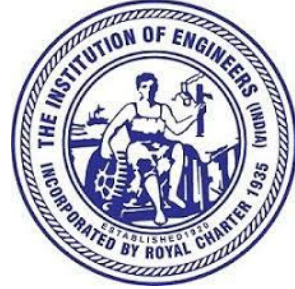


# FACULTY DEVELOPMENT PROGRAMME

## APPLICATIONS OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING IN CIVIL ENGINEERING



JOINTLY ORGANIZED BY  
DEPARTMENT OF CIVIL ENGINEERING  
VISHNU INSTITUTE OF TECHNOLOGY, BHIMAVARAM  
&  
IE CHARTER



### ABOUT COLLEGE

Vishnu Institute of Technology, was established in 2008 by Sri Vishnu Educational Society (SVES), a leading educational trust to promote quality education, under the aegis of eminent philanthropist Padma Bhushan Dr.B.V.Raju (Late). The institute is approved by AICTE and is permanently affiliated to JNTUK, Kakinada. It got Autonomous status in the academic year 2019-20 and is accredited by NBA and NAAC 'A+' with 3.51 CGPA.

### ABOUT DEPARTMENT

The Department of Civil Engineering pulls out all stops to create outstanding engineers - with advanced teaching techniques and learning aids for undergraduate students. CIVIL ENGINEERING DEPARTMENT of the institute started functioning from the year 2011. Students are not only made experts in technical aspects but also in interpersonal skills, a vital ingredient to excel in the fast-paced world.

### ORGANIZING COMMITTEE

#### Chief Patrons

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Sri R.Ravichandran, Vice-Chairman, SVES  
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Mr. M. Manikanta, Assistant Professor, VIT-Bhimavaram  
Mr. K. S Sai Kumar, Assistant Professor, VIT-Bhimavaram

**Registration Link:** <https://forms.gle/DVwLui134pEnzLiY7>

**Who can attend :** Faculty, Industry persons, Research Scholars, and Students of Civil Engineering.

## ABOUT IE CHARTER

IE envisions to be one of the largest and vibrant professional societies of engineers, technologists and applied scientists in the world, covering all branches of engineering. It is committed to the promotion of continual professional and intellectual development and contributes significantly to the growth of technological knowledge, skill and capacity building of the highest order, demonstrated through innovative approach towards the cause of sustainable development.

## ABOUT FACULTY DEVELOPMENT PROGRAMME

Artificial intelligence is a branch of Computer Science, involved in the research, design, and application of intelligent computers. Traditional methods for modeling and optimizing complex structure systems require huge amounts of computing resources. Artificial-intelligence based solutions can often provide valuable alternatives for efficiently solving problems in Civil Engineering. The various disciplines of AI which play a vital role in solving complex Civil Engineering problems include Machine Learning, Deep Learning, Fuzzy Logic, Pattern Recognition, and Neural Networks.

### PROGRAMME SCHEDULE



#### **1) Applications of AI in Civil Engineering.**

-Dr. Venkata Dilip Kumar Pasupuleti

Associate Professor and Head, Center for Sustainable Infrastructure and Systems (CSIS), Mahindra University, Hyderabad.

24-11-2022, 2 PM



#### **2) SVM Applications in Traffic Engineering.**

-Dr. K.V.R. Ravi Shankar

Associate Professor, Department of Civil Engineering, National Institute of Technology, Warangal

25-11-2022, 2 PM



#### **3) Application of Hybrid Artificial Intelligence in Civil Engineering.**

-Dr. Pijush Samui

Professor, Department of Civil Engineering, NIT Patna

26-11-2022, 2 PM



#### **4) Machine Learning in Civil Engineering**

-Dr. G. R. Dodagoudar

Professor, Department of Civil Engineering, Indian Institute of Technology, Madras

28-11-2022, 2 PM



#### **5) Artificial Neural Networks in Earth Quake Engineering**

-Dr. Raghukanth S T G

Professor, Department of Civil Engineering, Indian Institute of Technology, Madras

29-11-2022, 2 PM

### NOTE:

1. Registration Fee: **Rs. 100/-**. Last date to register: **22-11-2022**.
2. Fee Payment Details are provided in the registration form. Uploading the fee receipt through the registration form is compulsory.
3. Link for FDP will be sent to registered candidates through mail.
4. E-Certificate will be sent to all the registered active participants after receiving feedback form for individual lectures.
5. Course certificate will be issued to all the participants who have attended 75% of lectures and upon successful completion of assessment test.

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