DELHI PUBLIC SCHOOL JAMMU
SYLLABUS Bifurcation
SESSION: 2024-25

Class: IX
Subject: Artificial Intelligence

OVERVIEW AND LEARNING OBJECTIVES OF THE AI PROGRAM

1. Helping learners understand the world of Artificial Intelligence and its applications through games, activities and multi-sensorial learning to become AI-Ready.

2. Introducing the learners to three domains of AI in an age appropriate manner.

3. Allowing the learners to construct meaning of AI through interactive participation and engaging hands-on activities.

4. Introducing the learners to AI Project Cycle.

5. Introducing the learners to programming skills - Basic python coding language.

S.No	Month	Topics
1	Apr	1. **Communication skills-1** • Meaning of communication • Methods of Communication • Verbal, non-verbal and visual communication. • Perspectives in communication 2. **Excite** • Introduction to AI • Brief History of AI • AI around us • Domains of AI • Human and Machine Interaction
2	May	1. **Self-Management Skills** • Importance of Self-Management • Building Self- Confidence 2. **Relate** • Most common field use in AI • Concept of Smart Living 3.**Purpose** • Sustainable Goals • Sustainable World with SDGs and AI

3	July-August	1. **Information and Communication Technology Skills-I**
		    • Introduction to ICT
		    • Components of a computer System
		
		    POSSIBILITIES
		    • Carrere Opportunities in AI
		    • Preferred skills to get a job in the field of AI
		    • Case studies of AI Star-ups

4	Sept-Oct	1. **Information and Communication Technology Skills-I**
		    • Peripheral Devices
		    • Basic Computer Skills
		2. **AI Ethics**
		    • Need of AI Ethics
		    • Ethical issues with AI
		    • AI Bias and Inclusiveness
		    • AI Access
		    • Advantages and Disadvantages of AI

5	November	1. **Entrepreneurial skills**
		    • Types of Business Activities
		    • Characteristics of Entrepreneurship
		2 **Python**
		3 **AI Project Cycle**

6	December	1.**Green Skills-I**
		    • Environmental Protection and conservation
		    • Importance of Green Economy
		
		2. **Python (Ctd.)**
		
		3. **AI Project Cycle (Ctd.**

7	January	1. **Neural Networks**
		    • Introduction to Neural Networks
		    • Need for neural Network
		    • Applications of Neural Network
		    • Advantages of Neural Network
		
		2. **Python (Ctd.)**
		
		3. **AI Project Cycle (Ctd.)**

8	February	• **Neural Networks**
		    • AI Models
		    • Function of Neural Network
		    • Relation Between Neural network and Nervous system
		
		2. **Python (Ctd.)**
		
		3. **AI Project Cycle (Ctd.)**
		
		4. **Revision.**

Syllabus For Cycle Test -1
1. Communication skills-1
2. Excite

Syllabus For Half Yearly Examination
1. Communication skills-1
2. Excite
3. Self-Management Skills
4. Relate
5. Purpose

Syllabus For Cycle Test 2
1. Information and Communication Technology Skills-I
2. POSSIBILITIES
3. AI Ethics

Syllabus For Final Examination
1. Information and Communication Technology Skills-I
2. POSSIBILITIES
3. AI Ethics
4. Entrepreneurial skills
5. Green Skills-I