

About JNTUA

Jawaharlal Nehru Technological University Anantapur (JNTUA) was established in 2008 by an Act of the Government of Andhra Pradesh with its headquarters at Ananthapuramu. The university plays a vital role in promoting quality technical education and research in the region. The JNTUA College of Engineering, Ananthapuramu, established in 1946, is the premier constituent college of the university.

The university is accredited with 'A' Grade by the National Assessment and Accreditation Council (NAAC) and recognized as an autonomous institution by the University Grants Commission (UGC). In the National Institutional Ranking Framework (NIRF) rankings of the Ministry of Education, Government of India, JNTUA is placed in the 151–200 band among universities.

To enhance faculty skills and research capabilities, JNTUA established the Faculty Development Centre in 2016, which organizes training programmes and faculty development initiatives for higher education institutions affiliated to JNTUA. The present programme is organised under the aegis of the Directorate of Faculty Development & Women Empowerment, JNTUA.

About PVKK Institute of Technology

PVKK Institute of Technology, Ananthapuramu (Institute ID: 3N) is approved by AICTE, New Delhi and affiliated to JNTUA, Ananthapuramu. The institution is accredited with 'A' Grade by NAAC and is recognized by UGC under Section 2(f). The Department of Computer Science and Engineering holds NBA accreditation and is actively engaged in research, curriculum development and faculty development activities. The institution is committed to imparting quality technical education with a strong emphasis on innovation, research and industry-academia collaboration, preparing graduates to meet the challenges of the rapidly evolving technology landscape.

About the Department

The Department of Computer Science and Engineering, PVKK Institute of Technology is NBA accredited and houses a JNTUA Research Centre. The department merges strong computer science fundamentals with emerging areas such as Artificial Intelligence, Machine Learning and Data Science. Through a dynamic curriculum, well-equipped laboratories and active research culture, the department equips students to analyze, interpret and harness the potential of data, nurturing the next generation of engineers and data scientists.

About Programme

The Faculty Development Programme on Artificial Intelligence and Machine Learning: Algorithms, Applications, and Hands-on Practice bridges the gap between theory and practice in modern

AI/ML. It introduces participants to the complete machine learning workflow – data preprocessing, feature engineering, model development, evaluation and deployment – using industry-standard tools such as Python, Scikit-learn, XGBoost/ LightGBM, TensorFlow/Keras and HuggingFace Transformers.

Each day combines expert-led theory sessions in the forenoon with guided hands-on laboratory practice in the afternoon. Through real-world datasets and case studies across eight structured lab sessions, participants build models for regression, classification, clustering, anomaly detection, image classification, time-series forecasting and text classification.

The programme also emphasizes curriculum integration and interdisciplinary collaboration, equipping faculty with the skills and confidence to embed AI/ML into teaching, student project guidance, research and data-driven decision-making.

Chief Patron

Sr. Prof. H. Sudarsana Rao

Hon'ble Vice Chancellor, JNTUA, Ananthapuramu.

Patron

Sr. Prof. S. Krishnaiah

Registrar, JNTUA, Ananthapuramu

Programme Director

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Director, Faculty Development & Women Empowerment, JNTUA, Ananthapuramu.

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Sri Balaji Educational Society, Anantapur.

Convener

Dr. Bandi Ramesh Babu

Principal,
PVKK Institute of Technology, Ananthapuramu.

Co-Convener

Dr. M. Mallikarjuna Rao

HoD of CSG

Dr. C. Manjunath

HoD of MCA

Programme Co-Ordinator

Dr. C. Veena, Asst. Professor,

Department of CSE, PVKK IT Ananthapuramu.

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Organizing Committee

Mrs. Y. Avanija Reddy, Deputy HoD, CSE

Dr. S. Sreenivasan, Convener, R&D Cell

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Mrs. L. Malleswari, Asst. Professor, CSE

Mrs. Sreedevi, Asst. Professor, CSE

Ms. Sreevani, Asst. Professor, CSE

Objectives of FDP

- ◆ To provide comprehensive knowledge of AI and ML algorithms, techniques and their practical applications in realworld engineering problems.
- ◆ To develop hands-on proficiency with industry-standard Python libraries including Scikit-learn, TensorFlow, Keras, XGBoost and LightGBM.
- ◆ To explore emerging research trends in deep learning, computer vision, NLP and intelligent systems.
- ◆ To equip participants with frameworks for integrating ML laboratory sessions into existing JNTUA courses and designing outcome-based assessments.

Outcomes of FDP

- ◆ Enhanced technical competence in classical and modern AI/ML algorithms and their applications.
- ◆ Ability to initiate interdisciplinary research leading to publications and research proposals.
- ◆ Effective integration of AI & ML concepts into curricula, workshops and student projects.
- ◆ Proficiency with Google Colab / Jupyter Notebook based ML pipelines on real-world datasets.
- ◆ Inter-institutional research collaborations among faculty of JNTUA-affiliated institutions

Resource Persons

Prof. Shaik Mahaboob Basha GITAM School of CSE, Hyderabad

Dr. K. Nagaraju CSE, IIITDM Kurnool

Dr. K. Krishna Naik ECE, IIITDM Kurnool

Dr. M. Naresh Babu CSE, IIITDM Kurnool

Dr. S. Kiran CSE, YSR Engg. College of Yogi Vemana University, Proddatur

Mr. K S K Rama Krishna Senior Trainers, Silicon Techno Solutions, Guntur.

Mr. M. Suresh Senior Trainers, Silicon Techno Solutions, Guntur.

Mr. M. Gowri Sankar Senior Trainers, Silicon Techno Solutions, Guntur.

Mr. Jessy Yadav Senior Trainers, Silicon Techno Solutions, Guntur.



FIVE-DAY FACULTY DEVELOPMENT PROGRAMME



on

“Artificial Intelligence and Machine Learning: Algorithms, Applications & Hands-on Practice”

Date: 22nd – 26th June 2026

Sponsored by

Jawaharlal Nehru Technological University Anantapur

Jointly Organised by

Dept. of Computer Science & Engineering

PVKK INSTITUTE OF TECHNOLOGY,

ANANTHAPURAMU – 515002

and

Directorate of Faculty Development and

Women Empowerment

JAWAHARLAL NEHRU TECHNOLOGICAL

UNIVERSITY ANANTAPUR,

ANANTHAPURAMU – 515002



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Instructions To Participants

The participant must be a teaching faculty from constituent and affiliated colleges of JNTUA, Ananthapuramu

Guidelines

- ◆ No Registration Fee ; selection on First-Come First-Serve basis.
- ◆ Programme is conducted in offline mode with hands-on laboratory sessions.
- ◆ Participant should maintain 100% Attendance.
- ◆ Certificates will be issued by JNTUA based on attendance and submission of feedback.
- ◆ Soft-copy course material will be provided to all participants.
- ◆ Accommodation will be provided to outstation participants on request.

Registration

To register for the FDP, scan the QR Code



<https://tinyurl.com/PVKKITREGISTRATIONLINK>

or contact the Programme Co-Ordinator

Dr. C. Veena · 8125233081

veenachinta@pvkkit.ac.in

No Objection Certificate Link :

<https://tinyurl.com/PVKKITCSEFDP>

Last Date for Applying FDP : 19.06.2026

Confirmation of Participation : 20.06.2026

Event Details

Mode of Conduct : Offline

Timing : 9:30 AM to 5:00 PM

Venue : Seminar Hall, Visvesvaraya Block, PVKK IT, Ananthapuramu