



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 Short Term Course on “Green Hydrogen Generation, Storage Technologies and Applications” is proposed to be organized by UGC-MMTTC, JNTUH during 27-07-2026 to 01-08-2026, in **Online Mode**.

NO REGISTRATION FEE

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

Major Course Contents:

- Introduction to Green Hydrogen Economy
- Fundamentals of Water Electrolysis and Types of Electrolyzers
- Electrolyzer Power Requirements and Converter Design
- Role of Power Electronics in Green Hydrogen Systems
- Introduction to MATLAB/Simulink for Hydrogen Energy Systems
- MATLAB-Based Modeling and Control of Hydrogen Systems
- Control Objectives for Electrolyzer Power Supplies
- Controller Design Using MATLAB
- Hydrogen Storage Technologies and Applications
- Modeling and Analysis of Hydrogen Storage Systems
- Applications of Green Hydrogen and System Integration
- Advanced Green Hydrogen Systems
- Safety, Standards, and Best Practices
- Research Directions, Industry Practices, and Funding Opportunities
- Faculty Role in Green Hydrogen Education and Research.

One Week Short Term Course on “Green Hydrogen Generation, Storage Technologies and Applications” (Online Mode)

27-07-2026 to 01-08-2026

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University Grants Commission

CHIEF PATRON



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

PATRON



Dr. A. Damodaram
Rector, JNTUH
Hyderabad, T.S

PATRON



Dr. A. Jaya Laxmi
Registrar, JNTUH
Hyderabad, T.S.

CONVENER



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

COORDINATORS



Dr. A. Raghu Ram
Professor of EEE &
Vice-Principal, JNTUH UCETH



Dr. A. Giri Prasad
Sr. Asst. Professor of EEE
VNR VJIET

Eligibility:

- The faculty members from the departments of Electrical and Electronics Engineering, Physics, Chemistry, ECE, EIE 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 23rd July 2026**.
- Login to UGC HRDC Portal and register as participant by visiting: <https://jntuhhrdc.in/delegate-registration>
A filled-in form 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 Universities, Institutions and 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: **23rd July, 2026**

Intimation of selection to the participants through e-mail: **24th July, 2026**

Course duration: **27-07-2026 to 01-08-2026**

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 out the registration form is mandatory.
- A minimum of **90% attendance is compulsory as per UGC-MMTTC guidelines**.
- Participants must attend all sessions and complete all activities, assignments, and online tests assigned by the resource persons.
- Assignments and feedback must be submitted regularly within the stipulated timelines.
- All sessions will be conducted through Google Meet.
- The meeting link will be shared one day in advance.
- Seats are limited and will be allotted on a first-come, first-served basis.
- An assessment test consisting of multiple-choice questions (MCQs) will be conducted at the end of the programme.
- Certificates will be awarded only to participants who fulfill the attendance requirement, successfully complete all course requirements, and qualify in the assessment test.