St. Stephen's College, Delhi

The Department of Mathematics

and

The Mathematics Society

in collaboration with

The Computer Science Society

under the aegis of **IQAC**

present

A 2-DAY SYMPOSIUM

AI MEETS MATHEMATICS

From Mathematical Problems to Intelligent Solutions

30 & 31 October 2026

AX4, St. Stephen's College | OFFLINE EVENT

About the College & Organisers

Where the symposium takes place

THE COLLEGE

St. Stephen's College

Founded in 1881 and affiliated to the University of Delhi, St. Stephen's College is one of the oldest and most respected colleges in India. Known for academic excellence in the sciences, humanities and social sciences, it has nurtured generations of scholars, leaders and researchers, and continues to encourage curiosity, interdisciplinary thinking and intellectual debate.

Department of Mathematics

The Department has a long-standing tradition of intellectual curiosity. It provides students with a strong foundation in both theoretical and applied mathematics. The department continues to foster a deeper appreciation of mathematics and its role across disciplines.

The Computer Science Society

They promote interest in technology and emerging areas of computing among students. Through collaborative activities, the society provides a platform for students to learn, experiment and engage with the evolving world of technology.

The Mathematics Society

They work to cultivate an interest for mathematics beyond the classroom. Through academic discussions, competitions and interactive events, the society encourages logical reasoning and a deeper engagement with mathematical ideas.

About the Symposium

What to expect: themes and lectures

AI is changing how real-world problems are solved, and mathematics sits at its core. Over two days, eminent speakers show how mathematical ideas become intelligent solutions, through lectures, a hands-on Python lab, and discussion on responsible use of AI, research directions and careers.

Day 1

Registration and Inaugural Lecture

Registration of participants, welcome address and inaugural lecture.

Day 1

Cryptography

“AI and Cryptography: From Data Security to Intelligent Protection”

Day 1

Optimization

“AI and Public Transportation Optimization”: routes, allocation and resources

Day 1

Biomathematics

Lecture and Python lab: “AI and Biomathematics: From Biological Data to Prediction”

Day 2

Graph Theory

“AI and Graph Theory: From Networks to Intelligent Decisions”

Day 2

Financial Mathematics

“AI and Financial Data: From Data to Intelligent Decisions”

Day 2

Forecasting

“AI in Forecasting: From Historical Data to Future Forecasts”

Day 2

Responsible AI

Concluding lecture: “Responsible AI, Research Directions, and Career Opportunities”

Schedule

Two days of lectures, lab and discussion

DAY 1 | Friday, 30 October	
9:00–9:30 AM	*Registration and Refreshments*
9:30–10:30 AM	**From Mathematical Certainty to Stochastic Discovery: Optimization in the Age of AI** **Prof. T.V. Vijay Kumar**
10:30 AM–12:00 PM	**AI and Cryptography: From Data Security to Intelligent Protection** **Dr. Sweta Mishra**
12:00–1:00 PM	**AI and Public Transportation Optimization** **Prof. Pravesh Biyani**
1:00–2:00 PM	*Lunch Break*
2:00–3:30 PM	**AI and Biomathematics: From Biological Data to Prediction** **Prof. Gautam Menon**
3:30–5:00 PM	**Python Lab: AI and Biomathematics** **Dr. Shivani Dhiman**
5:00–5:30 PM	*Tea*

DAY 2 | Saturday, 31 October	
9:30–11:00 AM	**AI and Graph Theory: From Networks to Intelligent Decisions** **Prof. Sayan Ranu**
11:00–11:30 AM	*Tea Break*
11:30 AM–1:00 PM	**AI and Financial Data: From Data to Intelligent Decisions** **Dr. Mohit Beniwal**
1:00–2:00 PM	*Lunch Break*
2:00–3:30 PM	**AI in Forecasting: From Historical Data to Future Forecasts** **Dr. Mohit Beniwal**
3:30–5:00 PM	**Concluding Lecture: Responsible AI, Research Directions, and Career Opportunities** **Prof. Arindum Nayak**
5:00–5:30 PM	*Valedictory Ceremony, Feedback and Tea*

Our Speakers

Experts from leading institutions



Prof. T.V. Vijay Kumar

Jawaharlal Nehru University

Chairperson, Special Centre for E-Learning; Professor, School of Computer and Systems Sciences

Professor at JNU's School of Computer and Systems Sciences and Chairperson of its Special Centre for E-Learning. Also a concurrent professor in the School of Engineering and the Special Centre for Disaster Research.



