

## ADVISORY & REVIEW COMMITTEE

**Dr. G. Thangaraj,**  
Member Syndicate,  
Professor & Head,  
Department of Mathematics,  
Thiruvalluvar University, Vellore.

**Dr. S.R. Kannan,**  
Associate Professor,  
Department of Mathematics,  
Pondicherry University,  
Pondicherry.

**Dr. U. Rizwan,**  
Associate Professor & Head  
Department of Mathematics,  
Islamiah College, Vaniyambadi.

**Dr. C. Selvaraj,**  
Associate Professor,  
Department of Mathematics,  
Presidency College, Chennai.

**Dr. A. Nagoor Gani,**  
Associate Professor,  
Department of Mathematics,  
Jamal Mohamed College, Trichy.

**Dr. A. Somasundaram,**  
Associate Professor,  
Department of Mathematics,  
BITS Pilani, Dubai, UAE.

**Dr. M. Thirucheran,**  
Associate Professor & Head  
Department of Mathematics,  
L. N. Govt. College, Ponneri.

**Dr. K. Ameenal Bibi,**  
Associate Professor,  
Department of Mathematics,  
D. K. M. College for Women (Autonomous), Vellore.

**Dr. S. Srinivasan,**  
Assistant Professor,  
Department of Mathematics,  
Periyar Govt. Arts College, Cuddalore.

## CHIEF PATRON:

**Rev. Fr. G. Peter Rajendiram,**  
Secretary,  
St. Joseph's College of Arts and Science.  
(Autonomous)

## PATRONS:

**Dr. S. Chinnappan,**  
Principal.

**Mr. M. Arumai Selvam,**  
Vice-Principal.

**Rev. Fr. Dr. S. Xavier,**  
Dean of Studies.

## CONVENER:

**Dr. J. Jon Arockiaraj,**  
Head, Dept. of Mathematics.

## EXECUTIVE MEMBERS:

**Mr. T. Henson,** Assistant Professor.

**Mrs. A. Arokiamary,** Assistant Professor.

**Mr. S. Johnson Savarimuthu,** Assistant Professor.

**Mr. A. Virgin Raj,** Assistant Professor.

**Mrs. L. Jethruth Emelda Mary,** Assistant Professor.

**Mr. J. Arockia Aruldoss,** Assistant Professor.

## MEMBERS:

**Mr. A. Venkatesan,** Assistant Professor.

**Mr. A. Rajesh,** Assistant Professor.

**Mrs. R. Padma Priya,** Assistant Professor.

**Ms. M. Kalaimathi,** Assistant Professor.

**Mrs. A. Savitha Mary,** Assistant Professor.

**Mrs. D. Ramya,** Assistant Professor.

**Mr. R. Julian Francis,** Assistant Professor.

## ORGANIZING SECRETARIES:

**Dr. S. Anjalmoose,** Assistant Professor.  
Mobile No: +91 9486283474.

**Mrs. C. Devi Shyamala Mary,** Assistant Professor,  
Mobile No: +91 9578092309.

## International Conference on "Pure and Applied Mathematics"

15<sup>th</sup> & 16<sup>th</sup> FEBRUARY - 2019.



PG & Research Department of Mathematics

St. Joseph's College of Arts and Science  
(Autonomous)

Affiliated to Thiruvalluvar University, Vellore.  
Re-Accredited by NAAC with 'A' Grade (3rd cycle)  
Recognised u/s 2(f) & 12(B) of the UGC Act, 1956  
A Christian Minority Institution  
Website: [www.sjctnc.edu.in](http://www.sjctnc.edu.in)



St. Joseph's College Road,  
Cuddalore-607001, Tamilnadu, India.



### ABOUT THE COLLEGE

St. Joseph's College is a legacy of the 19<sup>th</sup> century handed down to Pondicherry Diocese by the venerable MEP fathers. Its nucleus St. Joseph's High School was started 150 years ago in 1868 A.D. This school was elevated to a college in 1884 A.D. The District Gazetteer, South Arcot district has recorded St. Joseph's College as prime educational institution and the only College in the District in 19<sup>th</sup> century. It once again reverted as "ST. JOSEPH'S COLLEGE OF ARTS AND SCIENCE" in 1991. The College was affiliated to the University of Madras from 1991 to 2002 and later the college was affiliated to Thiruvalluvar University, Vellore.

