ST JOSEPH'S UNIVERSITY
BENGALURU . INDIA

NATIONAL CONFERENCE ON
MATHEMATICAL ADVANCES

NCMA - 2025

ABOUT NCMA – 2025

The National Conference on Mathematical Advances is a premier academic event that brings together researchers, academicians, and professionals to discuss recent developments and emerging trends in mathematics. Organized by the Department of Mathematics, St Joseph's University, Bengaluru, this two-day conference will feature invited talks, paper presentations, and interactive discussions, fostering collaboration and knowledge exchange across diverse mathematical disciplines.

APRIL 7–8, 2025

XAVIER HALL
ST JOSEPH'S UNIVERSITY BENGALURU

ORGANISED BY

DEPARTMENT OF MATHEMATICS

ST JOSEPH'S UNIVERSITY
36 LALBAGH ROAD, BENGALURU-560027, KARNATAKA, INDIA

CONVENORS

- **MR SUSOBHAN MAZUMDAR**
  DEPARTMENT OF MATHEMATICS, SJU
- **DR DEEPA MATHEW**
  DEPARTMENT OF MATHEMATICS, SJU

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7ᵀᴴ APRIL, 2025

Time	Speaker	Title
9:30am - 10:00am	Inauguration	
10:00am - 10:50am	Neeraj Kayal	Difference Graphs of Étale Algebras Over Finite Fields
10:50am - 11:15am	Tea Break	
11:15am - 12:05pm	Siddhartha Gadgil	Computers Doing Mathematics: Past, Present And Future
12:10pm - 1:00pm	Ritesh Kumar Dubey	On the Learning of High Order Polynomial Reconstructions for Compressible Flow Problems

LUNCH BREAK

Time	Speaker	Title
2:30pm - 3:20pm	Jugal Kishore Verma	Real Roots of Real Polynomials
3:20pm - 3:45pm	Tea Break	
3:45pm - 4:35pm	Akansha	Graph Representation Learning: A Brief Introduction
3:45pm - 5:45pm	Paper Presentation	
6:00pm	Cultural Programme	

8TH APRIL, 2025

9:00am - 9:50am	P G Siddheshwar	Solution of Boundary Eigen-value Problems Involving ODES: State of the Art
10:00am - 10:50am	Jim Thomas	Mathematical and Computational Modeling of Turbulent Oceans of Our Planet
10:50am - 11:20am	Tea Break	
11:30am - 12:45pm	Panel Discussion	Bridging the Gap - Academia, Industry, and Interdisciplinary Research

LUNCH BREAK

1:50pm - 2:40pm	Neha Prabhu	The quest for a polynomial that is hard to compute and its applications
2:45pm - 3:35pm	Felbin C Kennedy	Class of Linear Octagonal Fuzzy Numbers and Their Applications
3:35pm - 4:00pm	Tea Break	
4:00pm - 4:50pm	Sivakumar K C	Inverse Tridiagonal Matrices
4:00pm -5:00pm	Paper Presentation	
5:00pm - 5:30pm	Valedictory Ceremory	

NCMA 2025

Schedule of
PAPER PRESENTATIONS

7ᵀᴴ APRIL, 2025

Session 1A

ROOM NUMBER
PG 211

- Mausam Kumar
- Rajendra S. Rajpoot
- Champakumari M
- Janice Caron Correya
- Dipti Ranjan Parida
- Kavya R

Session 1B

ROOM NUMBER
PG 212

- Sherly K
- Deepika S
- Amala Darathy P
- Rakhi Eknath Kapse
- Abdul Haq

Session 1C

ROOM NUMBER
PG 213

- Abhinaya B M
- Lian Mathew
- Siddharth R Bhardwaj
- Driti Arun Singhania
- Soniya Joseph
- Priyanka Pandey/ Paradesi Tabitha Rajashekar

Session 1D

ROOM NUMBER
PG 214

- Anurag Singh
- Sanjana Soori
- Amrithaa. M
- Parvez Alam
- Kavya K N

Session 1E

ROOM NUMBER
PG 111

- Deepa G
- Dr. Aditya Subramaniam
- Dr. Monica M V
- Dr. P. Subbulakshmi
- Dr. S. Sarah Surya

NCMA 2025

Schedule of
PAPER PRESENTATIONS

8TH APRIL, 2025

Session 2A

ROOM NUMBER
PG 211

- Dr Maria Anncy
- Nanditha R
- Ritu Rani
- Krishnapriya Prasad
- Apoorva S Murthy

Session 2B

ROOM NUMBER
PG 212

- Mohammed Farhaan
- J. Venkata Ramana Raju
- Shravani V
- Mr Leonard Winston Aiman

Session 2C

ROOM NUMBER
PG 213

- Merin Cherian
- Marie Serene D Cruz
- Vaishnavi N
- Anna S Varghese
- Jeffy Sabu

Session 2D

ROOM NUMBER
PG 214

- Flora Jeba S
- Tanisha Nambiar
- Sheetal Sarah Ignatius

Thank You

Department of Mathematics
St Joseph's University
Bengaluru