

Name:

Date:

# Overview Of AI /ML

NO	TOPIC	STUDENT SIGN	FACULTY SIGN
1.	AI-Introduction to AI and Machine Learning		
2.	AI-Basics of Machine Learning		
3.	AI-Supervised Learning – Linear Regression		
4.	AI -Classification – Logistic Regression		
5.	AI -Decision Trees and Random Forests		
6.	AI - K-Nearest Neighbors (KNN)		
7.	AI -Clustering – K-Means		
8.	AI - Dimensionality Reduction – PCA		
9.	AI - Anomaly Detection		
10.	AI - Introduction to Neural Networks		
11.	AI -Convolutional Neural Networks (CNN)		
12.	AI - Recurrent Neural Networks (RNN)		
13.	AI - Build a Simple AI Project		
14.	AI - AI Project - Deep Learning Application		

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15.	AI - Model Evaluation and Deployment		
16.	Understanding K-means Clustering		
17.	Implementation of K-Means Clustering		
18.	Visualize the Data		
19.	Learn what is Neural Networks and how it works		
20.	implement using keras		

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# NLP in Python

NO	TOPIC	STUDENT SIGN	FACULTY SIGN
1.	NLP - Overview of NLP		
2.	Create NLP App		
3.	create text summarizer app		

# Genrative AI

NO	TOPIC	STUDENT SIGN	FACULTY SIGN
1.	Gen AI - Introduction to GenAI & LLMs		
2.	Gen AI - How LLMs Work		
3.	Gen AI - All LLMs Overview		
4.	Gen AI - Overview of OpenAI & Hugging Face APIs		
5.	Gen AI - Prompt Engineering		
6.	Gen AI - LangChain Basics		
7.	Gen AI - Document Q&A with RAG (Retrieval-Augmented Generation)		

NO	TOPIC	STUDENT SIGN	FACULTY SIGN
8.	Gen AI - Agents & Tools Integration		
9.	Gen AI - LangFlow and n8n		

## AI/ML Projects

NO	TOPIC	STUDENT SIGN	FACULTY SIGN
1.	Email spam detector:		
2.	Apply condition to detect spam mail		
3.	Automatic Number Plate Recognition (ANPR)		
4.	Label Detection App		
5.	Event Visitor Recognition System - AI		
6.	Unified Mail Inbox		
7.	Form Compare App		
8.	Create Chatbot		
9.	AI - Learn about n8n automation workflow		
10.	AI - Email automate		

NO	TOPIC	STUDENT SIGN	FACULTY SIGN
11.	Add Mail attachment functionality		