THE AIR FORCE SCHOOL : SUBROTO PARK : DELHI CANTT-110010

Class – IX

Sub : Artificial Intelligence

Weekly Syllabus (Tentative)

Academic Session 2024-25

Month	Week	Dates		Days	No of Periods	Chapter	Contents	Syllabus
Apr-24	I	01-06	06-Working Saturday (Staff)	05		PART-A: EMPLOYABILITY SKILLS Unit 1: Communication Skills-I	Session 1: Introduction to Communication Session 2 : Verbal Communication Session 3 : Non-Verbal Communication Session 4 : Writing Skills:Parts of Speech	
	II	08-12	11 – Id-ul-Fitr	04				
	III	15-19	14 - Ambedakar Jayanti 17 – Ram Navami 21 - Mahavir Jayanti	04				
	IV	22-27	27-Working Saturday (Student)	06				
	V	29-30		02				
May-24	I	01-03	01-03 : ES-1 (XII)/ CT-1 (X)	03		PART-A: EMPLOYABILITY SKILLS Unit 1: Communication Skills-I	Session 1: Writing Skills: Sentences Pronunciation Basics Session 2: Greetings and Introduction	ES-1 (XII)/ CT-1 (X) Date: 01-07 May
	II	06-10	06-07 : ES-1 (XII)/ CT-1 (X) 09,10 – The Quest	05				
	III	13-18	18- Working Saturday (Open House X & XII)	06				
***** SUMMER B6REAK 20 MAY -30 JUN 2024 *****								

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Jul-24	I	01-06	01- School reopens for staff **06-Working Saturday (Student)**	05		**PART-B: SUBJECT SPECIFIC SKILLS** **Unit 5 : introduction to python**	➢ Introduction to Python language ➢ Introducing python programming and its applications ➢ Variables, Arithmetic Operators, Expressions, Comparison Operators, logical operators, Assignment Operators	<mark>**PT-I**</mark> **Class VI-X Date: 05 Jul – 12Jul** <mark>**ES-2 (XII):**</mark> **05 Jul – 12Jul**
	II	08-12		05				
	III	15-19	**17-Muharram**	04				
	IV	22-27	**27 – Working Saturday (Students)**	06				
	V	29-31		03				
Aug-24	I	01-03	**03 – Working Saturday (Open House (VI-X), XII)**	03		**PART-B: SUBJECT SPECIFIC SKILLS** **Unit 5 : introduction to python**	➢ Data Types - integer, float, strings, type conversion, using print() and input() functions) ➢ Python Programming using if-else and loops	<mark>**ES-1 (XI):**</mark>
	II	05-09		05				
	III	12-16	**15 – Independence Day**	04				
	IV	19-23	**19-Raksha Bandhan**	04				
	V	26-31	**26-Janmashtami 31-Working Saturday (Students) 31-Annual Prize Distribution**	05				
Sep-24	I	02-06		05				
	II	09-14	**14 – Working Saturday (Students)**	06	6		<mark>**MID YEAR EXAMINATION**</mark>	<mark>**Mid Term (PT-II)/ HYE**</mark> **Date 09-24 Sep**

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	III	16-21	**16-Milad-un-Nabi** **21 – Working Saturday (Students)**	05		**PART-B: SUBJECT SPECIFIC SKILLS** **Unit 5 : introduction to python**	➢ Python Programming using if-else and loops	
	IV	23-27		05				
	V	30		01				
Oct-24	II	01-05	**02-Mahatma Gandhi's Birthday** **05-Annual Prize Distribution**	04		**PART A : EMPLOYABILITY SKILLS** **Unit 2: Self-management Skills-I**	➢ Introduction to Self-management ➢ Strength and Weakness Analysis ➢ Self-confidence ➢ Positive Thinking ➢ Personal Hygiene ➢ Grooming	
	III	07-12	**09-13– Autumn Break** **12- Dussehra**	02				
	IV	14-19	**17-Maharishi Valmiki's Birthday** **19 – Working Saturday (Open House VI-XII)**	05		**PART-B: SUBJECT SPECIFIC SKILLS** **UNIT 1: AI REFLECTION, PROJECT CYCLE AND ETHICS**	➢ Introduction to AI Project Cycle ➢ Problem Scoping ➢ Data Acquisition ➢ Data Exploration ➢ Modelling ➢ Evaluation ➢ Deployment	
	V	21-25	**20– Karwa Chouth**	05				
	VI	28-31	**30-03 Nov – Diwali Break**	02				
			*** Autumn Break 09-13 Oct 2024 ***					
Nov-24	I	04-09	**09 – Working Saturday (Students)**	06		**PART A : EMPLOYABILITY SKILLS**	➢ Introduction to ICT ➢ ICT Tools: Smartphones and Tablets ➢ Parts of Computer and Peripherals	**PT-II (VI-VIII):** 19 Nov-10 Dec **PT-III (IX):** 19 Nov-

