



#### ABOUT ACEM

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.

#### ABOUT DEPARTMENT OF CSE

The Department of Computer Science and Engineering (CSE) is known for its strength in Theoretical Computer Science, High Performance Computing, Artificial Intelligence, Deep Learning, Internet of Things, Data Science, Networking and Cyber Security.

B.Tech Programme in CSE prepares students to undertake careers involving innovation and problem solving using computational techniques and technologies.

The Department of CSE was established in the year 2009 with an intake of 120. Dr. J. Jegan, Associate Professor with a vast academic experience spanning nearly 15 years, heads the Department.

The Department is known for its excellence in meticulous execution of examinations, placement, research activities, industry institute partnership and publication by Faculty Members and Students. The Students are encouraged to participate in various co-curricular and extra-curricular activities.

**Chief Patron**  
**Prof. G. RANGA JANARDHANA**  
Hon'ble Vice-Chancellor, JNTUA  
Ananthapuramu.

#### Patrons

**Prof. M. Vijaya Kumar**  
Rector, JNTUA.  
**Prof. C. Sashidhar**  
Registrar, JNTUA.

#### Chair Persons

**Dr. S. Ramalinga Reddy**  
Director, ACEM.  
**Dr. K. Sathish Babu**  
Principal, ACEM.

#### With Best Compliments from

**Sri. R. Rama Mohan Reddy**  
Secretary & Correspondant, ACEM.  
**Sri. M. Nagamalla Reddy**  
President, ACEM.

#### Programme Director

**Prof. B. Eswara Reddy**  
Director, Faculty Development Cell, JNTUA.  
Secretary, ISTE AP Section.

#### Program Conveners

**Dr. R. MD. Shafi**  
Associate Professor & HOD of AI & DS, ACEM.  
**Dr. J. Jegan**  
Associate Professor & HOD of CSE, ACEM.

#### Program Coordinators

**Mr. K. Lakshmaiah**, Associate Professor of CSE, ACEM.  
**Mr. B. Sreekanth**, Assistant Professor of CSE, ACEM.



## Five Day Faculty Development Programme on

# ARTIFICIAL INTELLIGENCE AND DATA ANALYTICS FOR ENGINEERING APPLICATIONS

12<sup>th</sup> – 16<sup>th</sup> June, 2023

#### Organized by

Department of Computer Science and  
Engineering,  
Aditya College of Engineering (ACEM),  
Madanapalle.

&

Faculty Development Cell,  
Jawaharlal Nehru Technological University  
Anantapur (JNTUA), Ananthapuramu.

In association with ISTE, AP Section.

# FIVE DAY FDP ON ARTIFICIAL INTELLIGENCE AND DATA ANALYTICS FOR ENGINEERING APPLICATIONS

SCAN to REGISTER



## ABOUT FDP

The main goal of **Artificial Intelligence and Data Analytics for Engineering Applications** is to acquire the ability to design intelligent solutions to problems in a variety of domains and business applications and fields such as natural language processing, text mining, robotics, reasoning and problem-solving. This program will be delivered by academicians from IIT/NIT's and the reputed from IT industry.

This Faculty Development Programme is intended to educate Faculty Members and Researchers to enhance their knowledge in the areas of Artificial Intelligence and Data Analytics. It will impart Faculty Members a thorough understanding of Supervised Learning, Un-supervised Learning, Applications of AI, Data Analytics and how to use them for Business Applications, enabling them to design new apps and conduct research in this area.

### Session Topics

- Introduction to Artificial Intelligence
- **Supervised Learning:** Classification, Regression, Decision Trees, Random Forest
- **Unsupervised Learning:** K-means Clustering, KNN
- Practical implementation of Supervised Machine Learning Algorithm
- **Introduction to Neural Network:** Perceptron, Feed Forward Neural Network
- Application of AI for Research in Engineering Problems
- Overview of Data Analytics
- Case Studies on Data Analytics Application
- Data Analytics and Machine Learning
- Research in Machine Learning
- Overview of Learning Analytics
- Hands-on with R Programming for Data Analytics

### Targeted Faculty

Faculty of Constituted and Affiliated Colleges of JNTUA

### Performance Evaluation

Every session includes hands on experience and evaluation. Successful participants will be awarded with Certificates.



## RESOURCE PERSONS

- ❖ **Prof. R. B. V. Subramanyam**  
National Institute of Technology (NIT), Warangal.
- ❖ **Dr. S. Lakshmiarahan**  
Indian Institute of Technology (IIT), Tirupati.
- ❖ **Dr. K. G. Srinivasa**  
International Institute of Information Technology (IIIT), Naya Raipur.
- ❖ **Dr. P. Viswanath**  
Indian Institute of Information Technology (IIIT), Sri City, Chittoor.
- ❖ **Dr. R. Dhanalakshmi**  
Indian Institute of Information Technology (IIIT), Trichy.
- ❖ **Dr. T. Ramakrishnu**  
National Institute of Technology (NIT), Warangal.
- ❖ **Dr. R. Praneetha Sree**  
Indian Institute of Information Technology Design & Manufacturing (IIITDM), Kurnool.
- ❖ **Mr. Jaya Prakash Arjarapu**  
Regional Manager, Rimini Street, Hyderabad.
- ❖ **Mr. Davaluri Sitarama Sarma**  
Director – Delivery, Larsen & Turbo Infotech, Hyderabad

## REGISTRATION

Link for Registration:

<https://forms.gle/9LHqjs4vmWJFwzv16>

WhatsApp Group Link:

<https://chat.whatsapp.com/FJuaFdaUJRI3Rx52Zwp876>

- ☆ 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. K. Suresh Kumar Reddy, Associate Professor  
Mr. D. Ramachandra Reddy, Associate Professor  
Mr. D. Siva Sankar Reddy, Associate Professor  
Mr. G. Venu Babu, Assistant Professor  
Mrs. A. Usha Rani, Assistant Professor  
Mrs. R. Nivedha, Assistant Professor  
Mrs. G. Devika, Assistant Professor  
Mr. P. Bhaskar, Assistant Professor  
Mrs. K. Latha, Assistant Professor  
Mrs. B. Rekha, Assistant Professor  
Ms. B.J. Priyanka, Assistant Professor  
Mrs. Shaik Arshiya Sulthana, Assistant Professor

## CONTACT DETAILS

Mr. K. Lakshmaiah, Associate Professor  
Mobile: +91 – 98852 06562  
E-mail: lakshmaiah.k@acem.ac.in  
Mr. B. Sreekanth, Assistant Professor  
Mobile: +91 – 99636 26278  
E-mail: sreekanth.b@acem.ac.in

## VENUE

SEMINAR HALL, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING,  
ADITYA COLLEGE OF ENGINEERING, MADANAPALLE – 517 325, ANNAMAYYA DISTRICT, ANDHRA PRADESH.



Route to ACEM