

About The FDP

Mathematics is the language of intelligence. This FDP aims to bridge the gap between mathematical foundations and modern AI techniques. The program will empower participants with conceptual clarity and hands-on exposure to AI tools, enabling them to contribute to the AI revolution.

Objectives

- Connect participants with top academicians and industry leaders.
- Understand mathematical foundations of AI.
- Explore Topological Data Analysis (TDA) for pattern discovery.
- Develop skills in modern AI and ML methodologies.
- Gain hands-on experience in AI/ML tools and techniques.
- Explore AI/ML applications in data analysis and computer vision.
- Understand implementation aspects and recent research developments.

Target Participants

Faculty members, researchers, Ph.D. scholars, PG students, and professionals from:

- Computer Science & Engineering
- Data Science & Artificial Intelligence
- Mathematics & Statistics
- Electronics and Allied disciplines

Resource Persons

- Dr. Krushna Chandra Gouda, CSIR, Bengaluru
- Dr. Rituparna Sen, ISI Bangalore
- Dr. Soma Biswas, Professor, IISC
- Dr. Amit Chattopadhyay, IIIT Bangalore
- Dr. Debnath Pal, Professor, IISC
- Dr. Kantha Rao Bhimala, CSIR Bangalore
- Dr. Sarat Kumar Maharana, Dean, FET, RUAS, Bengaluru.

Program Schedule 31st August to 7th September

Day 1 : Monday, 31 August 2026

Registration	9:30 am – 10:00 am
Inauguration	10:00 am – 11:00 am
Tea Break	11:00 am – 11:30 am
Session 1: Dr. Krushna Chandra Gouda CSIR Bengaluru	11:30 am – 12:45 pm
Lunch Break	12:45 pm – 1:45 pm
Session 2 : Hands on by Sarbani Maiti, Databricks Bengaluru	1:45 pm – 3:30 pm
Tea Break	3:30 pm – 4:00 pm

Day 2 : Tuesday, 1st September 2026

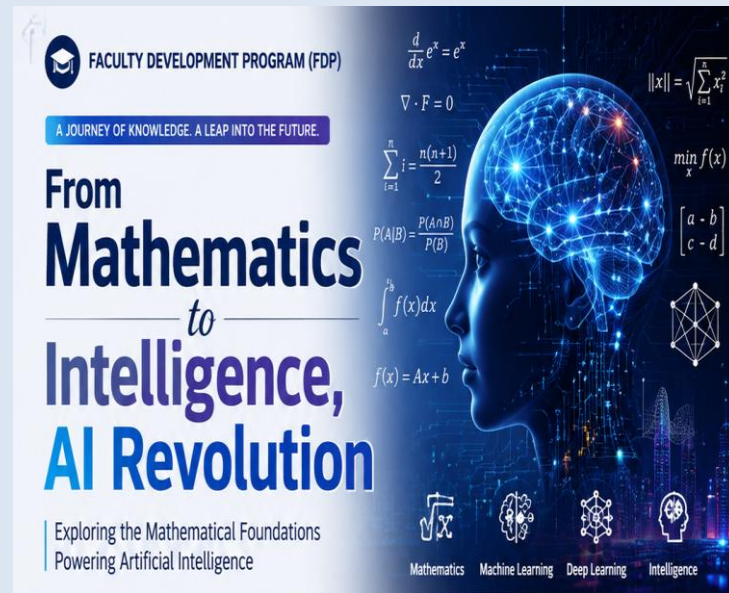
Session 3: Dr. Hariharan Ramasangu, Research Director, Relecura Bengaluru	10:00 am – 11:15 am
Tea Break	11:00 am – 11:30 am
Session 4: Big Data Analytics and AI: From Fundamentals to Real-World Applications, Kantha Rao B, CSIR Bengaluru	11:30 am – 12:45 pm
Lunch Break	12:45 pm – 1:45 pm
Session 5: Fit Versus Forecast Dr. Rituparna Sen, Applied Statistics Unit, ISI Bangalore	1:45 pm – 2:45 pm
Tea Break	2:45 pm – 3:00 pm
Session 5(continue)	3:00 pm – 4:00 pm

Day 3 : Wednesday, 2nd September 2026

Session 6: Lifelong Learning and Unlearning: Classification to Generation In Computer Vision, Dr. Soma Biswas, Professor, Dept. of Electrical Engg., IISC	10:00 am – 11:00 am
Tea Break	11:00 am – 11:30 am
Session 6 (continue)	11:30 am – 12:45 pm
Lunch Break	12:45 pm – 1:45 pm
Session 7: Hands on by Ravishankar Ramaraj, Technodysis Bengaluru	1:45 pm – 3:30 pm
Tea Break	3:30 pm – 4:00 pm

Organized
By

Dept. of Comp. Sc. and Engg.



