



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 “AI-driven, Green & Smart Design Nanotech: Next-Gen Pharma” is proposed to be organized by UGC-MMTTC, JNTUH during 15-09-2026 to 21-09-2026, in **Online Mode**.

NO REGISTRATION FEE

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

Major Course Contents:

- AI Driven biomarker discovery and Drug Development: From multi-omics Data to Precision Therapeutics
- Designing Nanoparticles for Targeted Drug Delivery: Role of Molecular Dynamics Simulation Techniques and Machine Learning Tools
- Nanomaterials-Based Sensors for Screening of Different Diseases
- Green Nano manufacturing 4.0: Reducing the Carbon Footprint of Drug Discovery through AI Optimization
- Sustainable Technologies and green chemistry in next Gen Pharma
- Precision medicine: AI combined with nano carriers
- Pharmaceutical analysis and Quality control: AI assisted analytical methods can improve quality assessment and process monitoring
- Sustainable health care: development of safer pharmaceutical products through AI

One Week Short Term Course on “AI-driven, Green & Smart Design Nanotech: Next-Gen Pharma” (Online Mode)

15-09-2026 to 21-09-2026

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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 MMTC
JNTUH, Hyderabad, T.S.

COORDINATORS



Dr. M. Ajitha
Professor, CPS
JNTUH UCESTH



Dr. Ch. Shilpa Chakra
Asst. Prof., CNST
JNTUH UCESTH

Eligibility:

- The faculty members from the Department of Pharmacy, Biotechnology, Nanotechnology, Electronics, Computer Science, Chemical Engineering, Chemistry, Biochemistry and Faculty who are qualified to teach Smart Design and AI in Nano-Pharma course.
- 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 11th September 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

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 60. The list of selected participants will be intimated through E-mail.

Important Dates:

Last date for the receipt of application through online: **10th September, 2026**

Intimation of selection to the participants through e-mail: **11th September, 2026**

Course duration: **15-09-2026 to 21-09-2026**

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)
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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.