



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 “Computational Mathematics” is proposed to be organized by UGC-MMTTC, JNTUH during 01-06-2026 to 06-06-2026, in OFFLINE (Residential) Mode.

NO REGISTRATION FEE

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

NOTE: OFFLINE MODE

TA/DA will be borne by participants only.
JNTUH Guest House accommodation may be provided on a paid basis

Major Course Contents:

- Eigen Values & Eigen Vectors
- Algebraic & Transcendental Equations
- Linear System of Equations
- Exact & Non-Exact First-Order ODEs
- ODE Applications + Unit V (Part 1): Higher-Order ODEs Theory & Homogeneous
- Non-Homogeneous ODEs
- Concept of Eigen values and Eigen vectors; geometric meaning
- Python (NumPy, SymPy, Matplotlib) and MATLAB environment setup verification
- Computing complex Eigen values; handling rotation matrices
- Bisection method: derivation from Intermediate Value Theorem
- Python implementation using numpy arrays — coded from scratch

One Week Short-Term Course on “Computational Mathematics” (Offline Mode)

01-06-2026 to 06-06-2026

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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. 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
JNTUH UCEJ



Dr. M N Raja Shekar
Professor & Head Dept. of
Mathematics, JNTUH UCEJ

Eligibility:

- The faculty members from the departments of Mathematics, CSE, IT, Computational Linguistics, ECE, AIML, Data Science, Cyber Security 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 28th May 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: **28th May, 2026**

Intimation of selection to the participants through e-mail: **29th May, 2026**

Course duration: **01-06-2026 to 06-06-2026**

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 the registration form is mandatory.
- Attendance for all the sessions, Completion of activities, assignments and online/offline tests given by the Resource Persons are mandatory.
- All sessions conducted to be attended offline in person.
- 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/seminar on important topics related to the theme of this course.
- There will be an assessment test in the form of MCQ's. A certificate will be issued to those who have successfully attended the offline programme and qualified the assessment test.
- **Bring your own Laptops for daily hands-on sessions.**