भारतीय संगणक प्रौद्योगिकी संस्थान
Indian Institute of Computing and Technology
आई आई सी टी IICT

Winter Internship AI & ML Program 2026

Training Schedule

Day 1
Introduction to AI & ML
AI, ML, Deep Learning overview; Types of ML; Setup Python & Jupyter

Day 2
Python for Data Science
Python basics; NumPy & Pandas; Data handling

Day 3
Data Visualization
Matplotlib, Seaborn; Graphs and plots

Day 4
Statistics for ML
Mean, Median, Std Dev, Probability, Normal Distribution

Day 5
Data Preprocessin
Missing values, Encoding, Scaling, Train-test split

Day 6
Supervised Learning
Regression vs Classification; Model basics

Day 7
Linear Regression
Concept, equation, implementation

Day 8
Logistic Regression
Classification, Sigmoid function

Day 9
KNN Algorithm
Distance metrics, K selection

Day 10
Decision Trees & Random Forest
Tree models, Overfitting, Ensemble learning

Day 11
Unsupervised Learning
Clustering, K-Means

Day 12
Neural Networks
Perceptron, basics of deep learning

Day 13
Model Evaluation
Accuracy, Precision, Recall, Confusion Matrix

Day 14
Mini Project
End-to-end ML project development

Day 15
Cyber Security using AI & ML
Anomaly Detection, Phishing Detection

Day 16
Project Work
Hands - on Project for 30 Days

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