

ARMY PUBLIC SCHOOL, BANGALORE
CURRICULUM (MONTHWISE) 2025-26

CLASS - IX

SUBJECT- Artificial Intelligence

SL. NO.	MONTH	CONTENT
1.	APRIL	UNIT 5: INTRODUCTION TO PYTHON (Part B) Introduction to Python language Introducing python programming and its applications Algorithm and Flow charts
2.	JUNE	UNIT 5: INTRODUCTION TO PYTHON (Part B) Variables, Arithmetic Operators, Expressions, Comparison Operators, logical operators, Assignment Operators, Data Types - integer, float, strings, type conversion, using print() and input() functions Simple problem-solving exercises using Python Programming Flow of control and conditions(if) Problem-solving exercises using conditional using Python Programming
3.	JULY	UNIT 5: INTRODUCTION TO PYTHON (Part B) Flow of control and conditions(for and while) Problem-solving exercises using conditional and iterative statements using Python Programming. Python Lists Problem-solving exercises using conditional and iterative statements using Python Programming.
4.	AUG	UNIT 1: AI REFLECTION, PROJECT CYCLE AND ETHICS (Part B) Introduction to AI and setting up the context of the curriculum Introduction to AI Project Cycle <ul style="list-style-type: none">● Problem Scoping● Data Acquisition● Data Exploration● Modeling● Evaluation● Deployment Ethics AI Bias and AI Access

		Unit 1: Communication Skills-I (Part A)
5.	SEPT	<p>UNIT 2: DATA LITERACY (Part B) 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 <p>UNIT 2: DATA LITERACY (Part B) 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 2: Self-Management Skills-I (Part A)</p>
6.	OCT	<p>UNIT 3: MATH FOR AI (Statistics & Probability) (Part B) 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

		<p>○ Weather Forecast</p> <p>UNIT 3: MATH FOR AI (Statistics & Probability) (Part B) 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 ● Weather Forecast ● Traffic Estimation <p>Unit 3: ICT Skills-I (Part A)</p>
7.	NOV	<p>UNIT 4: INTRODUCTION TO GENERATIVE AI (Part B) Introduction to Generative AI Generative AI vs Conventional AI Types of Generative AI Examples of Generative AI Benefits of using Generative AI Limitations of using Generative AI Ethical considerations of using Generative AI</p>
8.	DEC	<p>Unit 4: Entrepreneurial Skills-I (Part A) Unit 5: Green Skills-I (Part A)</p>
9.	JAN	Revision
10.	FEB	

11.	MARCH	
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BOOKS: Artificial Intelligence(Touchpad) by Orange Publications