



# One Day Workshop on Meteorology & Disaster Management

(Sponsored by MIT Campus,  
Anna University)

For  
Faculty Members,  
Research Scholars, Academia, Enthusiasts  
and Students

**Date and Time**  
March 30, 2022  
9:00am to 5:00pm

**Venue**  
Prof SRK Seminar Hall, Department of  
Production Technology, MIT Campus,  
Anna University, Chennai- 600044

**Organized by**  
MIT Meteorology Team (MIT Met)  
in association with  
Department of Production Technology,  
Department of Applied Science & Humanities



## Program Objective

The aim of this one-day workshop is to highlight the importance of climate change, disaster management, and to learn the research methodology in weather science. The workshop focuses on the various aspects of meteorology and disaster management.

In recent days, weather related disasters are increasing drastically due to climate change. Due to this, extreme weather events like heatwaves, cloudbursts, heavy rain, lightning, and thunderstorms etc. are increasing and are becoming the new normal.

As a result, common people especially farmers are directly affected resulting in loss of their livelihood. To tackle this we need more studies in Meteorology and Disaster Management to increase the accuracy in weather predictions, reduce the loss of lives and livelihoods due to disasters. This workshop will create an awareness to the participants to lead their lives safely and securely.



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registration :

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## About Anna University

Anna University was established on 4th September, 1978 as an unitary type of university. It offers higher education in Engineering, Technology, Architecture and Planning and Applied Sciences relevant to the current and projected needs of the society. Besides promoting research and disseminating knowledge, it fosters cooperation between the academic and industrial communities.

The University was formed by bringing together and integrating four well known technical institutions in the city of Madras (now Chennai) namely, College of Engineering Guindy(CEG) , Alagappa College of Technology (ACT), Madras Institute of Technology (MIT), School of Architecture & Planning (SAP).

In 2001, Anna University was converted to an affiliating type University by bringing together all the Engineering colleges in the State of Tamil Nadu and was again reconverted to an unitary type in 2010.

In 2012, Anna University yet again was converted to an affiliating type of university by bringing together all the Engineering Colleges in the State of Tamil Nadu under one umbrella to ensure uniform quality in engineering education. In addition to the above, 4 university Campuses (CEG/MIT/ACT/SAP), Anna University has 13 Constituent Colleges, 3 Regional Campuses and 504 Affiliated Colleges (Government, Government Aided and Self Financing Colleges).

## About MIT

In 1949, Shri.C.Rajam, gave the newly independent India-Madras Institute of Technology, so that MIT could establish the strong technical base it needed to take its place in the world. It was the rare genius and daring of its founder that made MIT offer courses like Aeronautical Engineering, Automobile Engineering, Electronics Engineering and Instrument Technology for the first time in our country. Now it also provides technical education in other engineering fields such as Rubber and Plastic Technology & Production Technology.

It was merged with Anna University in the year 1978. Sixty years hence, while it continues to be a pioneer in courses that it gave birth to, it is already renowned for producing the crème de la crème of the scientific community in more nascent courses such as Computer Science and Information Technology. MIT has produced great scientist like Dr.A.P.J.Abdul Kalam, versatile genius like Sujatha and many more.

The broad-based education, coupled with practice-oriented training in their speciality, has enabled the students of MIT to handle with skill and success a wide variety of technical problems. The Madras Institute of Technology has developed into an important centre of engineering education and earned an excellent reputation both in India and abroad.MIT had received many awards which includes an award for the Best Overall Performance, awarded by Indian Society of Technical Education (ISTE) during the year 1999.

## About MIT Met

MIT Meteorology Team (MIT Met) is a club inaugurated on 3rd April 2021. MIT Met, started by students and professors of MIT Campus, Anna University, aims to use “Engineering technologies and innovations” to develop the Meteorological field and help in Disaster Relief & Management. We are determined to make projects in the use of Engineering knowledge and skills in Meteorology, paper presentation, tie-up with IMD, and furthermore, help IMD by providing technical support. We look forward to producing high-quality and cost-effective disaster relief and management products. Ultimately, aid startups involving meteorology.

