

About JNTUA:

The College of Engineering, Anantapur was started at Guindy, Madras in 1946 and shifted to Anantapur in 1948. The college was initially affiliated to Madras University during 1946–1955 and to Sri Venkateswara University, Tirupathi during 1955–1972. In 1972, by an Act of State Legislature, JNT University was established at Hyderabad and the College of Engineering, Anantapur went into the fold of JNTU. Later in the year 2008, by an Act of AP State Legislature, JNTU was trifurcated into three independent universities viz., JNTU, Hyderabad, JNTU, Kakinada and JNTU Anantapur. JNTU College of Engineering, Anantapur became a constituent college of JNTUA and was renamed as JNTUA College of Engineering, Anantapur. The JNTUA College of Engineering, Pulivendula, established in the year 2006 and Oil Technology Research Institute (OTRI), Anantapur, established in the year 1948 also became constituent units of JNTUA. A new constituent college JNTUA College of Engineering, Kalikiri established in 2013 also came under the fold of JNTUA. The OTRI was later renamed as Oil Technology and Pharmaceutical Research Institute (OTPRI), in 2016. In addition to the above four constituent colleges, the JNTUA has 98 Engineering Colleges, 33 Pharmacy Colleges and 29 stand-alone MBA/MCA colleges affiliated to it. Since its inception, JNTUA is committed to develop and nurture technological education and intends to produce technical manpower of high quality, comparable to the best in the world.

About the College:

Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal was inaugurated on 09.03.1996 by Late Sri P. V. Narasimha Rao, the former Prime Minister of India and Sri N. Chandrababu Naidu, the Current Chief Minister of Andhra Pradesh. It is the dedicated commitment and effort of our Chairman, the man with the vision “Vidyarathna” Dr. M. Santhi Ramudu, who started the institution with a motto “EDUCATION FOR PEACE”. The institute is one of the top engineering college of Andhra Pradesh. The institute has got permanent affiliation from JNTUA, Anantapuramu. It has been conferred Autonomous status by UGC in 2010 and has upgraded the curriculum and regulations as per the needs of the industry 4.0 and society from time to time. All the UG eligible Courses in the institute are accredited seven times by NBA Tier-I category. The institute has also got NAAC accreditation three times in the years 2012, 2017, & 2024 with A, A+, and A+ grades respectively. The institute has been accredited by TCS for placements and training. The institute was selected for the World Bank assisted TEQIP-1 for quality improvement. The institute is also ISO 9001-2015 certified.

Chief Patron

Sr. Prof. H. Sudarsana Rao

Hon'ble Vice-chancellor, JNTUA, Ananthapuramu

Patron

Sr. Prof. S. Krishnaiah

Registrar, JNTUA, Ananthapuramu

Programme Director

Sr. Prof. P. Sujatha

Director, Faculty Development & Women Empowerment

JNTUA, Ananthapuramu

Chair Person

Dr. M. Santhi Ramudu

Chairman, RGM Group of Institutions

Convener

Dr. T. Jaya Chandra Prasad

Principal, RGM CET, Nandyal

Co-convener

Dr. K. Thirupathi Reddy

HOD-ME, RGM CET

Programme Coordinator

Dr. Manoj Panchal

Asst. Professor, Dept. of ME

Co-Coordinator

Dr. Upendra Rajak

Asst. Professor, Dept. of ME

Organizing Committee

Dr. B. Sidda Reddy

Dr. Syed Altaf Hussain

Dr. V. Chandrasekhar

Dr. Sudha Madhuri

Dr. R. Hussain Vali

Dr. M. Venugopal Naidu

Dr. Syed Khalid Hussain

Dr. B. Chinna Ankanna

Mr. B. Suresh

Mr. T. John Babu

Mr. N. Upendra

Mr. G.V. Satyanarayana

Mr. B. Dinesh Babu

Mr. B. Veerendra

Mr. Y. Suresh Babu

Mr. M. Khaja Gulam Hussain

Mr. P.V. Jaya Sankar

Mr. G. Pandu Ranga Swamy

Mr. A. Gouse Peera



A Five Day Faculty Development Programme

On

“Applications of Machine Learning in Mechanical Systems”

11th-15th May 2026



Jointly Organized by

Department of Mechanical Engineering

Rajeev Gandhi Memorial College of Engineering and Technology

(AUTONOMOUS)

