

## SCHEDULE

### Day – 1

09:00 AM – 10:00 AM	Inauguration
10:00 AM – 10:30 AM	Tea Break
10:30 AM – 11:15 AM	Prof. Ambily A A, Dept. of Mathematics, CUSAT, Cochin, Kerala
11:15 AM – 12:00 AM	Invited Talk by Prof. B R Shankar, MACS, NITK, Surathkal
12:00 AM – 1:00 PM	Mathematical Rangoli Competition and Poster Presentation Competition

1:00 PM – 02:00 PM

Lunch Break

02:00 PM – 02:45 PM  
Invited Talk by Prof. Sam Jahson, HOD, MACS, NITK, Surathkal

02:45 PM – 03:00 PM  
Tea Break

03:00 PM – 05:00 PM  
Mathematical Quiz Competition

### Day – 2

09:00 AM – 10:15 AM  
Women's Health Issues : An Overview, Talks by Dr. Akhila D, Dept. of Community medicine, KMC, Manipal and Dr. Illendula Anuradha, Assistant Professor of Research, Medicine University of Virginia, USA.

10:15 AM – 10:30 AM  
Tea Break

10:30 AM – 12:00 PM  
Contributory talks by research Scholars and Faculty Members in memory of Prof. Maryam Mirzakhani

12:00 AM – 1:00 PM  
Mathematical Cultural Program

1:00 PM – 02:00 PM  
Lunch Break

## EVENT ORGANISING COMMITTEE

Dr. Aishwarya S	Dr. Divya Shenoy	Dr. Rekha G. Pai
Dr. Akansha	P (Convenor- Technical)	Dr. Sabitha D'Souza
Prof. Amrithalakshmi (Organising Secretary)	Dr. Harinakshi Karkera	Dr. Sandhya S. Pai
Prof. Anitha Raghunath	Dr. Indira K. P.	Dr. Shahistha
Dr. Anu Radha D	Dr. Kavitha Koppula	Dr. Shobha M. E.
Dr. Arathi Bhat	(Convenor- Technical)	Dr. Smitha Holla
Dr. Ashwini Bhat (Organising Secretary)	Dr. Lavanya B. Dr. Prathima J.	Dr. Soumya K. V.
		Dr. Sujatha H. S. (Convenor)
		Dr. Sumathi K.
		Dr. Swati Nayak
		Dr. Vidya H. C.

## THEME OF THE EVENT

To raise awareness of the value of Mathematics among young students and researchers



To celebrate the success of women in mathematics and to promote health awareness



To motivate women to become leaders of innovation.



## ABOUT THE EVENT

"Women in Mathematics Day" is observed annually on May 12<sup>th</sup> to mark the anniversary of the eminent lady Mathematician Maryam Mirzakhani's birth. She was a Mathematician from Iran and a Professor of Mathematics at Stanford University. She was one of the world's leading experts in geometry and dynamical systems. In 2014, she was awarded the Fields Medal for her outstanding contributions to the dynamics and geometry of Riemann surfaces and their moduli spaces, being the first woman to be recognized for her achievements in mathematics by this prestigious mathematical prize. The goal of the day is to inspire women everywhere to celebrate their achievements in mathematics and to encourage researchers to apply mathematics in innovation and technology. The day also highlights the advances and breakthroughs in the subject.



**MANIPAL**  
INSTITUTE OF TECHNOLOGY  
(A constituent unit of MAHE, Manipal)



# Women in Mathematics Day

( Partially supported by NBHM-DAE, Govt.of India)

On

**May 13–14, 2024**

**(In Memory of Prof. Maryam Mirzakhani, Field Medalist, Former Professor at Stanford University)**

Organised by

**DEPARTMENT OF MATHEMATICS**

**MANIPAL INSTITUTE OF TECHNOLOGY, MANIPAL**

**For event registration:** <https://forms.office.com/r/6i6dtenVDg>  
**No registration fees.**

**Registration last date:** April 25, 2024

**Abstract submission last date:** May 05, 2024

## Manipal Academy of Higher Education (MAHE)

Manipal Academy of Higher Education (MAHE), an Institution of Eminence Deemed to be University, is a self-financing higher educational institution that started its operations in 1953. Its excellent track record in academics, infrastructure, and research contributions, and its standing in the national and international rankings, culminated in it being declared as an Institution of Eminence Deemed to be University (IoE) by the Ministry of Education, Govt. of India, in 2020. Over 35,000 students from 60+ nations live, learn, and play in the sprawling University town, nestled on a plateau in Karnataka's Udupi district. It also has 3000+ faculty and 10000+ other support and service staff, who cater to the various professional institutions in Health Sciences, Engineering & Management, Communication, Humanities, Liberal Arts, Social Sciences, etc. which dot the Wi-Fi-enabled campus.



