



**DIRECTORATE OF INNOVATIVE LEARNING AND TEACHING
(D I L T) JNTUH**

(Formerly (SCDE) SCHOOL OF CONTINUING & DISTANCE EDUCATION)

Organizes

Offers

One Month Online Certificate Course-2026

About DILT, JNTUH:

Provides in depth knowledge of the understanding of the technology to meet the industry requirements & helps in staying competitive.

Focused on job aspirants for the enhancement of employability opportunities for Graduates and also for working professionals by providing wide range of skills to deal with complex projects that help the individuals to quickly advance in their career.

Certificate Courses hold wide scope and better opportunities for faculty through the improvement of their teaching skills & knowledge in the upcoming areas.

Online Certificate Courses gives an opportunity to the students for credits transfer as per National Education Policy (NEP-2020).

The Virtual classes will be held during the evening hours for students & working professionals to comfortably attend the sessions.

The classes will be live interactive sessions handled by experts from reputed institutions like NIT, JNTU, IITs, HCU and Industry experts to impart theoretical knowledge along with hands on experience.



During the current academic year a One Month Online Course on “COMPUTATIONAL MATHEMATICS” is proposed to be organized by DILT, JNTUH during 06-07-2026 to 05-08-2026, through ONLINE.

Major Course Contents:

- Introduction to Python Programming
- Eigen Values & Eigen Vectors
- Algebraic & Transcendental Equations
- Linear System of Equations
- Exact & Non-Exact First-Order ODEs
- ODE Applications + 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

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**One Month Online Faculty Development
Programme on**

“COMPUTATIONAL MATHEMATICS”

06-07-2026 to 05-08-2026

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. JNTUH,

CONVENER



Dr. M. Sushama
Director (I/c), DILT,
Hyderabad, T.S.

COORDINATOR



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

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.

How to apply:

- The faculty members desirous to participate in the program are requested to register their details through online mode at <https://forms.gle/CdL9voJbNXHsUTX68> on or before 18th June 2026.

COURSE FEE:

- At the time of admission, the candidate has to pay Course fee of Rs.5,000/-(Five Thousand) Fee once paid will not be refunded under any circumstances, and Examination fee also included in course fee.

Account Details for Fee Payment:

Bank Name: SBI, JNTUH
Ac. No: 62079989206
IFSC Code: SBIN0021008

Confirmation by Participants:

- Confirmation by Participants is a must, as per the date specified overleaf. If the confirmed number of participants is less than 50, the course may be re-scheduled.
- Course is of 1 month duration.
- Each class is of 2 hours duration for theory and 1 hour duration for lab.
- The course will be initiated if the registered candidates are at least 50 in number.

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*.

Important Dates:

Last date for the receipt of application through online: **2nd July by 05:00 PM.**

Intimation of selection to the participants through e-mail: **4th July by 10:00 AM.**

Course duration: **06-07-2026 to 05-08-2026**

Course Timings: **06.00 PM to 09.00 PM**

Address for all Correspondence

Dr. M. Sushama

Professor, Dept. of EEE & Director (I/c)
Directorate of Innovative Learning and Teaching
Jawaharlal Nehru Technological University
Hyderabad, Kukatpally, Hyderabad, Telangana–
500085.

Contact: 9154251963

(All working days from 10.30 am to 5.00 pm only)
or e-mail: pa2scdedirector@gmail.com

For more enquiries about the Faculty Development
Programme
Web: www.jntuh.ac.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 and same link for all Sessions.
- 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 one-month programme and qualified the assessment test.

Class Work Timings:

6:00 PM to 8:00 PM (Theory)

8.00 PM to 9.00 PM (Practical)

(Through online mode only)