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	II	11-15	**12 – Annual Day** **15 – Guru Nank's Birthday**	04		**Unit 3:** **Information and Communication Technology Skills-I**	➢ Basic Computer Operations ➢ Performing Basic File Operations ➢ Communication and Networking ➢ Basics of Internet ➢ Internet Browsing ➢ Introduction to e-mail ➢ Creating an e-mail Account ➢ Writing an e-mail ➢ Receiving and Replying to e-mails	10 Dec <mark>PT-III (X):</mark> 14 Nov-25 Nov <mark>MPB (XII):</mark> 14 Nov-25 Nov
	III	18-22		05				
	IV	25-30	**29,30 – Annual Athletic Meet**	06		**PART-B: SUBJECT SPECIFIC SKILLS** **UNIT 2: DATA LITERACY**	➢ Basics of Data literacy ➢ Impact of data Literacy ➢ How to become Data Literate? ➢ What are data security and privacy? ➢ Best Practices for Cyber Security ➢ Acquiring Data, Processing, and Interpreting Data ➢ Types of data ➢ Data Processing and Data Interpretation ➢ Types of Data Interpretation ➢ Project Interactive data	
Dec-24	I	02-07	**07 – Sports Day**	06		**PART-B: SUBJECT SPECIFIC SKILLS** **UNIT 3: MATH FOR AI**	➢ Session 1 : Importance of Math for AI • Uses of Math - Statistics • Linear Algebra • Probability • Calculus ➢ Session 2 : Definition of Statistics • Applications Disaster Management • Sports	
	II	09-13		05				
	III	16-21	**21-Working Saturday, Open House (X & XII)**	06				
	IV	23	**24,25 – Christmas Holidays**	01				

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							• Diseases Prediction • Weather Forecast ➢ Session 3 : Introduction to Probability Applications of Probability	
						UNIT 4: INTRODUCTION TO GENERATIVE AI:	➢ Session 4 • 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 • Generative AI tools • Ethical considerations of using Generative AI	
*** Winter Break from 26 Dec to 04 Jan 2025 ***								
Jan-25	I	06-10		05		PART-A: EMPLOYABILITY SKILLS Unit 4: Entrepreneurial Skills-I	➢ What is Entrepreneurship? ➢ Role of Entrepreneurship ➢ Qualities of a Successful Entrepreneur ➢ Distinguishing Characteristics of Entrepreneurship and Wage Employement ➢ Types of Business Activities ➢ Product, Service and Hybrid Businesses ➢ Entrepreneurship Development Process	
	II	13-18	18-Working Saturday, Open House (VI-IX, XI)	06				
	III	20-25	25-Citation Ceremony 25-Open House XII 26-Republic Day	06				
	IV	27-31		05				

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						Unit 5: Green Skills-I	➢ Green Skills : Society and Environment ➢ Conserving Natural Resources ➢ Sustainable Development and Green Economy	
Feb-25	I	01	**01 – Farewell XII** **01- Open House X**	01				
	II	03-07		05				==**Annual Exam Class IX & XI** – 05 Feb-19 Feb 2025==
	III	10-14		05				
	IV	17-22	**22-Working Saturday (students)**	06				
	V	24-28	**26-Maha Shivratri**	04				
Mar-25	==**Annual Exam Classes VI-VIII – 25 Feb-10 Mar 2025**==							

==*Note: The examination syllabus as mentioned above is to be considered Tentative. The final syllabus for each exam will be uploaded on the website along with the Date Sheet at the time of the examination.*==