FACULTY DEVELOPMENT PROGRAM

MVJ COLLEGE OF ENGINEERING
Since 1982
Engineering A Better Tomorrow
An Autonomous Institution

Introduction to Machine Learning

Dates : 12th ,13th & 14th January
Time : 9:30 AM – 4:00 PM

Organized by
MVJ College of Engineering, Bangalore

In association with
School of Computer Science and Engineering

Resource Person :
Dr. Salim A
Dean – Research & Professor, CSE
MVJ College of Engineering

DAY-01

Python Programming for Machine Learning.

DAY-02

Neural Networks and Convolutional Neural Networks (CNN) with practical demonstrations.

DAY-03

Recurrent Neural Networks (RNN) and Long Short-Term Memory (LSTM) with hands-on sessions

This FDP is designed to provide a strong conceptual foundation along with practical exposure to key machine learning techniques, enabling faculty members to enhance their teaching, research, and application skills.

About MVJCE

MVJ College of Engineering, established in 1982, is an Autonomous Institution committed to excellence in technical education, research, and innovation. The college offers quality undergraduate and postgraduate programs with strong academic rigor, industry relevance, and holistic development, striving to engineer a better tomorrow.

Who Can Attend?

The Programme is open to Faculty Members and PhD Research Scholars from universities and colleges.

Register Now

MVJ COLLEGE OF ENGINEERING
Since 1982
Engineering A Better Tomorrow
An Autonomous Institution

Course Objectives

- Understand the fundamentals of Machine Learning, including key concepts, terminology, and its relationship with Artificial Intelligence and Data Science.
- Differentiate between various types of Machine Learning, such as supervised, unsupervised, and reinforcement learning, along with their real-world applications.
- Gain insight into commonly used Machine Learning algorithms, including regression, classification, clustering, and basic neural networks.
- Develop basic hands-on skills in implementing Machine Learning models using popular tools and libraries (such as Python-based ML frameworks).

Course Outcomes

- Understand the core concepts, terminology, and workflow of Machine Learning.
- Differentiate between supervised, unsupervised, and reinforcement learning techniques.
- Identify appropriate Machine Learning algorithms for different problem statements.
- Perform basic data preprocessing including cleaning and feature selection.
- Implement introductory Machine Learning models using standard tools and libraries.
- Evaluate Machine Learning model performance using common metrics.
- Recognize challenges such as overfitting and underfitting in ML models.
- Apply Machine Learning concepts in teaching, curriculum design, and academic projects.

About the FDP

Overview of Machine Learning algorithms including regression, classification and clustering and a detailed discussion on neural networks.

Registeration Details

Registration Fees : Rs. 500/-
Last date for registration : 11-01-2026
Note : The FDP is in Hybrid mode with hands-on session.
Interested faculty members are requested to register using the link below :
https://forms.gle/HrjbjAcmW3xMBb8J7

Contact Us

Prof. Syeda Shafia Sadaf : 9742608699
Prof. Ankita Mishra : 6394872 674
Prof. B.Sivasakthi : 9620067200

Register Now