

ABOUT THE UNIVERSITY

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. Other constituent units include JNTUA College of Engineering, Pulivendula, Oil Technological and Pharmaceutical Research Institute (OTPRI), Ananthapuramu, and JNTUA College of Engineering, Kalikiri. Several self-financed institutions offering programs in Engineering, Pharmacy, MBA, and MCA are also affiliated with JNTUA.

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, JNTUA in 2016, which organizes training programs and faculty development initiatives for higher education institutions.

ABOUT THE INSTITUTION & DEPARTMENT

Aditya College of Engineering, Madanapalle under the umbrella of Veda Educational Society was Established in the year 2009 on lofty and noble ideals to impart excellent technical and value-based Education under the able and dynamic leadership of **Sri. R. Rama Mohan Reddy**, *Secretary & Correspondent*, **Sri. M. Nagamalla Reddy**, *President* and **Dr. S. Ramalinga Reddy**, *Director* who are young, dynamic and committed to provide best education to the students. ACEM is beautifully nestled against an array of mountains and lush greenery about 10 km from the heart of Madanapalle.

The Department of Artificial Intelligence & Data Science was established in the year 2021 with an initial intake of 60 students. Owing to its steady growth, academic performance, and increasing demand for emerging technologies, the intake has been enhanced to 120 students from the Academic Year 2024–25. This expansion reflects the department's commitment to providing greater learning opportunities and fostering academic excellence.

Chief Patron

Sr. Prof. H. SUDARSANA RAO
Hon'ble Vice-Chancellor, JNTUA
Ananthapuramu.

Patron

Sr. Prof. S. Krishnaiah
Registrar, JNTUA.

Program Director

Sr. Prof. P. Sujatha

Director, Faculty Development & Women Empowerment,
JNTUA.

Chair Persons

Sri. R. Rama Mohan Reddy
Secretary & Correspondant, ACEM.

Sri. M. Nagamalla Reddy
President, ACEM.

Dr. S. Ramalinga Reddy
Director, ACEM.

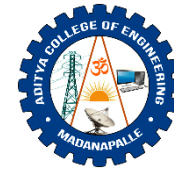
Dr. Rayudu Peyyala
Principal, ACEM.

Program Coordinator

Dr. R. MD. Shafi
Assistant Professor & HoD of AI & DS, ACEM.

Program Co-coordinator

Mr. B. Sreekanth,
Assistant Professor of CSE, ACEM.



Five Day
Faculty Development Programme
on
**ARTIFICIAL INTELLIGENCE FOR
INTELLIGENT HEALTHCARE:
RESEARCH, INNOVATION, AND
CLINICAL APPLICATIONS**

20th – 24th April, 2026

Jointly Organized by
Department of
Artificial Intelligence & Data Science,
Aditya College of Engineering (ACEM),
Madanapalle.
&
Directorate of Faculty Development &
Women Empowerment,
Jawaharlal Nehru Technological University
Anantapur (JNTUA), Ananthapuramu.

ARTIFICIAL INTELLIGENCE FOR INTELLIGENT HEALTHCARE: RESEARCH, INNOVATION, AND CLINICAL APPLICATIONS



EXPECTED OUTCOME OF THE FDP

- ✓ Ability to apply the knowledge of Artificial Intelligence to the solution of Healthcare problems.
- ✓ Ability to design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- ✓ Ability to solve professional engineering problems in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.



REGISTRATION

Link for Registration:

<https://forms.gle/gUfjP7F6oZTmTPBN8>

- ☆ No Registration Fee.
- ☆ Total number of Registrations is limited to 30.
- ☆ Participants will be selected based on First Come First Serve basis.
- ☆ All the Selected participants are requested to carry Laptops.
- ☆ No TA/ DA will be paid for Participants.
- ☆ Accommodation will be provided for outstation participants.