Dr. Sweta Mishra

Shiv Nadar University

Assistant Professor & UG Advisor, CSE

PhD in cryptography from IIIT Delhi (TCS Research Fellow). Worked at NIST, USA, on standards for password hashing. Researches password-based cryptosystems and biometric security.



Prof. Pravesh Biyani

IIIT-Delhi

Associate Professor, ECE

Applies optimization and machine learning to urban transport. Founded Chartr, whose IIIT-Delhi technology powers digital ticketing and live bus tracking in Delhi.



Prof. Gautam Menon

Ashoka University

Professor of Physics and Biology

Works where physics, biology and computation meet. Former Dean (Research) at Ashoka and founding Dean of Computational Biology at IMSc Chennai.



Dr. Shivani Dhiman

Bennett University

Assistant Professor, School of AI

Builds explainable AI for healthcare diagnosis using knowledge graphs, LLMs and agentic AI. PhD in Computer Science from the University of Delhi. Published 9+ papers; UGC-NET top 1% and JRF awardee.



Prof. Sayan Ranu

IIT Delhi

DS Chair Professor of AI, CSE; Yardi School of AI

Works on machine learning and data mining for graphs, from food-delivery matching to fair gig platforms. Honourable mention, ACM India Early Career Researcher Award 2024.



Dr. Mohit Beniwal

Delhi Technological University

Assistant Professor, Delhi School of Management

Applies machine learning and AI to stock market forecasting, fraud detection and financial analytics. PhD from DTU, MBA and MS from Iowa State University. Industry experience at Accenture USA, HCL and Coforge.



Prof. Arindum Nayak

Jindal Global Law School

Assoc. Professor & Assoc. Director, Cyril Shroff Centre for AI, Law and Regulation

Studies AI, financial regulation and regulatory technology. Previously built AI-driven regulatory intelligence tools with Cambridge's Regulatory Genome Project.

Organising Committee

The people behind the symposium

CHIEF PATRON

Prof. Susan Elias (Principal)

ADVISORY COMMITTE

Dr. Aditya Pratap Deo (IQAC Coordinator)
Dr. Benston John (Bursar)
Dr. Akshay Rana (IQAC Member)
Ms. Archana Chopra (Head, Dep. Of Mathematics)

CONVENER

Dr. Jaspreet Kaur
Dr. Aastha Madonna Sathe

CO-CONVENER

Dr. Greetta Pinheiro
Dr. Nimish Joseph

ORGANISING TEAM

Kaynaat Arora
The Mathematics Society

Jayesh Gupta
The Mathematics Society

Ryan Varghese Peter
The Mathematics Society

Vrinda Aggarwal
The Mathematics Society

Jishant Sapru
The Mathematics Society

Govind Ramuka
The Mathematics Society

Devanshi Kumar
The Mathematics Society

Jeff Joseph
The Computer Science Society

Dev Arora
The Computer Science Society

Tanmay Duggal
The Computer Science Society

Meghnad Thampi
The Computer Science Society

Pratham Gangwani
The Computer Science Society

Joshika Kujur
The Computer Science Society

Who Can Attend?

- Undergraduate students (All years)
- Postgraduate students
- Research scholars

Limited Seats Available

DATE

30 & 31 October 2026

TIME AND VENUE

8:45AM – 5:30PM
AX4

REGISTRATION FEE

₹600 (Non-Stephenians)
₹400 (Stephenians)

LAST DATE FOR REGISTRATION

26 October 2026

SCAN TO REGISTER

CLICK HERE

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