### Chief Patron

**Prof. R. Velraj**  
Vice-Chancellor  
Anna University

### Patron

**Prof. G. Ravikumar**  
Registrar  
Anna University

### Chief-Guest

**Prof. A. Ramachandran**  
Emeritus Professor for Centre for Climate Change & Disaster Management, Anna University

### Vice-Patron

**Prof. J. Prakash**  
Dean,  
MIT Campus,  
Anna University

## Convenors

**Dr .K.M. Veerabadrán** (Mentor of MIT Met),  
Assistant Professor (Sr. Gr) , Department of  
Applied Science & Humanities, Chemistry,  
MIT Campus, Anna University

### Prof. A. Siddharthan

Head Of the Department, Production Technology,  
MIT Campus,  
Anna University

### Prof. V. Ponnusamy

Head Of the Department,  
Applied Science & Humanities  
MIT Campus  
Anna University

## MIT Met Office Bearers

Mr. Akshit Kataria (Chairman)  
Mr. Anush Raghuraman (Coordinator)  
Mr. Ajay Krishnan (Technical Head)  
Mr. Balachandar. G (Social Media Manager)  
Mr. Suriya. N (Treasurer)

## Plenary Speaker

**Mr.K.S. Hosalikar**, Head Climate Research and  
Services (CRS) , Indian Meteorological  
Department (IMD) Pune, Ministry of Earth  
Sciences

## Invited Speakers

**Dr.S. Balachandran**, Head Regional  
Meteorological Centre (RMC), Chennai

**Prof. Sridhar Balasubramanian**, Department of  
Mechanical Engineering, Member of IDP Climate  
Studies, IIT Bombay

### Prof. Kurian Joseph

Director of Centre for Climate Change and  
Disaster Management, Anna University

# **INAUGURATION**

**MIT Meteorology Team**

Cordially invites you to the Inauguration of

One day workshop on

**Meteorology and Disaster Management**

on 30th March 2022 at 9.30 am

**Venue:** Prof SRK Seminar Hall

Department of Production Technology

MIT Campus Anna University

**Inaugural Address by:**

**Prof. A. Ramachandran**

Emeritus Professor of Center for Climate change  
& Disaster management, Anna University

# Inauguration Programme

Invocation

Welcome Address

**Prof. A. Siddharthan**

Convenor, Head of Production Technology Department

About the Workshop

**Mr. Anush Raghuraman**

Student Coordinator, MIT Met

Presidential Address

**Prof. J. Prakash**

Dean MIT Campus, Anna University

Introduction of Chief Guest

**Prof. V. Ponnusamy,**

Convenor-MIT Campus

Inaugural Address

**Prof. A. Ramachandran**

Emeritus Professor

Vote of Thanks

**Mr. Akshit Kataria**

Chairman, MIT Met

National Anthem

# Programme Schedule

8:30 AM- Registration

9:30 AM (**Session 1**)- Inauguration by- **Prof. A.Ramachandran**

9:45 AM (**Session 2**)- Early weather warning for disaster management by **Dr.S. Balachandran**

10:45 AM- Tea Break

11:00 AM (**Session 3**)- Summer Outlook 2022 by **Mr.K.S. Hosalikar**

12:00 PM (**Session 4**)- Climate actions for Disaster Management by **Prof. Kurian Joseph**

1:00 PM- Lunch Break

2:00 PM (**Session 5**) - Role of Engineers in Mitigation of Disasters by **MIT Met Members**

3:00 PM (**Session 6**)- Weather Dynamics and Climate Science: Opportunities for Young Researchers by **Prof. Sridhar Balasubramanian**

4:30pm- Valediction

# Validection Programme

Felicitation of **Prof. T. Thyagarajan**, Former Dean, MIT Campus by **Prof. J. Prakash**, Dean, MIT Campus

Invocation

Welcome Address

**Prof. A. Siddharthan**

Convenor, Head of Production Technology Department

Summary of the Workshop

**Dr. K.M. Veerabadran**

Mentor - MIT Met

Presidential Address

**Prof. J. Prakash**

Dean MIT Campus, Anna University

Vote of Thanks

**Mr. Anush Raghuraman**

Student Coordinator - MIT Met

National Anthem