



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 programmes viz., Faculty Induction Programmes, Orientation Programmes, Refresher Courses, Short Term Training Programmes, NEP Orientation & Sensitization Programmes and Workshops and AICTE sponsored STTP programmes and Faculty Development Programmes, Outreach Programmes and other Self-Financing Programmes 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 a Two Week Online Refresher Course on “Advances in Thermal Engineering and their Applications” is proposed to be organized by UGC-MMTTC, JNTUH during 20-01-2025 to 01-02-2025, through ONLINE.

### NO REGISTRASTION FEE

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

### Major Course Contents:

- Thermodynamics & Fluid Mechanics
- Inverse methods in heat transfer
- Numerical Simulation of Flow and Heat Transfer using finite Volume Method
- Fuel cell technology and its Integrations Hydrogen Energy Production, Method, and Storage
- Data driven methods for fluid flow
- Hybrid Energy System & its Application in Vehicle Technology
- Thermal Management of Electronic device
- Passive Radioactive Cooling Technology for Energy Efficient Thermal Management
- CFD Modeling of micro and Macro Systems

## Two -Week Online Refresher Course on “Advances in Thermal Engineering and their Applications”

20-01-2025 to 01-02-2025

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University Grants Commission

### CHIEF PATRON



Prof. V. Bala Kista Reddy  
Hon'ble Vice-Chancellor (I/c)  
JNTUH, Hyderabad

### PATRON



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

### PATRON



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

### CONVENER



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

### COORDINATOR



Dr. S. Naga Sarada  
Professor, Dept. of Mechanical Engineering,  
JNTUH, Hyderabad, T.S.

### Eligibility:

- The faculty members from the departments of Mechanical Engineering, Civil Engineering, Metallurgical Engineering, Chemical Engineering, Aeronautical Engineering 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 17th January 2025.
- 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. And letter of forwarding from the Head of the 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 60, the course may be re-scheduled.

### Resource Persons:

- Resource persons are drawn from different Universities, Institutions, IITs and R&D establishments.

### Selection Criteria:

- Selection will be done based on *first-come-first-serve basis* to a maximum number of 80. The list of selected participants will be intimated through E-mail.

### Important Dates:

Last date for the receipt of application through online: **17<sup>th</sup> January**

Intimation of selection to the participants through e-mail: 18<sup>th</sup> January

Course duration: **20-01-2025 to 01-02-2025**

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

*Address for all Correspondence*

**Dr. M. Sushama**

**Professor, Dept. of EEE & Director (I/c)**

**UGC-Malaviya Mission Teacher Training Centre**

**Jawaharlal Nehru Technological University**

**Hyderabad, Kukatpally, Hyderabad –**

**500 085, Telangana.**

**Please contact: 8008103814**

**(All working days from 10.30 am to 5.00 pm only)**

**or [directorhrdcjntuh@jntuh.ac.in](mailto:directorhrdcjntuh@jntuh.ac.in) for more**

**enquiries about the Short Term Course**

**Web: [www.jntuhhrdc.in](http://www.jntuhhrdc.in)**

### Instructions to the Participants for Online Course:

- Filling the registration form is mandatory.
- Attendance for all the sessions, Completion of activities, assignments and online tests given by the Resource Persons are mandatory.
- All sessions will be conducted in Google Meet.
- Link will be provided a day in advance.
- 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 important topics related to the theme of this course
- There will be an online assessment test in the form of MCQ's. An online certificate will be issued to those who have successfully attended the 12 days programme and qualified the assessment test.