



MALAVIYA MISSION TEACHER TRAINING CENTRE INDIAN INSTITUTE OF TECHNOLOGY MANDI



Starting Date: 28th September 2026
Ending Date: 12th October 2026
Last Application Date: 21st September 2026



Refresher Course on Control Engineering For The Future: IoT, Robotics & Beyond

Mode	Duration	Organizer
Online	12 Day	IIT Mandi

About The Course –

Control engineering is undergoing a paradigm shift with the rapid advancement of the Internet of Things (IoT), robotics, artificial intelligence (AI), cyber-physical systems, and Industry 4.0 technologies. This Refresher Course aims to equip faculty members, researchers, and professionals with contemporary knowledge and emerging trends in control engineering. The course will cover recent advances in intelligent control, IoT-enabled automation, autonomous and collaborative robotics, digital twins, networked control systems, edge and cloud computing, and data-driven control methodologies. It will also highlight the integration of AI and machine learning with classical control techniques to develop adaptive, resilient, and efficient engineering systems. Through expert lectures, case studies, and discussions on real-world applications, participants will gain insights into current research directions, industrial practices, and future challenges in intelligent automation and connected control systems. The course will provide a platform for updating technical expertise, fostering interdisciplinary collaboration, and exploring innovative teaching and research opportunities in next-generation control engineering.

Participants Eligibility Criteria –

1. Faculty members working in universities and colleges that are included under Section 2(f) of the UGC Act. The teachers of colleges that do not yet come within the purview of Section 2(f), but have been affiliated to a university for at least three years, will be permitted to participate in the courses. These conditions are applicable only for Residential Training Programmes/Courses
2. For the Refresher course, participation in the **FIP is a prerequisite for admission**. The teacher may opt for a refresher course after a one-year gap following FIP. For residential RCs, there should be a minimum gap of one year between two refresher courses, though it maybe relaxed if an adequate number of participants are not available, or it is essential for the teacher to fulfill eligibility conditions for career advancement as prescribed by UGC from time-to-time.

Salient Features of the Course –

1. The Refresher course will be of **12 working days and 72 contact hours (six hours a day, six days a week)**.

2. The course will comprise **48 expert lectures**, along with discussions, illustrative sessions and academic interactions.
3. Participant evaluation will be conducted through MCQ-based assessments and presentations.
4. A Certificate will be issued to those who have attended all the sessions and have qualified the Assessment examination.

Important Dates –

Starting Date	Ending Date	Application Deadline Date
28 th September 2026	12 th October 2026	21 st September 2026

NOTE –

1. No Registration Fees.
2. Fill the NOC in the prescribed format.
3. Attendance is mandatory in all the sessions.

Course Coordinator-

Prof. Akhilanand Pati Tiwari

Visiting Professor, School of Computing & Electrical Engineering, IIT Mandi.

Contact Mail  – akhilanand@iitmandi.ac.in

Programme Director-

Prof. Atul Dhar

MMTTC, Indian Institute of Technology Mandi (H.P)

MMTTC Contact Details-

Contact Mail  – pammttp@iitmandi.ac.in

Registration Links –

MMTTP Website: [Link](#)

Step by Step Process: [Link](#)

Noc Format: [Link](#)