



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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Head, Mechanical Engineering Department, MITCORER

Co-Convener

Dr. Pravin Madane

Head, First Year Engineering Department, MITCORER

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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

Contact

Name: Dr. Sanjay Mane

Email: sanjay.mane@mitcorer.edu.in

Phone: +91-8999044605

Name: Dr. Pravin Madane

Email: hod.fe@mitcorer.edu.in

Phone: +91-8208053250

**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