ORGANIZING MEMBERS

Dr. V. V. N. Bhaskar. *Professor & Dean*
 Dr. M. Roshini. *Professor & Head, CSE(AI) Dept.,*
 Dr. K. Lakshmaiah, *Associate Professor & Head, CSE Dept.,*
 Dr. D. Sreenivasulu Reddy, *Professor*
 Dr. B. Jalaja Kumari, *Associate Professor*
 Dr. P. Gangadhara Reddy, *Associate Professor*
 Dr. M. Veeresh Babu, *Associate Professor*
 Mr. A. M. Rangaraj, *Assistant Professor*
 Mr. B. Gopala Rao, *Assistant Professor*
 Mrs. A. Usha Rani, *Assistant Professor*
 Mrs. Y. B. Priyadarshini, *Assistant Professor*
 Mrs. S. Reddi Mubaraq, *Assistant Professor*
 Mr. D. Ramachandra Reddy, *Assistant Professor*
 Mr. B. Madhusudhan Reddy, *Assistant Professor*
 Mr. R. Ramanjulu, *Assistant Professor*
 Mr. R. Pradeep Kumar, *Assistant Professor*
 Ms. S. Jahnavi, *Assistant Professor*



ABOUT THE FDP

ARTIFICIAL INTELLIGENCE (AI) IS RAPIDLY TRANSFORMING THE HEALTHCARE SECTOR BY IMPROVING DISEASE DIAGNOSIS, PATIENT CARE, AND MEDICAL RESEARCH THROUGH INTELLIGENT DATA ANALYSIS AND AUTOMATION. THE INTEGRATION OF AI TECHNOLOGIES HAS ENABLED HEALTHCARE PROFESSIONALS TO PROCESS LARGE VOLUMES OF MEDICAL DATA, ENHANCE CLINICAL DECISION-MAKING, AND DEVELOP INNOVATIVE HEALTHCARE SOLUTIONS.

THE FACULTY DEVELOPMENT PROGRAMME (FDP) ON "ARTIFICIAL INTELLIGENCE FOR INTELLIGENT HEALTHCARE: RESEARCH, INNOVATION, AND CLINICAL APPLICATIONS" AIMS TO PROVIDE PARTICIPANTS WITH INSIGHTS INTO EMERGING AI TECHNOLOGIES AND THEIR APPLICATIONS IN HEALTHCARE. THE PROGRAM WILL FOCUS ON KEY AREAS SUCH AS MEDICAL DATA ANALYTICS, PREDICTIVE HEALTHCARE, MEDICAL IMAGING, PERSONALIZED MEDICINE, AND AI-ENABLED CLINICAL DECISION SUPPORT SYSTEMS.

THE FDP WILL INCLUDE EXPERT LECTURES, RESEARCH PAPER PRESENTATIONS, INTERACTIVE DISCUSSIONS, AND HANDS-ON SESSIONS TO EQUIP FACULTY MEMBERS WITH PRACTICAL KNOWLEDGE AND SKILLS FOR INTEGRATING AI INTO HEALTHCARE EDUCATION, RESEARCH, AND INNOVATION.

Session Topics

- ▲ Foundations of AI in Healthcare
- ▲ Machine Learning for Healthcare Applications
- ▲ Healthcare Data & Medical Informatics
- ▲ Data Pre-processing & Feature Engineering
- ▲ AI-Based Disease Prediction Models
- ▲ Deep Learning for Medical Image Analysis
- ▲ AI in Healthcare Systems & IoMT
- ▲ Generative AI & NLP in Healthcare
- ▲ Advanced AI Applications in Healthcare
- ▲ Ethical, Legal & Industry Perspectives in AI HealthcareAnalytics

Resource Persons

Eminent Speakers from IITs, NITs, IIITs, Universities, Reputed Institutions and Industry will handle the sessions.

Targeted Faculty

Faculty of Constituted and Affiliated Colleges of JNTUA. Every session includes hands on experience and evaluation. Successful participants will be awarded with Certificates.



CONTACT DETAILS

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 Mr. B. Sreekanth, Assistant Professor
 Mobile: +91 – 99636 26278

VENUE

114, SEMINAR HALL, DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE,
 ADITYA COLLEGE OF ENGINEERING, MADANAPALLE – 517 325, ANNAMAYYA DISTRICT, ANDHRA PRADESH.

