



Faculty Development Program



Title : Embedded and Hardware-Accelerated Machine Learning & Deep Learning

Date : 2026-03-18 - 2026-03-18

Time : 10:00 - 17:30

Venue : PRP405

Event Outcome

- Participants will gain practical hands on experience in deploying ML or DL concepts on VEGA Raspberry Pi and Arduino platforms. Faculty members will be equipped to integrate hardware based AI experiments and project modules into teaching and research activities



Resource Person 1 - Details

Name : Muhammed Raees P C

Designation : CEO, Edutecnicia Pvt Ltd

University/ Company : Edutecnicia Pvt Ltd, Kozhikode

Address : India, 673006.

Resource Person's Profile :

1. Profile of Muhammed Raees P C

Muhammed Raees P C is the Founder and CEO of Edutecnicia Pvt Ltd focused on industry grade skill development and indigenous technology innovation. He works towards the intersection of Artificial Intelligence, Embedded Systems, Robotics and Edge Computing with a strong emphasis on hands on learning, industry relevance and research translation

This one-day Faculty Development Program (FDP) is designed to provide participants with hands-on exposure to real-time hardware implementation of Machine Learning (ML) and Deep Learning (DL) concepts using industry-relevant platforms such as VEGA processors, Raspberry Pi, and Arduino. Delivered by an experienced industry expert, the FDP will bridge the gap between theoretical AI models and practical embedded deployment through guided demonstrations and interactive lab sessions. Participants will learn the fundamentals of hardware interfacing, edge AI deployment, sensor integration, and real-time data acquisition, along with optimization techniques for resource-constrained devices. The programme emphasizes experiential learning, enabling faculty members and researchers to develop practical skills in prototyping intelligent embedded systems and accelerating AI solutions on low-power hardware platforms. By the end of the FDP, attendees will gain the confidence to integrate hands-on hardware-based AI modules into teaching, research, and industry-oriented projects.

VEGA, Aurduino, Raspberry Pi and PC

Coordinator's: Prof. GOPINATH P 19661 - Assistant Professor Sr. Grade 1 - SENSE
Prof. NISHA J S 19629 - Assistant Professor Sr. Grade 1 - SENSE