## Manipal Institute of Technology (MIT)

MIT offers Bachelor's and Master's programs in engineering streams. It also gives students the option to carry out full-time or part-time research. The minimum duration for postgraduate qualified PhD students is three years for full-time, and four years for part-time. There is a one-year relaxation for applicants with an MPhil degree. The institute undertakes sponsored research programs supported by funding agencies such as DST, CSIR, AICTE, and the Ministry of Environmental Sciences. It has collaborative research programs in association with premier research laboratories and institutes in India and abroad.



## The Department of Mathematics

The Department of Mathematics at MIT Manipal was started in 1957. The faculty members, along with the regular teaching, also guide the students in acquiring higher-level knowledge of pure and applied mathematics. The primary responsibility of the department is to teach mathematics to undergraduate students. It also takes up teaching specialized subjects to MTech, MCA, and MSc programs, and is offering a BTech (Mathematics & Computing) from academic year 2023. The department is also associated with a new BTech (Computer Science and Finance Technology) program starting in the academic year 2023. In addition, the department offers PhD programs in various specialisations for students admitted through the National Level Entrance Exam. There are 44 faculty members with diverse specialisations and core competencies including Linear Algebra, Numerical Analysis, Fluid Dynamics, Graph Theory, Number Theory, Complex Analysis, Algebra & Applications, Functional Analysis, Topology, Statistical Inference, Deep Learning, Reliability Theory, and Control & Optimisation.

### Organising Committee

#### Chief Patron

Dr. Ramdas M. Pai,  
President & Chancellor, MAHE, Manipal

#### Patrons

Dr. H. S. Ballal, Pro Chancellor, MAHE, Manipal  
Dr. Lt. Gen. (Dr.) M. D. Venkatesh, Vice-Chancellor, MAHE, Manipal  
Dr. Narayana Sabhahit, Pro-Vice Chancellor (Technology & Science), MAHE, Manipal  
Dr P. Giridhar Kini, Registrar, MAHE, Manipal  
Dr. Vinod V. Thomas, Registrar (Evaluation), MAHE, Manipal

#### Chairpersons

Cdr. Dr. Anil Rana, Director, MIT, Manipal  
Dr. Somashekhara Bhat, Joint Director, MIT, Manipal

#### Chairperson Scientific committee

Dr. Kuncham Syam Prasad, Professor & Head, Dept. of Mathematics, MIT, Manipal

**For any queries contact:** Dr. Sujatha H. S. 9448744540  
Dr. Kavitha Koppula, 9036417473  
Dr. Divya Shenoy P.9964925203

### Quiz Competition

- Each team consists of 5 participants.
- The quiz is based on mathematics.

### Poster Presentation

- Each team consists of 2 participants.
- Theme of the poster will be 'Practical Applications of Mathematics / Use of Mathematics in Innovation and Technology'
- Time for each presentation is (6 + 2) minutes, where the last 2 minutes are for the interactions.
- The posters may be printed or hand-made.

### Mathematical Rangoli

- Each team consists of 2 participants.
- Time limit for Rangoli will be 60 minutes.
- Participants have to bring their own colours/materials.
- Concept of Rangoli must be mathematical.
- The size of Rangoli should not exceed  $3' \times 3'$ .

### Contributory Talk

- Only for Ph.D Scholars and Faculty Members.
- Time limit for Presentation will be 15 minutes.
- Abstract template will be send for the registered participants.

### General Guidelines

- Institutions can send more than one team for the activities above mentioned.
- Competitions would go on simultaneously so the same participant cannot participate in more than one competition.
- Any indiscipline on the part of participants would lead to disqualification of the whole team.
- The prize distribution ceremony will take place at the end of the function.

**Participation certificate will be awarded to every participant.**