

Madurai - 15

## A One Week Online Faculty Development Program on

# “Artificial Intelligence for Edge Computing”

8<sup>th</sup> to 12<sup>th</sup> May 2023



organized by  
**Department of Computer Science and Engineering**  
**Thiagarajar College of Engineering**  
**Madurai - 625 015**

**Coordinator**

**Dr.C.Senthilkumar**, Associate Professor, CSE  
**Dr.R.Leena Sri**, Associate Professor, CSE  
**Ms.C.Santhiya**, Assistant Professor, CSE

## About the College

Thiagarajar College of Engineering (TCE), Madurai is a government aided autonomous institution established in the year 1957 by late Shri Kalaithanthai Karumuttu Thiagarajan Chettiar. TCE aims at creating quality professionals to meet the emerging industrial and social needs through innovative teaching, applied research and industry interactions. The academic programmes in TCE were approved by AICTE and granted autonomy in 1987. The institute offers nine UG programmes and ten PG programmes. The programmes offered by the institute are National Board of Accreditation (NBA) accredited.

## About the Department

The FIST supported Computer Science and Engineering Department was established in the year 1984. The theme area of the department is Knowledge Engineering. It offers UG programme B.E(CSE) and PG programme M.E(CSE). The UG programme is accredited for six years by NBA. The Faculty members of the department specialize in the research groups AI & Data Science, Systems Engineering & High Performance Computing, Software & Data Engineering and Network & Security. Faculty members have publications in Scopus and Web of Science indexed journals from leading publishers like IEEE, Elsevier, Wiley, Taylor & Francis etc. The department has completed many R&D projects from AICTE, UGC, DIT and DST. The department was a consortium partner of CDBR Smart and Secure Environment project sponsored by NTRO, New Delhi. The department is responsible for design and development of College Management Information System which has received many National Level Recognitions.

## About the FDP

Recent years have seen a growth in artificial intelligence (AI) applications and services to deep learning advancements. Thousands of gigabytes of data are produced at the network edge by the billions of mobile and IoT devices that are connected to the Internet as a result of the rapid advancements in mobile computing and the Artificial Intelligence of Things (AIoT). Accelerated by the success of AI and IoT technologies, there is an urgent need to push the AI frontiers to the network edge to fully unleash the potential of big data. To realize this trend, edge computing is a promising concept to support computation-intensive AI applications on edge devices.

The objective of this Faculty Development Program (FDP) is to explore the notable trends in AI for Edge Computing. This makes participants to understand real-time data analytics possible, rapid decision making, preserves bandwidth and reduces latency often experienced in AI induced domains such as Industrial automation, Health care systems, Smartcities, 3D Printing etc.

## Topics to be covered

1. Industrial Internet of Things (IIoT) and its applications
2. Machine Learning and Neural Networks
3. AI Accelerated Devices
4. Computer Vision and Speech Processing
5. Edge Computing/Analytics
6. Data Workflow in Cloud
7. Security and Privacy at Edge Computing
8. Convergence of AI and HPC
9. Recommendation System

## Resource Persons

**Dr.P. Sambath Narayanan**,  
Director, Dataever Consulting  
**Mr.Sundaravelu**,  
Chief Architect, Kyndrel  
**Dr.S. Karthick**,  
Assistant Professor & HOD, CSE,  
NIT Andra Pradesh

## Expert Members

from IBM, Kyndryl, CDAC, MATLAB and from other higher learning institution and internal expert members

## Participants

The Faculty Development Program is open to Faculty of Engineering Colleges, Arts and Science, Research Scholars, PG Scholars and Industry people

## Registration Fee

The registration fee includes presentation materials and an e-certificate of participation.  
Faculty / Industry Member / Research Scholar / PG Scholar: Rs.885/- (Rs.750+18% GST)

## Mode of Payment

Participants can pay the registration fee by using the online link given below

## Online Registration Procedure



Scan for Registration



Scan for Payment

## Online Payment Procedure

STEP 1: Make your Registration at  
<https://forms.gle/VLRycZVAWrQswQkKA>

STEP 2: Complete your Payment

Click the link given (or) Search

<https://eazypay.icicibank.com/>

Type "T C E" with Space (as mentioned) in the "Enter Institute Name".

Select the Last Option\* ("T C E SOUVENIOR") from the drop-down menu.

Enter the Required Information

(Email id, Mobile number, Name, Designation, College Name, Department, Registration Fee, etc...).

STEP 3: Pay the fees and download the eazypay Transaction Receipt.

STEP 4: Update Program Topic Google Form with the Transaction ID and Receipt.

STEP 5: Submit Google Form.

## Important Dates

Last date for Registration: 03.05.2023

## Contact Details

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