Nandyal, Andhra Pradesh, India

&

Directorate of Faculty Development & Women Empowerment

Jawaharlal Nehru Technological University Anantapur

Ananthapuramu-515002, Andhra Pradesh, India

About the ME Department:

The Department of Mechanical Engineering has been functioning since the inception of the Institute i.e, 1995 and is offering UG: B. Tech course in Mechanical Engineering with an intake of 120 & PG: M. Tech in Energy Engineering with an intake of 09. Department has been accredited by NBA Tier-I. The department has been recognized as a research centre by JNTUA, Ananthapuramu to carry out Ph. D. Program on regular basis. The Department has completed research projects worth of Rs. 2.00 crores.

The department is functioning under the dynamic leadership of Dr. K. Thirupathi Reddy and long-lasting highly qualified faculty having Ph.D from IISc, IIT, NIT and other reputed institutions. Majority of the faculty members have doctoral degree and rest are pursuing their Ph.Ds. The department is well equipped with state of art of infrastructure in all the laboratories. The modernization of the laboratories have been carried out through AICTE funds under MODROBS / RPS scheme.

About the FDP :

The Faculty Development Programme (FDP) entitled “Applications of Machine Learning in Mechanical Systems” will focus on bridging the gap between traditional mechanical engineering education and modern intelligent engineering systems. The theme of this FDP is closely aligned with the current market demand, academic and technology requirement. Machine learning has become key component current engineering and has numerous application in modern mechanical engineering applications such as smart manufacturing systems, predictive maintenance, intelligent robotics, and system optimization. Participants of this FDP will be empowered with fundamentals of AI and ML principles. Moreover they will be exposed ongoing research in the domain of mechanical engineering in premier institutions and application of AI and ML techniques in areas of mechanical engineering. With this as foundation participants could further improve their research with utilization of ML techniques in their respective research. The knowledge gained will support the integration of AI and data-driven approaches into teaching and technologies related to Industry 4.0.

Resource Persons :

The sessions in the Faculty Development Programme will be conducted by a distinguished panel of eminent experts representing prestigious academic Universities, institutions, leading research organizations, and prominent industries.

Objectives of FDP :

- ❖ To introduce the faculty members and Academic researchers to fundamental of Machine learning.
- ❖ To Practically Demonstrate various machine learning techniques to mechanical engg. Datasets.
- ❖ Hands on training on various type of regression and classification models and their applications.
- ❖ To create awareness about emerging trends such as predictive maintenance, smart manufacturing, fault diagnosis, and intelligent process control.
- ❖ To provide an excellent platform to researchers and faculties to update their domain knowledge, look through new and advance technique and learn increasingly popular interdisciplinary skills.

Outcomes of FDP :

- ❖ Improved understanding of fundamentals of machine learning concepts and their applications in mechanical engineering systems.
- ❖ Ability to apply machine learning approaches for mechanical engineering domain problems such as predictive maintenance, fault detection, and system performance optimization.
- ❖ Knowledge on how to use machine learning concepts into classroom teaching, laboratory demonstrations, and student project activities.
- ❖ Interdisciplinary research perspective related to AI-enabled mechanical systems and Industry 4.0 technologies.
- ❖ Enhanced research capabilities in areas such as smart manufacturing and intelligent mechanical systems.
- ❖ Academic collaborations and knowledge exchange with experts working in the field of machine learning and advanced engineering technologies.

Instructions to Participants:

Target Audience

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

Guidelines:

- ❖ No Registration Fee.
- ❖ Participants will be selected on First-Come First-Serve basis.
- ❖ Evaluation test will be conducted at the end of the FDP.
- ❖ Certificates will be issued based on the attendance percentage, test score and submission of feedback.
- ❖ Accommodation will be provided on request.

Registration:

To register for the FDP:

Scan the QR Code:



or Click on the Link below

<https://forms.gle/s86jugMYNcEVXXoc6>

Event Details:

Mode of Conduct	Offline
Timing	9.15AM to 4.45 PM
Venue	ME Gallery
Last date to apply	08-05-2026
Confirmation to participants	09-05-2026

For Further Assistance Contact

Dr. Manoj Panchal : 9589089821

Dr. R. Hussain Vali : 8985340956

er.manojpanchal@gmail.com