



PG and Research Department of Mathematics
(School of Mathematical Computation Sciences)

Holy Cross College (Autonomous)

Affiliated to Bharathidasan University
Nationally Accredited (4th Cycle) with A++ Grade (CGPA 3.75/4) by NAAC
College with Potential for Excellence
Tiruchirappalli - 620 002, Tamilnadu, India.

In Collaboration with

Mathematics Unit

Department of Natural Sciences and Information Technology

Mwenge Catholic University

Moshi, Kilimanjaro, Tanzania, East Africa

Organizes an

International Conference on

"Recent Trends in Applications of Mathematics"

(ICRTAM'25)

on 6th February 2025 (Thursday)

(HYBRID MODE)

Venue: Our Lady's Hall

PROGRAMME

Inauguration 9:00 a.m. - 10.00 a.m.

Inaugural Address **Dr. S. Senthilnathan**
Director (FAC), UGC-Human Resource
Development Centre and Professor
Department of Educational Technology
Bharathidasan University, Trichy



Felicitations **Rev. (Sr). Dr. Sarguna**
Secretary, Holy Cross College (Autonomous)
Trichy



Rev. (Sr.) Dr. Rajakumari P
Principal, Holy Cross College (Autonomous)
Trichy



Special Address **Dr. E.G. Rajan**
Professor of Signal Processing
Chairman, Pentagram Group of Companies
India, UK and USA

Tea Break 10.00 a.m. - 10.30 a.m.

Technical Session - I 10.30a.m. - 11.30 a.m.

Dr. E.G. Rajan
Professor of Signal Processing
Chairman, Pentagram Group of Companies
India, UK and USA



Topic : On the Notion of Constructive Sets and Function Spaces

Technical Session - II 11.30 a.m. - 11.50 a.m.

Dr. Janarthanan Krishnamoorthy
Associate Professor
School of Biomedical Engineering
Jimma Institute of Technology
Jimma University, Ethiopia



Topic : Application of Mathematics in Medicine

Technical Session - III 11.50 a.m. - 12.30 p.m. (Online)

Dr. Theresis Bonifasi Mkenda

Head, Lecturer in Mathematics and Statistics
Department of Natural Sciences and Information Technology,
Mwenge Catholic University, Tanzania, East Africa



Topic: The Role of Statistical Models in Developing and Implementing Strategic Plans in Higher Learning Institutions: Bridging the Data-Action Gap

Technical Session - IV 12.30 p.m. - 1.15 p.m.

Dr. M.C. Lineesh

Associate Professor, Department of Mathematics,
School of Natural Sciences
National Institute of Technology (NIT), Calicut, Kerala



Topic: Time Series Analysis for Air Quality Prediction

Lunch Break 1.15 p.m. - 2.00 p.m.

Technical Session - V 2.00 p.m. - 2.45 p.m.

Dr. S. Francis Raj

Associate Professor
Department of Mathematics
Pondicherry University, Pondicherry



Topic: On Chromatic Bounds for Some Graph Classes

3.00 p.m. - 4.00 p.m. Paper Presentation Sessions

VALEDICTION

Valediction 4.15 p.m. - 5.00 p.m.

Valediction Address

Rev. (Fr). Dr. S. Mariadoss SJ

M.Com, M.Phil., MBA., Ph.D.,
Principal, St. Joseph's College (Autonomous), Trichy



Guest of Honor

Rev. (Sr.) Dr. Rajakumari P

Principal, Holy Cross College (Autonomous), Trichy

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The University of the West Indies, Jamaica

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Head and Assistant Professor of Mathematics,
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Dr. Theresia Bonifasi Mkenda

Lecturer in Mathematics and Statistics, Mwenge Catholic University,
Kilimanjaro-Tanzania, East Africa.

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