

ARTIFICIAL INTELLIGENCE (SUBJECT CODE 417)

CLASS – IX (SESSION 2024-2025)

Total Marks: 100 (Theory-50 + Practical-50)

Unit 1: AI Reflection, Project Cycle and Ethics	10
Unit 2: Data Literacy	10
Unit 3: Math for AI (Statistics & Probability)	07
Unit 4: Introduction to Generative AI	08
Unit 5: Introduction to Python	05
	Total 40
Employability Skills	10
	Practical 50 + 50 Theory

HALF YEARLY SYLLABUS

Unit 1: AI Reflection, Project Cycle and Ethics

1. AI Reflection
2. AI PROJECT CYCLE
 - a. Problem Scoping
 - b. Data Acquisition
 - c. Data Exploration
 - d. Modeling
 - e. Evaluation
 - f. Deployment

PT-II SYLLABUS

UNIT 2: DATA LITERACY

1. Basics of data literacy
2. Acquiring Data, Processing, and Interpreting Data
3. Project Interactive Data Dashboard & Presentation

UNIT 5: INTRODUCTION TO PYTHON

1. Introduction to Python language
2. Introducing python programming and its applications

ANNUAL / PRE-BOARD

UNIT 1: AI REFLECTION, PROJECT CYCLE AND ETHICS

UNIT 2: DATA LITERACY

UNIT 5: INTRODUCTION TO PYTHON

UNIT 3: MATH FOR AI (STATISTICS & PROBABILITY)

1. Importance of Math for AI
2. Statistics
3. Probability

UNIT 4: INTRODUCTION TO GENERATIVE AI

1. Introduction to Generative AI
2. Generative AI vs Conventional AI