



SEVEN – DAYS INTERNATIONAL FACULTY DEVELOPMENT PROGRAM
RECENT TRENDS AND ADVANCES IN MATHEMATICS
(RTAM – 25)

04th to 10th August 2025 | 12:00 pm to 02:00 pm & 06:30 pm to 08:30 pm (IST)

Online



About the Program

The Seven-Day International Faculty Development Program on "Recent Trends and Advances in Mathematics (RTAM-25)" is designed to enhance the academic and research capabilities of faculty members by exposing them to emerging areas and cutting-edge developments in the field of mathematics. The program brings together renowned international experts and academicians to deliver insightful sessions on advanced mathematical theories, interdisciplinary applications, and innovative pedagogical practices. Through this initiative, participants will gain deeper knowledge, explore collaborative research opportunities, and stay updated with the latest trends that are shaping the future of mathematical sciences.

Objectives of the Program

- To familiarize faculty members with cutting-edge development and modern trends in both Pure and Applied Mathematics.
- To introduce interdisciplinary approaches, integrating mathematics with domains like Artificial Intelligence, Physics, Biology, Economics and Engineering.
- To enrich pedagogical practices through innovative teaching tools, mathematical software and technology – enabled instruction.
- To promote research oriented mindset by exploring emerging areas and collaborative opportunities across academia and industry.

Expected Outcomes of the Program

- Participants will gain insight into emerging mathematical research, cutting edge technology and global academic trends.
- Faculty will be equipped to design and deliver impactful and updated course content, integrating research and real-world relevance.
- Enhanced ability to undertake interdisciplinary projects and mentors students in innovative problem-solving.
- Strengthened collaborative networks with researchers, institutions and industry experts, fostering long-term academic partnerships.
- Boost in research productivity, leading to quality publications, conference participation and project grants.

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Target Audience: Faculty members, research scholars from Mathematics / Statistics / Engineering / Science Disciplines.

Registration Fees: 250 INR

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Type of program: Online

[MEETING LINK](#)

Committee Members

PATRONS	+
<ul style="list-style-type: none"> • Shri B M Reddy, President, JMJ Education Society, Bangalore. • Shri B Premnath Reddy, Chairman, Acharya Institutes, Bangalore. • Smt. Shalini Reddy, Executive Director, Acharya Institutes, Bangalore. • Mr. Krishna Basani Reddy, Managing Director, Acharya Institutes, Bangalore. • Shri C B M Bhooshan, ES to Chairman, Acharya Institutes, Bangalore. 	
ADVISORY COMMITTEE	+
<ul style="list-style-type: none"> • Dr. C K Marigowda, Principal, AIT, Bangalore. • Dr. Rajashekhar Patil, Head-Quality Assurance, Acharya Institutes, Bangalore. • Dr. Rajeswari, Dean of Academics and Head Dept. of ECE, AIT, Bangalore. • Dr. Rajanna KR, Professor, Dean Student Affairs, AIT, Bangalore. • Dr. Kala Venugopal, Dean- Faculty & Staff Development, AIT, Bangalore. • Dr. Abhishek V, Associate Dean - Faculty & Staff Development, AIT, Bangalore. 	
CONVENER	+
<ul style="list-style-type: none"> • Dr. T Rami Reddy, Head, Dept. of Mathematics, AIT 	
ORGANIZING COMMITTEE	+
<ul style="list-style-type: none"> • Dr. Girish A, Associate Professor, Dept. of Mathematics, AIT • Dr. MD. Samiul Haque, Assistant Professor, Dept. of Mathematics, AIT • Mrs. Anitha R Somashekar, Assistant Professor, Dept. of Mathematics, AIT • Dr. Deepasree S Kumar, Assistant Professor, Dept. of Mathematics, AIT • Mrs. Ashwini H P, Assistant Professor, Dept. of Mathematics, AIT • Mr. R Thejesh Kumar, Assistant Professor, Dept. of Mathematics, AIT • Mrs. Gayathri V, Assistant Professor, Dept. of Mathematics, AIT 	
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Resource Persons Details