Day 4 : Thursday, 3rd September 2026

Session 8: Topology in Machine Learning Dr. Amit Chattopadhyay, Dept of Computer Science & Engineering, IIIT Bangalore	10:00 am – 11:00 am
Tea Break	11:00 am – 11:30 am
Session 8(continue)	11:30 am – 12:45 pm
Lunch Break	12:45 pm – 1:45 pm
Session 9 Hands on by Dr. Tapan K Bhowmik, Accenture Bangalore	1:45 pm – 3:30 pm
Tea Break	3:30 pm – 4:00 pm

Day 5 : Monday, 7th September 2026

Session 10: Building Tools for Indian Medical Imaging Datasets Dr. Debnath Pal, Dept. of Computational and DSc, IISc	10:00 am – 11:00 am
Tea Break	11:00 am – 11:30 am
Session 10(continue)	11:30 am – 12:45 pm
Lunch Break	12:45 pm – 1:45 pm
Session 11: Mathematics to Intelligence-A digital twin of human cognitive growth, Dr. Sarat K Maharana, Dean - FET, RUAS, Bengaluru	1:45 pm – 2:30 pm
Valedictory	2:30 pm – 3:30 pm
High Tea	3:30 pm – 4:00 pm

Chief Patron

Dr. M. R. Jayaram, Hon'ble Chancellor
Prof. Kuldeep Kumar Raina, Vice-Chancellor
Mr. S. Ashok Rao, Registrar
Prof. R. V. Ranganath, Provost-Engg. & Allied Sc.

Patron

Dr. Sarat K Maharana, Dean - FET,
Dr. Dayananda B. S., Asso. Dean FET
Dr. C Narendra Babu, HOD-CSE, FET

Convener

Dr. Subarna Chatterjee
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Dept. of CSE, RUAS
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Organizing Committee

Ms. Jishmi Jos Choondal, Asst. Professor, CSE
Mr. Deepak Varadam, Asst. Professor, ECE
Dr. S M Hari Krishna, Asst. Professor, CSE
Dr. Sahana P Shankar, Asst. Professor, CSE
Ms. Naveeta Rani, Asst. Professor, CSE
Ms. Pallavi R Kumar, Asst. Professor, CSE
Dr. Yogesh K M, Asst. Professor, CSE
Ms. Shaista Tarannum, Asst. Professor, ECE
Ms. Parinita Bora, Senior Research Scholar, CSE

Scan to Reach the Venue



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Scan-For Registration



Internal Faculty/Students

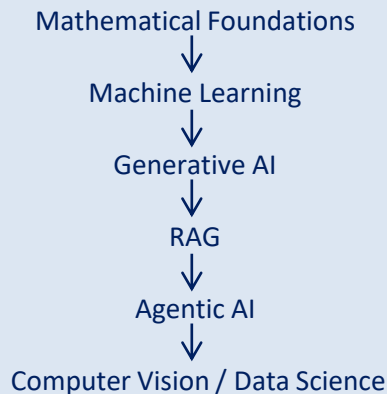
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Event Registration

About CSE - RUAS

The Department of Computer Science & Engineering at RUAS promotes excellence in computing, artificial intelligence, data science and emerging technologies through innovative teaching, hands-on learning and research. With experienced faculty, modern laboratories, industry-oriented programmes and a strong innovation and coding culture, the department prepares learners to address real-world technological and societal challenges.

Hands-on AI Lab



Explore Generative AI tools, prompt engineering, Large Language Models (LLMs), AI-assisted coding, RAG-based applications and AI-powered workflows. Build AI agents, design agentic workflows and develop practical mini-projects using real-world Generative AI and Agentic AI applications in Computer Vision.

Mode

Hybrid



External Participants

Online 300/-

Offline 700/-

Event Registration

From Mathematics to Intelligence: Exploring the AI Revolution

Bridging Mathematical Foundations to Intelligent AI Solutions

31st AUGUST - 7th SEPTEMBER, 2026

KEY THEMES

Mathematical Foundations

The core of intelligent systems

AI Concepts & Techniques

From theory to real-world impact

Hands-on Sessions

Learn, code and innovate

Data, Models & Insights

Turning data into decisions

Expert Talks & Collaborations

Engage, share and grow

VENUE Seminar Hall A206 / Computer Lab
RTC Campus, RUAS, Peenya

WHO SHOULD ATTEND?

- ✓ Faculty Members
- ✓ Research Scholars
- ✓ Industry Professionals
- ✓ PG & Advanced UG Students

E-Certificate will be provided on successful participation