



Five Day National Level Online Faculty Development Program on



Advanced Optimization Techniques for Engineering Research and Data Analysis

12th to 16th October 2026

Organized by

MAEER's MIT College of Railway Engineering & Research (MITCORER), Barshi, MH, India

In Association with

Institution of Engineers (India) Local Solapur Centre

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Co-Convener

Dr. Pravin Madane

Head, First Year Engineering Department, MITCORER

Dr. Shudhodhan Bokefode

Head, AIDS Department, MITCORER

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Prof. Somnath Mule (Asst. Prof., CSE Dept.)

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About Institute

MIT College of Railway Engineering and Research (MITCORER), Barshi, established by the MIT Group, offers a railway-focused curriculum with practical, real-world learning. The institute has six engineering branches. The college emphasizes experiential learning through projects, internships, interactive classes and strong industry connections. With state-of-the-art facilities and strong industries, it aims to create future leaders in Railway Technology and industries.

About FDP

The program aims to inculcate knowledge of advanced computational intelligence and optimization techniques among faculty members and research scholars of various disciplines that will help them in their research. This FDP will cover fundamental concepts, recent advancements, applications, and research opportunities in computational intelligence and optimization techniques.

Key Highlights Genetic Algorithm (GA) | Artificial Neural Networks and Applications | Fuzzy Logic Systems | Multi-Criteria Decision-Making (MCDM) | Swarm Optimization: ACO & PSO

Registration fee is Rs. 100/-

Scan To Pay registration fee



SUJIT SURESH PAWAR

<https://bit.ly/mitcorerfdp26>

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**For participants from Academic/ Industry/ Research Scholars/
Students (Diploma, UG, PG)**

Website: <https://www.mitcorer.edu.in>

FDP Schedule

Day & Date

10:00 AM to 12:00 PM

03:00 PM to 05:00 PM

Day 1

12 Oct. 2026

Monday



Dr. Neeraj Sharma
Asso. Prof., Production Engg. NIT Agartala

Hybrid Optimization using Statistics & AI



Dr Shudhodhan Bokefode
Head, AIDS Dept, MITCORER Barshi

Fundamentals of Generative AI & Prompt Engg.

Day 2

13 Oct. 2026

Tuesday



Dr. Suhas Sarje
Prof. Mechanical Engg., JSPM's JSCOE Hadapsar, Pune

**Optimization & Decision making Techniques:
The AHP**



Dr. Ankush Pawar
Asso. Prof., CSE, Kalsekar College of Engg., Panvel

**Artificial Neural Networks & Applications in
Prediction & Data Analysis**

Day 3

14 Oct. 2026

Wednesday



Dr. J. S. Awate
Asst. Prof., ETC, RIT Islampur

Fuzzy Logic Systems & Applications



Dr. Sachin Gade
Asst. Prof. ETC, MITCORER, Barshi

Genetic Algorithm & Applications

Day 4

15 Oct. 2026

Thursday



Dr. Ashish Soni
Asst. Prof., Center for Additive Manufacturing, CIT, Chennai

MCDM Techniques in Crisp & Fuzzy Nature



Dr. Jahier Abbas Shaaikh
Head, Robotics & Automation, WCE Sangli

Multi-Criteria Decision-Making & Applications

Day 5

16 Oct. 2026

Friday



Dr. Ujwala Vishwajit Gaikwad
Asst. Prof., CSE, TEC Nerul Navi Mumbai

**Ant Colony Optimization, Swarm Particle
Optimization & its Applications**



Dr. Pravin Madane
Head, First Year Dept., MITCORER Barshi

Hybrid Optimization using ANN & Fuzzy