



N.C. JINDAL PUBLIC SCHOOL

Road No.-73, PUNJABI BAGH (W), NEW DELHI-110026

ANNUAL CURRICULUM (2026-27)

CLASS:X	SUBJECT:Artificial Intelligence		SUBJECT TEACHER: Vijay Lakshmi Gupta/ Ritika Dewan/Richa Thareja		DESIG: PGT -Computer Science , TGT-Computer Science		
Syllabus Topic	Academic Book	Chapter	Chapter Topic	Term	Start Date	End Date	No. of Periods
	Artificial Intelligence by Sultan Chand	Part A:Unit 1: Revisiting AI Project Cycle & Ethical Frameworks for AI	AI Project Cycle	I	1-4-2026	24-4-2026	6
			Cycle: Problem Scoping Data Acquisition Data Exploration Modelling Evaluation Deployment				
			Introduction to AI Domains				
			Ethical Frameworks of AI				
			Bioetics				
		Part B:Unit 7:Adavnced Python	Introduction	I	27-04-2026	08-05-2026	2
			Installing Jupyter				
			Building Blocks of Python:The Basics				
			Conditional Statements				
			Looping Statements				
		Part A: Unit 1: Communication Skill - II	Explanation	I	11-5-2026	16-5-2026	2
			Communication Cycle				
			Sentences				
		Part B: Unit 2:Advanced Concepts of Modeling in AI	Revisiting AI,ML and DL	I	1-7-2026	24-7-2026	6
			Modeling				
			Learning Models				
			Supervised vs Unsupervised Learning				
			Artificial Neural Networks				
			Deep Learning				
		Part A: Unit 3: ICT Skill-II	Explanantion	I	27-07-2026	07-08-2026	4
			Operating System				
			Microsoft Windows OS				
			Computer Security and Privacy				
		Part B:Unit 3:Evaluating Models	Importance of Model Evaluation				

			Splitting the training set data for				
			Accuracy and Error	I	10-08-2026	27-08-2026	6
			Evaluation metrics for classification				
			Numerical Based on Confusion Matrics				
		Part A: Unit 2: Self Management Skill-II	Explanation				
			Self Management	I	31-8-2026	3-9-2026	2
			Stress and its Management				
		Revision:			05-09-2026	10-09-2026	2
		Part B: Unit 5:Statistical Data	Introduction				
			Installind Oranage Data Mining Tool				
			Orange Data Mining Tool	II	27-09-2026	09-10-2026	2
			No Code AI-Orange Data Mining				
		Part B:Unit 5:Computer Vision	Introduction				
			Concepts of Computer Vision				
			Applications of Computer Vision	II	12-10-2026	31-10-2026	4
			Basics of Images				
			Image Featurs				
			Convolutional Neural Network:Layers				
		Part B:Unit 6:Natural Language Processing	Introduction				
			Concepts of Natural Languages				
			Applications of Natural Language Processing	II	02-11-2026	13-11-2026	6
			Human Language vs NLP				
			Semantic Analysis				
			Case Study				
		Part A: Unit 4 :Entrepreneurial Skills-II	Introduction				
			Entrepreneurship as a Career	II	16-11-2026	21-11-2026	2
			Functions and Roles of an Entrepreneur				
		Part A: Unit 5 :Green Skills-II	Introduction				
			Sustainable Dvelopment	II	23-11-2026	30-11-2026	2
			Green Skills and their Rolls				
		Revision:			1-12-2026	5-12-2026	4



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Half Yearly Exam: 2026-27

CLASS:X	SUBJECT:Artificial Intelligence	
S. No.	Chapter/Topic	Max. Marks
1	Part A: Unit 1: Communication Skills-II Unit 2: Self Managemnet Skills-II Unit 3: ICT Skills	10
2	Part B: Unit 1: Revisiting AI Project Cycle & Ethical Framework for AI Unit 2: Advanced Concepts of Modeling in AI Unit 3: Evaluating Models Unit 7: Advanced Python(only for Practicals)	40
	Total (Theory)	50
	Total (Practical)	50
	Total	100



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Preboard Exam: 2026-27

CLASS:X	SUBJECT:Artificial Intelligence	
S. No.	Chapter/Topic	Max. Marks
1	Part A: Unit 1: Communication Skills-II Unit 2: Self Managemnet Skills-II Unit 3: ICT Skills Unit 4: Enterpreneurial Skills-II Unit 5: Green Skills-II	10
2	Part B: Unit 1: Revisiting AI Project Cycle & Ethical Framework for AI Unit 2: Advanced Concepts of Modeling in AI Unit 3: Evaluating Models Unit 4: Statistical Data (only for Practicals) Unit 5: Computer Vision Unit 6: Natural Language Processing Unit 7: Advanced Python(only for Practicals)	40
	Total (Theory)	50
	Total (Practical)	50
	Total	100