



ज्ञान-विज्ञान विमुक्तये

Sponsored by
University Grants Commission



Organized by

UGC – Malaviya Mission Teacher
Training Centre, Jawaharlal Nehru
Technological University Hyderabad,
Kukatpally, Hyderabad, Telangana.

About UGC-MMTTC, JNTUH:

UGC-Malaviya Mission Teacher Training Centre (Formerly known as UGC-Human Resource Development Centre), Jawaharlal Nehru Technological University Hyderabad was established in the year 2000 and sponsored by University Grants Commission, New Delhi. The Malaviya Mission Teacher Training Centre of JNTUH organizes UGC sanctioned programme viz., Faculty Induction Programme, Orientation programme, Refresher Courses, Short Term Training programme, NEP Orientation & Sensitization programme and Workshops and AICTE sponsored STTP programme and Faculty Development programme, Outreach programme and other Self-Financing programme on thrust areas for in-service teachers and also for newly appointed teaching faculty on a regular basis, to update the knowledge and skills in their respective fields.

During the current academic year, One Week Online Short-Term Course on “Advanced Optimization Techniques for Engineers” is proposed to be organized by UGC-MMTTC, JNTUH during 08-06-2026 to 15-06-2026, in Online Mode.

NO REGISTRATION FEE

Certificate will be issued to the participants on successful completion of the course.

Major Course Contents:

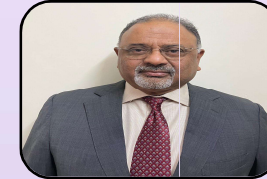
- Engineering Beyond Boundaries: ANSYS-Driven Design, Simulation and Optimization
- Advanced Cooling Architectures: CFD Analysis and Optimization of PCM-Integrated Systems
- Fundamentals of optimization
- Linear and non-linear programming
- Renewable Energy Systems and Hybrid Technologies: Tools for Modeling, Simulation, and Optimization
- Next-Generation Manufacturing: Robotics, Digitalization and Optimization for Industry 5.0
- Integer and mixed integer programming
- Optimization Tool in Engine Operation
- Optimization Tool in Bioenergy
- Optimization under uncertainty
- Optimization Tool in Biofuel Production
- Life Cycle Analysis in Engineering Applications.

One Week Online Short-Term Course on “Advanced Optimization Techniques for Engineers”

08-06-2026 to 15-06-2026

Sponsored by
University Grants Commission

CHIEF PATRON



Prof. T. Kishen Kumar Reddy
Hon'ble Vice-Chancellor
JNTUH, Hyderabad

PATRON



Dr. K. Vijaya Kumar Reddy
Rector, JNTUH
Hyderabad, T.S

PATRON



Dr. Venkateswara Rao
Registrar, JNTUH
Hyderabad, T.S.

CONVENER



Dr. M. Sushama
Director (I/c), UGC MMTTC,
JNTUH, Hyderabad, T.S.

COORDINATOR



Dr. M. Indira Rani
Professor of ME
JNTUH UCESH

Eligibility:

- The faculty members from the departments of ME, CSE, IT, Computational Linguistics, EEE, ECE, AIML, Data Science, Cyber Security, and related disciplines working in Universities and Colleges.
- The faculty members have to be sponsored by the concerned Principal of the College/Head of the Institution for considering the participation in the Programme.

How to apply:

- The faculty members desirous to participate in the program are requested to register their details through online mode at <https://jntuhhrdc.in/delegate-registration> on or before 6th June 2026.
- Login to UGC HRDC Portal and register as participant by visiting: <https://jntuhhrdc.in/delegate-registration>
A filled-inform of application duly signed by the faculty member and forwarded by the Head of the Institution on the letter of Institution, should be uploaded in HRDC <https://jntuhhrdc.in/delegate-registration> portal on or before the last date.

Confirmation by Participants:

- Confirmation by Participants is a must, as per the date specified overleaf. If the confirmed number of participants is less than 40, the course may be re-scheduled.

Resource Persons:

- Resource Persons are drawn from Different IITs, NITs, Universities, Institutes, Industries and R&D establishments.

Selection Criteria:

- Selection will be done based on *first-come-first-serve basis* to a maximum number of 40. The list of selected participants will be intimated through E-mail.

Important Dates:

Last date for the receipt of application through online: **26th May, 2026**

Intimation of selection to the participants through e-mail: **6th June, 2026**

Course duration: **08-06-2026 to 15-06-2026**

Course Timings: **10.00 AM to 1.15 PM & 2.00 PM to 5.15 PM**

Address for all Correspondence

Dr. M. Sushama

**Senior Professor, Dept. of EEE & Director (I/c)
UGC-Malaviya Mission Teacher Training Centre
Jawaharlal Nehru Technological University
Hyderabad, Kukatpally, Hyderabad –
500085, Telangana.**

Please contact: 8008103814

**(All working days from 10.30 am to 5.00 pm only)
or directorhrdcjntuh@jntuh.ac.in for more
enquiries about the Short-Term Course**

Web: www.jntuhhrdc.in

Instructions to the Participants for attending the Course:

- Filling the registration form is mandatory.
- Attendance for all the sessions, Completion of activities, assignments and online/offline tests given by the Resource Persons are mandatory.
- All sessions conducted to be attended offline in person.
- Limited seats are available on a First-Come-First-Serve basis.
- During the course, each teacher-participant will be required to work on a mini-Project/seminar on important topics related to the theme of this course.
- There will be an assessment test in the form of MCQ's. A certificate will be issued to those who have successfully attended the offline programme and qualified the assessment test.
- **Bring your own Laptops for daily hands-on sessions**