	Dr. ISMAIL NACI CANGUL Designation : Professor, Bursa Uludag University, Faculty of Arts and Science, Department of Mathematics, Gorukle 16059, Bursa - Turkey		Dr. HESHAM NABIEL Designation : Assistant Professor, Department of Mathematics, Faculty of Science, Al-Azhar University Cairo, Egypt
	Dr. KAVIKUMAR JACOB Designation : Associate Professor, Department of Mathematics and Statistics, Faculty of Applied Sciences and Technology, University Tun Hussein Onn Malaysia		Dr.SATHIYARAJ THAMBIAYYA Designation : Assistant Professor, Institute of Actuarial Science and Data Analytics, UCSI University, 56000, Cheras Kuala Lumpur, Malaysia
	Dr. MOHAMMED ZAKARIA Designation : Assistant Professor, Faculty of Graduate Studies for Statistical Research, Cairo University Egypt		Dr. N. THILLAIGOVINDAN Designation : Professor, Department of Mathematics, College of Natural and Computational Sciences, Arba Minch University, Ethiopia
	Dr. RAMYA RACHMAWATI Designation : Assistant Professor, Department of Mathematics, Faculty of Mathematics and Natural Sciences, University of Bengkulu, Indonesia		Dr. SAID BROUMI Designation : Professor, Department of Mathematics, University Hassan II Casablanca, Morocco
	Dr. GIORGIO NORDO Designation : Professor, Department of Mathematics, Messina University, Italy		Dr. ABRAHAM IBRAHIM NONKANE Designation : Associate Professor, Department of Mathematics, Université Thomas Sankara, Burkina Faso
	Dr. CHANDRASHEKHAR GANGIPELLI Designation : Assistant Professor, University of Technology and Applied Sciences, Muscat		

About the College

Acharya Institute of Technology (AIT), Established in 2000 with motto "Nurturing Aspirations and Supporting Growth" is dedicated to providing value based, quality education aligned with global standards in technical standards in Technical Education. The institute offers a wide range of Programs, including 12 undergraduates, 2 post graduate and 11 Ph.D. Programs. AIT is affiliated with the prestigious Visveswaraya Technological University (VTU), Belagavi, approved by AICTE and recognized under Sections 2(f) and 12(B) of the UGC act. Out of nine eligible UG programs six are accredited by NBA. AIT received 1 3.5 star IIC rating and ranked 151-300 in NIRF innovation for excellence in innovation and startups. With a student of over 4500, AIT fosters a vibrant campus life enriched with various events and activities that enhance organizational leadership, and teamwork skills. The institute remains committed to holistic student development, academic excellence and continual alignment with emerging education trends and industry.

About the Department

The department of Mathematics was established in the year 2000, and has been a V.T.U recognized R&D center since 2004. The Mathematics R&D center has produced 30 Ph.D. scholars and 03 scholars are doing their doctoral degrees currently. The major focus of the department is to inculcate Mathematical thinking in engineering students. For this, we teach core mathematics courses to students at under graduate and postgraduate level in Mathematics. The department faculty have published many papers in national and international journals. In addition, the faculty members have also obtained extramural support to carry out research activities. Current expertise of the faculty covers a broad range of areas including Fluid dynamics, Graph theory, Semigroup theory, Differential Geometry and Number theory.

About the Faculty Development Program (FDP)

International Faculty Development Program brings together international speakers and national participants to facilitate the exchange of innovative ideas and collaborative research, promoting a vibrant cross-cultural academic dialogue. The event aims to enlighten the recent developments in dynamical systems, hybrid deep learning algorithms, metaheuristic algorithms and optimization models. This FDP is expected to provide a prominent platform for ring algebra, neutrosophic theory, fibrewise topology, graph theory and representation theory. Another important aspect of the FDP is to address modern techniques in perturbation flow, multi-server queuing inventory systems and hydrodynamic stability of swirling flow.



Acharya Institute of Technology

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