in churning out thousands of truly educated persons, physically fit and intellectually well equipped. Thus, this College stands for what is best in education.

In the year 1965, the government of Tamil Nadu started **Periyar EVR College** in Tiruchirappalli, the central part of Tamil Nadu, naming it after the great thinker and social reformer Thanthai Periyar. Half a century ago, higher education was beyond the reach of the oppressed and economically marginalized younger generation in and around Tiruchirappalli. To cater to the educational requisites Thanthai Periyar, the visionary leader of the Justice Party and a well-known social reformer of Tamil Nadu, generously donated 9.65 acres of his land and Rs. 3.5 lakhs and requested the Tamil Nadu government to start a college at Tiruchirappalli. Utilizing the philanthropic help of Thanthai Periyar the government of Tamil Nadu started a government college at Race course road, Khaja Nagar, Tiruchirappalli during the academic year 1965-1966 and named it Periyar EVR College in honor of the leader. Then chief minister of Tamil Nadu, Honourable M. Bhaktavatsalam inaugurated the college on 24/08/1965. The college attained autonomous status during 1998-1999. Now we offer 15 undergraduate and 16 postgraduate programs in addition to 14 MPhil programmes. 13 of our apartments have been recognized as potential research centers by Bharathidasan University Tiruchirappalli. A special shift system (SSS) was introduced in the year 2006 by the state government policy of education with the available infrastructure. During this academic year, the name of Periyar E.V.R college has been changed by the Tamil Nadu government to **Thanthai Periyar Government Arts and Science College (TPGC)**, Autonomous, Tiruchirappalli- 23.

## ABOUT THE DEPARTMENTS

**The Department of Statistics, SJC** was started in 1978, in which year the autonomy was granted to our College. Our department became a PG Department in 1998. In rapid succession, the department got recognition as a Research Department by the Bharathidasan University in 1999 with the introduction of M.Phil. Programme and Ph.D. programme. The Department of Statistics helps the students to acquire the conceptual, computational, and Statistical tools for quantifying uncertainty and making sense of complex data arising from many disciplines. During the internship training, the students are exposed to real-life statistical applications where they refine the concepts learned in the classroom and hone their skills to define, diagnose, and analyse specific decision-making problems that seek suitable interpretation from them. The department has signed linkages with Public and Non-Public organizations for our student's internship training / Group projects. The department has produced many outstanding students with university ranks. All the faculty members possess Ph.D. and publish many papers regularly. The faculty members of the yesteryears have contributed significantly to the establishment and growth of the department. In memory of them, the Statistics Alumni Association instituted the Endowment lectures in the name of Dr. G. Stephen Vincent, Dr. N. Ramasamy, Prof. K. A. Jayakumar, Dr. K. Shanmuga Vadivel, and Dr. C. Muthu. Every year eminent speakers are invited to deliver lectures on selected topics for the benefit of the students.

**The Department of Statistics, TPGC** was established with B.Sc. statistics in 1980- 1981. M.Sc. statistics was introduced in 1995- 1996. The department was recognized as a research department in 1994- 1995 with M.Phil. full time and part-time and Ph.D. part-time degree programmes. The objective of the course is to produce dynamic and potential statisticians and inculcate moral, social and ethical values to become good Indian citizens. The curriculum includes practical applications of statistics in various fields. The department is well equipped with a furnished computer laboratory with the required software for practical training for the students. The department library is housed nearly 2,500 books. Multimedia LCD projector facilities are available in the department. The staff members are effectively utilizing ICT tools to prepare teaching and learning materials for all the subjects of UG, PG and MPhil programmes. The department has seven regular teaching faculty members. They are appointed by the government of Tamil Nadu and recruited through the teacher's recruitment board. All are Ph.D. holders. The faculty members act as mentors guiding the students to develop the necessary subject knowledge and social skills required to become a successful person in society. They are also involved in research activities in various fields like Statistical Quality Control, Statistics Inference, Bio-Statistics, Applied statistics, Stochastic processes, etc. The department often organize seminars, meetings and invited lectures.

## ABOUT THE SEMINAR

Now-a-days statistics plays an important role in the field of Research, which is the language of Data. Data is available such as quantities, characters, or symbols on which operations are performed by a computer which may be stored and transmitted in the form of electrical signals and recorded on magnetic, optical, or mechanical recording media in large data. Analysing research data is a tedious task. This seminar will help the participants to analyse research data on a suitable statistical tool through data mining.

### Objectives of the Seminar

- To help the participants to familiarise with the Statistical concepts and their application in the field of Big Data analysis.
- To motivate the students in the field of Data Mining.
- To facilitate the establishment of a network of Researchers.

### ELIGIBLE PARTICIPANTS

UG / PG Students, Research scholars, Faculty members and Industrialist  
(All Discipline)

### REGISTRATION FEE

UG / PG Students	- Rs. 300
Research Scholars	- Rs. 500
Faculty/Industrialist	- Rs. 500

\* The Registration fee includes a working lunch, Seminar kit, Refreshments, and Participation Certificate.

### Registration Form Link

Participants can use the link below to confirm your presence.

<https://admission.sjctni.edu/NSDMCT22/> (or) Use the QR Code:



**Note:** No TA and DA will be provided to the participants.  
Accommodation will be arranged with a nominal fee upon request.