



Malnad College of Engineering Hassan

(An Autonomous Institution under VTU-Belagavi)
(Approved by AICTE and Accredited by NAAC and
NBA - CE, ME, EEE, ECE, ISE & CSE)

One week
Faculty Development Program

On

**Recent Advances and Emerging
Technologies in Engineering and
Applied Sciences**

From

18th – 23th August 2025

Organized By:

**Department of Mathematics
MCE, Hassan**



Chief Patrons:

Shri. R T Dyavegowda

Chairman, MTES®, Hassan

Shri. C R Jagadeesha

Secretary, MTES®, Hassan

Shri. H D Parswanath

Treasurer, MTES®, Hassan

Shri. Arjun Gurudev

Vice-Chairman, MCE, Hassan

Patrons:

Dr. A J Krishnaiah

Principal, MCE, Hassan

Dr. S Pradeep

Director, MCE, Hassan.

Convener:

Dr. Kalavathi G K,

Professor & Head,

Department of Mathematics, MCE, Hassan.

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Coordinators:

Mrs. Chaithra C M

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ABOUT COLLEGE:

Malnad College of Engineering (MCE), Hassan, established in 1960, is an autonomous institution affiliated with VTU. Founded through a joint venture by the Government of India, Government of Karnataka, and Malnad Technical Education Society, it is one of India's reputed engineering colleges. It received the ISTE Best Engineering College Award in 2007. MCE is located on NH-75 between Bengaluru and Mangaluru. The 41.28-acre campus offers 09 - B.E., 04- M.Tech., MCA, M.Sc. (Engg.) by Research, and Ph.D. programs. The Training and Placement center in the college trains and assists the students in securing employment in reputed companies like Tata Consultancy, Infosys, Wipro, L&T, BEL, Fichtner, Builders' Association of India etc.,

ABOUT DEPARTMENT:

The Department of Mathematics at Malnad College of Engineering, Hassan, provides a strong foundation in mathematical concepts for all engineering branches. With experienced faculty, the department supports teaching, research, and interdisciplinary learning in areas like applied mathematics, numerical methods, and optimization. It focuses on enhancing students' analytical and problem-solving skills, preparing them for research and higher studies.

Vision and Mission

Vision: To be an institute of excellence in engineering education and research, producing socially responsible professionals.

Mission:

- Create conducive for learning and research.
- Establish industry and academia collaborations.
- Ensure Professional and ethical values in all individual endeavors.

ABOUT PROGRAM:

This FDP helps faculty and researchers learn key topics like mathematics, AI, machine learning, data science, and engineering tools. Experts will deliver sessions on theory and practical applications. It aims to improve teaching, research skills and understanding of modern technologies in various engineering and science fields.

COURSE CONTENTS:

1. Linear Algebra, Statistics, Probability and Optimization.
2. Fundamental and Applications of AI.
3. Mathematical Foundation for ML.
4. Research Methodology.
5. Differential Equations and Modeling.
6. Solid Mechanics.
7. Nanotechnology in Engineering Innovation.
8. Data Science and Computational Technique.

RESOURCE PERSONS:

1. Dr. Ashok Rao, IISC, Bangalore.
2. Dr. Arulalan Rajan, IISC, Bangalore.
3. Dr. Dinesh P A, MSRIT, Bangalore.
4. Dr. Mani Sankar, UTAS-Ibri, Oman
5. Dr. Gireesha B.J,Professor,
Kuvempu University, Shivamoga.
6. Dr.Prasanna Kumar B.C,Professor
Davangere University, Davangere.

Scan to Register:



Important Dates:

FDP Dates: 18th – 23th August 2025

Deadline of Registration: 14th August 2025

Registration Fee:

Faculty: Rs.1000.00

Research Scholars: Rs.500.00

PG students: NIL

Online Transfer Details:

Name: The Principal

Malnad College of Engineering, Hassan

A/C No: 14053070001574

Bank: Canara Bank, MCE Branch, Hassan

IFSC Code: CNRB0011405

For More information Contact:

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Registration Form

Recent Advances and Emerging Technologies in Engineering and Applied Sciences

From: 18th – 23th August 2025

1. Name:
2. Designation:
3. Department:
4. College Name:
6. Email Id:
7. Mobile No:

Will be permitted to attend the above course organized by Malnad College of engineering, Hassan from 18th to 23rd August 2025.

Declaration by the Applicant:

I agree to abide the rules and regulations of the FDP and attend all the sessions' compulsory.

Date:

Signature of the Applicant

Recommended and Forwarded:

Sign of HOD/Head of the Institution