



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 One Week Online Short Term Course on “**QUANTUM COMPUTING**” is proposed to be organized by UGC-MMTTC, JNTUH during 04-08-2025 to 20-08-2025, through ONLINE.

NO REGISTRASTION FEE

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

Major Course Contents:

- ✓ Fundamentals of Quantum Computing.
- ✓ Mathematical Foundations for Quantum Systems.
- ✓ Quantum Logic Gates and Circuits.
- ✓ Quantum Algorithms (Grover’s, Shor’s, Deutsch-Jozsa).
- ✓ Introduction to Quantum Programming Tools.
- ✓ Quantum Programming using Qiskit and Google Cirq platforms.
- ✓ Quantum Teleportation and Cryptography.
- ✓ Quantum Error Correction Techniques.
- ✓ Quantum Machine Learning Basics
- ✓ Exploration of hybrid models like Quantum SVMs and Quantum Neural Networks.
- ✓ Basics of Quantum simulation and Cloud Platforms.
- ✓ Applications of Quantum Computing.
- ✓ Research Trends and Career Opportunities in Quantum Computing.

One -Week Online Short Term Course on “QUANTUM COMPUTING”

24-11-2025 to 29-11-2025

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

CONVENER



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

COORDINATORS



Dr. B. Sateesh Kumar
Professor of CSE & Head,
JNTUH UCEJ, Jagtial, T.S.



Dr. Uma Rani Vanamala
Professor in CSE & Head
Dept. of IT, JNTUH UCETH
Hyderabad, T.S.

Eligibility:

- The faculty members from the departments of CSE, IT, **Computational Linguistics**, EEE, ECE, ME, AIML, **Data Science**, **Cyber Security**, **Mathematics** 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 20th November 2025**.
- 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, 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 80. The list of selected participants will be intimated through E-mail.

Important Dates:

Last date for the receipt of application through online: **20th November**

Intimation of selection to the participants through e-mail: **21st November**

Course duration: **24-11-2025 to 29-11-2025**

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 for more
enquiries about the Short Term Course**

Web: 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 6 days programme and qualified the assessment test.