

ARMY PUBLIC SCHOOL, BANGALORE
SPLIT UP SYLLABUS 2024-25

CLASS – 9th

SUBJECT- ARTIFICIAL INTELLIGENCE

SL. NO.	MONTH & WORKING DAYS	CONTENT
1.	APRIL, 13 DAYS	<p>UNIT 5: INTRODUCTION TO PYTHON (Part B)</p> <ul style="list-style-type: none"> ● Introduction to Python language ● Introducing python programming and its applications <p>Python Basics Variables, Arithmetic Operators, Expressions, Comparison Operators, logical operators, Assignment Operators,</p>
2.	JUNE, 16 DAYS	<p>UNIT 1: AI REFLECTION, PROJECT CYCLE AND ETHICS (Part B)</p> <p>Introduction to AI and setting up the context of the curriculum Introduction to AI Project Cycle</p> <ul style="list-style-type: none"> ● Problem Scoping ● Data Acquisition ● Data Exploration ● Modeling ● Evaluation ● Deployment <p>Ethics AI Bias and AI Access Python Basics Data Types - integer, float, strings, type conversion, using print() and input() functions Flow of control and conditions – if , for and while Python Lists</p>
3.	JULY, 25 DAYS	<p>UNIT 2: DATA LITERACY (Part B)</p> <p>Basics of data literacy</p> <ul style="list-style-type: none"> ● Introduction to Data Literacy ● Impact of data Literacy ● How to become Data Literate? ● What are data security and privacy? How are they related to AI? ● Best Practices for Cyber Security

		<p>Acquiring Data, Processing, and Interpreting Data</p> <ul style="list-style-type: none"> ● Types of data ● Data Acquisition/Acquiring Data ● Best Practices for Acquiring Data ● Features of data and Data Preprocessing ● Data Processing and Data Interpretation
4.	AUG, 23 DAYS	<p>UNIT 2: DATA LITERACY (Part B)</p> <p>Acquiring Data, Processing, and Interpreting Data</p> <ul style="list-style-type: none"> ● Types of Data Interpretation ● Importance of Data Interpretation <p>Project Interactive Data Dashboard & Presentation</p> <ul style="list-style-type: none"> ● Data visualization Using Tableau <p>Unit 1: Communication Skills-I (Part A)</p> <p>Unit 2: Self-Management Skills-I (Part A)</p>
5.	SEPT, 21 DAYS	<p>UNIT 3: MATH FOR AI (Statistics & Probability) (Part B)</p> <p>Importance of Math for AI</p> <ul style="list-style-type: none"> ● Finding Patterns in Numbers and images. <p>Uses of Math –</p> <ul style="list-style-type: none"> ○ Statistics ○ Linear Algebra ○ Probability ○ Calculus <p>Definition of Statistics</p> <ul style="list-style-type: none"> ● Applications <ul style="list-style-type: none"> ○ Disaster Management ○ Sports ○ Diseases Prediction ○ Weather Forecast
6.	OCT, 15 DAYS	<p>UNIT 3: MATH FOR AI (Statistics & Probability) (Part B)</p> <p>Introduction to Probability</p> <ul style="list-style-type: none"> ● How to calculate the probability of an event ● Types of events ● understand the concept of Probability using a relatable example. <p>Applications of Probability</p> <ul style="list-style-type: none"> ● Sports

		<ul style="list-style-type: none"> ● Weather Forecast ● Traffic Estimation
7.	NOV, 21 DAYS	Unit 3: ICT Skills-I (Part A) UNIT 4: INTRODUCTION TO GENERATIVE AI (Part B) Introduction to Generative AI Generative AI vs Conventional AI Types of Generative AI
8.	DEC, 17 DAYS	UNIT 4: INTRODUCTION TO GENERATIVE AI (Part B) Examples of Generative AI Benefits of using Generative AI Limitations of using Generative AI Ethical considerations of using Generative AI
9.	JAN, 24 DAYS	Unit 4: Entrepreneurial Skills-I (Part A) Unit 5: Green Skills-I (Part A)
10.	FEB, 22 DAYS	REVISION
11.	MARCH, 23 DAYS	

BOOKS: ORANGE PUBLICATIONS

