



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 “Deep Learning Techniques” is proposed to be organized by UGC-MMTTC, JNTUH during 10-02-2025 to 15-02-2025, through ONLINE.

### **NO REGISTRASTION FEE**

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

### **Major Course Contents:**

- Introduction to AI, Machine Learning, and Deep Learning
- Neural Networks and Back propagation
- Deep Learning Challenges and Optimization Techniques
- Regularization and Hyper parameter Tuning
- Convolution Neural Networks (CNNs) Fundamentals
- Popular CNN Architectures and Transfer Learning
- Recurrent Neural Networks (RNNs) and Sequence Data
- Advanced Recurrent Models: LSTM, GRU, and Transformers
- Generative Adversarial Networks (GANs) and Variation Auto encoders (VAEs)
- Deep Reinforcement Learning and Edge AI
- Ethics, Bias, and Responsible AI
- Research Trends and Future of Deep Learning

## **One -Week Online Short Term Course on “Deep Learning Techniques”**

**10-02-2025 to 15-02-2025**

**Sponsored by  
University Grants Commission**

### **CHIEF PATRON**



**Prof. V. Bala Kista Reddy**  
Hon'ble Vice-Chancellor (I/c)  
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.

### **COORDINATOR**



**Dr. B. Sateesh Kumar**  
Professor of CSE & Head,  
JNTUH UCEJ, Jagtial, 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 07th February 2025**.
- Login to UGC HRDC Portal and register as participant by visiting: <https://jntuhhrdc.in/delegate-registration>
- A filled-inform 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 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: **07<sup>th</sup> February**

Intimation of selection to the participants through

e-mail: **08<sup>th</sup> February**

Course duration: **10-02-2025 to 15-02-2025**

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](mailto:directorhrdcjntuh@jntuh.ac.in) for more**

**enquiries about the Short Term Course**

**Web: [www.jntuhhrdc.in](http://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.