



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 “Applied Generative AI: Innovation with Responsibility” is proposed to be organized by UGC-MMTTC, JNTUH during 01-10-2026 to 16-10-2026, through ONLINE.

NO REGISTRATION FEE

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

Major Course Contents:

- **GenAI & LLM Architecture:** Core foundations of transformer models, tokenization, embedding, and vector spaces.
- **Advanced Prompt Engineering:** Programmatic prompt design, zero/few-shot learning, and optimization techniques.
- **Academic & Text Analytics:** AI applications for automated summarization, educational design, and research.
- **Multimodal Media Studio:** Workflows for text-to-image, audio, and video synthesis for creative design.
- **RAG System Engineering:** Building knowledge-grounded QA systems using vector databases and external data.
- **Autonomous AI Agents:** Designing self-directing agents with multi-turn memory and tool utilization.
- **Workflow & API Automation:** Integrating LLMs with external APIs, relational databases, and enterprise systems.
- **Local Model Deployment:** Hosting, adapting, and fine-tuning open-source LLMs on local infrastructure.
- **Trust, Safety & Governance:** Mitigating hallucinations, conducting adversarial red-teaming, and managing data risks.
- **Production-Grade Scaling:** Evaluating performance metrics to transition AI prototypes into secure pilots.
- **Cross-Industry Deployments:** Sector-specific case studies across healthcare, banking, finance, and manufacturing.
- **Institutional AI Leadership:** Frameworks for university-wide AI policy design and GenAI-integrated curricula.

Two -Week Online Refresher Course on

“Applied Generative AI: Innovation with Responsibility”

01-10-2026 to 16-10-2026

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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, UGC MMTTC,
JNTUH, Hyderabad, T.S.

COORDINATORS



Dr. OBV Ramanaiah
Senior Professor of CSE,
JNTUH UCESTH



Dr. M. Rama Bai
Professor of Emerging Tech.
MGIT, Hyderabad

Eligibility:

- The faculty members from the departments of CSE, IT, EEE, ECE, ME, AIML, Data Science, Cyber Security and related disciplines and interested in applying generative AI to teaching, research 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 29th 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. 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, Industry, IITs, NITs, IIITs 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: **29th September 2026**

Intimation of selection to the participants through e-mail: **30th September 2026**

Course duration: **01-10-2026 to 16-10-2026**

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
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 Refresher Course

Web: www.jntuhhrdc.in

Instructions to the Participants for attending the Course:

- Filling out the registration form is mandatory.
- A minimum of **70% 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.
- During the course, each teacher participant will be required to work on a mini Project important topics related to the theme of this course
- 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.