BLOOM PUBLIC SCHOOL

C-8 Vasant Kunj, New Delhi

Syllabus for the Session 2026-27

Class: X

Subject: ARTIFICIAL INTELLIGENCE

SYLLABUS			
MONTH	**CHAPTER**	**CONTENT (Topics)**	**Practical/Activities**
April	**Employability Skills:** **Unit 1:** Communication Skills **Subject Specific Skills:** **Unit 1:** Revisiting AI Project Cycle & Ethical Framework of AI **Unit 7:** Advance Python	• Methods / Types of 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 • Python Basics	Revising the Python Basics (variables, different datatypes)
May	**Employability Skills:** **Unit 2:** Self-management Skills **Subject Specific skills:** **Unit 2:** Advanced Concepts of Modelling in AI **Unit 7**: Advance Python	• Stress Management, Self-awareness, Strength and Weakness Analysis, Self-motivation, Self-regulation — Goal Setting, Self-regulation — Time Management. • Differentiate between AI, ML and DL • Types of AI models –Rule based, Learning based • What is neural network? • Python	Reiterating the Python Basics
July	**Employability Skills:** **Unit 3:** Information and CommunicationTechnology Skills **Subject Specific Skills:** **Unit 2:** Advanced Concepts of Modelling in AI **Unit 3** : Evaluation Methods **Unit 7:** Advance Python	• Basic Computer Operations, Performing Basic File Operations, Computer Care and Maintenance, Computer Security and Privacy • What is neural network? • What is evaluation & why do we need a model evaluation? Introduction to Python, Python Basics	Revising + basic Python programming
August	**Employability Skills:** **Unit 4**: Entrepreneurial Skills **Unit 5:** Green Skills	• Entrepreneurship and Society, Qualities and Functions / Myths of an Entrepreneur, as a Career Option • Sustainable Development, Our	Python programs using conditional statements.

	Subject Specific Skills: **Unit 3** : Evaluation Methods **Unit 5:** Computer Vision **Unit 7:** Advance Python	Role in Sustainable Development • Confusion matrix • Concepts of Computer Vision • Application of CV • Python Programs	
September	**Subject Specific Skills:** **Unit 5**: Computer Vision **Unit 7:** Advance Python	• Concepts of Computer Vision • Application of CV • Computer Vision Tasks	Practical Examination
October	**Subject Specific Skills:** **Unit 6**: Natural Language Processing **Unit 4**: Statistical Data **Unit 7:** Advance Python	• Introduction to NLP & its applications • Concepts in NLP, Sentiment • Analysis Processing using real life datasets. • Introduction to Data Science & its applications.	Python programs using Loop statements
November	**Unit 6**: Natural Language Processing **Unit 7:** Advance Python	• Concepts in NLP, Sentiment • Analysis Processing using real life datasets.	Python programs using Loop statements
December	PREBOARD - 1	Whole syllabus	
January	PREBOARD - 2 / BOARD PRACTICALS	Whole syllabus	

ASSESSMENT SYLLABUS

PERIODIC ASSESSMENT -1	**Subject specific skills:** Unit 1: Revisiting AI Project Cycle & Ethical Framework for AI **Employability Skills:** Unit 1: Communication Skills
PERIODIC ASSESSMENT -2	**Subject specific skills:** Unit 2: Advanced Concepts of Modelling in AI & Neural Networks **Employability Skills:** Unit 2: Self-management Skills Unit 3: ICT Skills Unit 4 : Entrepreneurial Skills
MID TERM EXAM	**Subject specific skills:** Unit 1: Revisiting AI Project Cycle & Ethical Framework for AI Unit 2: Advanced Concepts of Modelling in AI Unit 3: Evaluation Methods Unit 7: Advance Python Unit 5: Computer Vision **Employability Skills:** Unit 1: Communication Skills Unit 2: Self-Management Skills Unit 3: ICT Skills Unit 4 : Entrepreneurial Skills
PREBOARD EXAMINATION 1	**Subject specific skills:**

	Unit 1: Revisiting AI Project Cycle & Ethical Framework for AI Unit 2: Advanced Concepts of Modelling in AI Unit 3: Evaluation Methods Unit 4: Statistical Data Unit 5: Computer Vision Unit 6: Natural Language Processing **Employability Skills:** 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
PREBOARD EXAMINATION 2	**Subject specific skills:** Unit 1: Revisiting AI Project Cycle & Ethical Framework for AI Unit 2: Advanced Concepts of Modelling in AI Unit 3: Evaluation Methods Unit 4: Statistical Data Unit 5: Computer Vision Unit 6: Natural Language Processing **Employability Skills:** 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