



**BLOOM PUBLIC SCHOOL**  
**C-8 Vasant Kunj, New Delhi**  
**Syllabus for the Session 2025-26**

**Class: X**

**Subject: AI**

**SYLLABUS**

<b>MONTH</b>	<b>CHAPTER ( NCERT Text book)</b>	<b>CONTENT (Topics)</b>	<b>Practical/Activities</b>
<b>April</b>	Part A – <b>Employability Skills</b> Unit 1: Communication Skills  Part B – <b>Subject Specific Skills</b> Unit 1: Revisiting AI Project Cycle & Ethical Framework of AI Unit 7: Advance Python	Methods of communication, Verbal, Non-verbal communication, Communication Cycle and Importance of feedback, Barriers of effective communication  AI Project Cycle – all the stages of Project Cycle. Introduction to AI Domains Ethical Framework of AI – Data Privacy, AI Bias, Bioethics, Ethical framework. Python Basics	Revising the Python Basics (variables, different datatypes )
<b>May</b>	Part A – <b>Employability Skills</b> Unit 2: Self-management Skills  Part B – <b>Subject Specific skills</b> Unit 2: Advanced Concepts of Modelling in AI & Neural Networks Unit 7: Advance Python	Stress Management, Self-awareness — Strength and Weakness Analysis, Self-motivation, Self-regulation — Goal Setting, Self-regulation — Time Management Machine Learning & Modelling – AI, ML, DL – an overview. ANN – Overview of Neural Network, Basics of it, CNN. Python	Reiterating the Python Basics
<b>July</b>	Part A - <b>Employability Skills</b> Unit 3: Information and Communication Technology Skills  Part B – <b>Subject Specific Skills</b> Unit 2: Advanced Concepts of Modelling in AI & Neural Networks Unit 3 : Evaluation Methods Unit 7: Advance Python	Basic Computer Operations, Performing Basic File Operations, Computer Care and Maintenance, Computer Security and Privacy  ANN – Overview of Neural Network, Basics of it, CNN.  Model Evaluation Introduction to Python, Python Basics	Revising + basic Python programming

<b>August</b>	Part A – <b>Employability Skills</b> Unit 4: Entrepreneurial Skills Unit 5: Green Skills Part B – <b>Subject Specific Skills</b> Unit 4: Statistical Data Unit 7: Advance Python	Unit 4: <b>Entrepreneurial Skills</b> Entrepreneurship and Society, Qualities and Functions of an Entrepreneur, Myths about Entrepreneurship, Entrepreneurship as a Career Option Unit 5: <b>Green Skills</b> Sustainable Development, Our Role in Sustainable Development Introduction to Data Science & its applications, Statistical Concepts	Python programs using conditional statements.
<b>September</b>	Part B – <b>Subject Specific Skills</b> Unit 5: Computer Vision Unit 7: Advance Python	Concepts of Computer Vision Convolution & Neural Network	Practical Examination
<b>October</b>	Part B – <b>Subject Specific Skills</b> Unit 5: Computer Vision Unit 6: Natural Language Processing Unit 7: Advance Python	Concepts of Computer Vision Convolution & Neural Network Introduction to NLP & its applications Concepts in NLP Sentiment Analysis Processing using real life datasets.	Python programs using Loop statements
<b>November</b>	PREBOARD EXAMINATION 1	Whole syllabus	
<b>December</b>	PREBOARD EXAMINATION 2	Whole syllabus	
<b>January</b>	Revision/ BOARD PRACTICALS	Whole syllabus	
<b>February</b>	BOARD EXAMINATION	Whole syllabus	
<b>ASSESSMENT SYLLABUS</b>			
<b>PERIODIC ASSESSMENT -1</b>		<b>Subject specific skills:</b> <ul style="list-style-type: none"> <li>Unit 1: Revisiting AI Project Cycle &amp; Ethical Framework for AI</li> </ul> <b>Employability Skills:</b> Unit 1: Communication Skills	
<b>PERIODIC ASSESSMENT -2</b>		<b>Subject specific skills:</b> <ul style="list-style-type: none"> <li>Unit 2: Advanced Concepts of Modelling in AI &amp; Neural Networks</li> </ul> <b>Employability Skills:</b> Unit 2: Self-management Skills <ul style="list-style-type: none"> <li>Unit 3: ICT Skills</li> </ul>	

	Unit 4 : Entrepreneurial Skills	
<b>MID TERM EXAM</b>	<b>Subject specific skills:</b> <ul style="list-style-type: none"> <li>Unit 1: Revisiting AI Project Cycle &amp; Ethical Framework for AI</li> <li>Unit 2: Advanced Concepts of Modelling in AI</li> <li>Unit 3: Evaluation Methods</li> <li>Unit 7: Advance Python</li> <li>Unit 4: Statistical Data</li> </ul> <b>Employability Skills:</b> <ul style="list-style-type: none"> <li>Unit 1: Communication Skills</li> <li>Unit 2: Self-Management Skills</li> <li>Unit 3: ICT Skills</li> </ul> Unit 4 : Entrepreneurial Skills	
<b>PREBOARD EXAMINATION 1</b>	<b>Subject specific skills:</b> <ul style="list-style-type: none"> <li>Unit 1: Revisiting AI Project Cycle &amp; Ethical Framework for AI</li> <li>Unit 2: Advanced Concepts of Modelling in AI</li> <li>Unit 3: Evaluation Methods</li> <li>Unit 4: Statistical Data</li> <li>Unit 5: Computer Vision</li> <li>Unit 6: Natural Language Processing</li> </ul> <b>Employability Skills:</b> Unit 1: Communication Skills-II Unit 2: Self-Management Skill- II Unit 3: ICT Skills-II Unit 4: Entrepreneurial Skills-II Unit 5: Green Skills-II	