The College obtained permanent affiliation and Autonomous status in 2008. The College has been Re-Accredited by NAAC with "A" Grade in 2011. The College has been included under section 2(f) & 12(B) of UGC Act 1956 and it also obtained minority status in 2012. The College offers 14 Under Graduate, 11 Post Graduate, 9 M.Phil., and 5 Ph.D., programmes. The College is located in Cuddalore, situated in the East Coast of Tamil Nadu, near Pondicherry and is at a distance of 180 Kms from Chennai.

### ABOUT THE DEPARTMENT

The Department of Mathematics is one among the departments serving the academic needs of the students since 1991. The department started with 35 students and 2 staff members and within few decades the number increased with 736 students and 16 staff members. It has qualified faculty members who actively engage in teaching and research. Many staff members have attended Orientation and Refresher courses to enrich themselves. It offers B.Sc., M.Sc., and M.Phil., programmes. In addition, it supports other courses like Computer Science, Computer Application, Commerce and some other branches. Regularly staff together with students attend workshop, national and international conferences, seminars and also present papers. Our staff members have written 12 books, published more than 180 research papers in national and international reputed journals. 125 research scholars were awarded M.Phil., degrees. It has got its alumni, well placed in India and abroad. The department also conducts various activities like competitions and guest lecturers.

### ABOUT THE CONFERENCE

St. Joseph's College feels proud of imparting knowledge torural, first generation learners in its 27 years of existence. The main objective of this conference is to provide a platform for educators, researchers, students and professionals to exchange the ideas, to communicate and discuss the frontier fields of presented pure and applied mathematics. The conference includes key note address and invited talks by renowned experts and presentation of contributed papers. The aim of this conference is to bring together the mathematicians to share novel ideas on applications of mathematics and to offer exposure to young researchers.

### CALL FOR PAPERS

Original papers are invited from the authors working in the following major areas, but not limited to, listed below:

- Algebra and Analysis
- Topology
- Differential Equations
- Graph Theory
- Fuzzy Subsets and its Applications
- Operation Research
- Cryptography
- Fluid Dynamics
- Neural Network
- Discrete Mathematics
- Statistics and Stochastic Process
- Mathematical Modelling and Simulation
- Scientific Computing and Algorithms
- Teaching and Learning of Mathematics

Submitted papers will be reviewed by expert committee, selected papers will be published in UGC referred journal.

### REGISTRATION FEE

|  |            |
|--|------------|
| Participation for all delegates            | : Rs. 500  |
| Presentation for PG                        | : Rs. 1000 |
| Presentation for Faculty/ Research Scholar | : Rs. 1500 |

E.mail : [icpamsjccud@gmail.com](mailto:icpamsjccud@gmail.com)

All participants are requested to register by sending the duly filled registration form with 'DD' in favour of " The Secretary, St. Joseph's College of Arts and Science (Autonomous), payable at Cuddalore.

### IMPORTANT DATES

|   |               |
|---|---------------|
| Last date for submission of Abstracts     | : 03.02.2019. |
| Last date for submission of full articles | : 11.02.2019. |

### INVITED SPEAKERS

**Dr. Gee Choon Lau,**  
Faculty of Computer & Mathematical sciences,  
UNIVERSITI TEKNOLOGI MARA,  
Malaysia.

**Dr. V. Ganesh,**  
Department of Mathematics,  
Higher college of Technology,  
Muscat, Sultanate of Oman.

**Dr. Joseph Verghese,**  
Associate Professor,  
Department of Mathematics,  
Christ University, Bangalore.

**Dr. G. Thangaraj,**  
Member Syndicate,  
Professor and Head,  
Department of Mathematics,  
Thiruvalluvar University, Vellore.

**Dr. Sunny Joseph,**  
Associate Professor,  
Department of Mathematics,  
KE College, Kottayam.

**Dr. U. Rizwan ,**  
Associate Professor & Head  
Department of Mathematics,  
Islamiah College, Vaniambadi.

**Dr. P. Lawrence Rozario Raj,**  
Assistant Professor,  
St. Joseph's College, (Autonomous),  
Trichy.