

B K BIRLA CENTRE FOR EDUCATION (2025-26)
ARTIFICIAL INTELLIGENCE (843)
CLASS XI

S.No	Month		Week	Topic/Unit Name	Contents
1	April'25				
2	May'25				
3	June'25	19	2nd	ICT Skills - III	Introduction , Editing Text
				Communication Skills - III	Importance of Communication, Elements of Communication, Factors Affecting Perspectives of Communication, Public Speaking, 7 Cs of Communication Checklist, Verbal Communication, Non-verbal communication, Visual Communication, Types of Communication Styles, Writing Skills, Sentence, Types of Sentences, Parts of Speech, Connecting word or Conjunctions, Active /Passive Voice, Open ended/Cls-ended questions, Phrases, Persuasion / Refusal Skills
			3rd	Entrepreneurial Skills - III	Entrepreneurial Skills, Types of Business Activities, Values, Attitude
				Self Management Skills - III	Impressive Appearance and Grooming, Importance of Dressing Appropriately, Looking Decent and Positive Body Language, Personal Grooming Checklist, Self Exploration Techniques, Teamwork Skills, Time Management Strategies and Techniques, Setting and Prioritizing Goals, Creating a Schedule, Balancing work and Leisure, Breaking Large Tasks into Smaller Tasks
			4th	Revision-01	Communication & Self Management Skills
4	July'25	27	1st	Periodic Test -01	30th June to 7th July 2025
			2nd	Green Skills - III	Introduction , Components of Green Economy, Water Management, Waste Management , Policy Initiatives for Green Economy in India
			3rd	Green Skills - III	Introduction , Components of Green Economy, Water Management, Waste Management , Policy Initiatives for Green Economy in India
			4th	Revision-02	Entrepreneurial Skills - III, Green Skills - III
			1st	Pre Mid Term Exam	1st August to 8th August 2025
5	August'25	23	2nd	Unit-01 Artificial Intelligence for Everyone: Introduction to AI, Domains of AI and Career in AI	Intelligence, Artificial Intelligence, Deep Learning, Jobs and AI, First Domain, Applications , Second Domain, Daily Life Examples, Third Domain, The Global Demand, The Diverse Landscapes, Essential Skills, Potential roles and responsibilities, Professional
			3rd	Unit-02 Unlocking your future of AI , Career in AI,	Characteristics and Types of AI, Data Driven AI, Cognitive Computing, Human Language Vs Computer Language
			4th	Unit 3: Python Programming :Flow of Control & Conditions, CSV files, Numpy pandas)	Natural Language Processing (NLP), Chatbots, Machine Learning or AI based Chatbots, Computer Vision : How does computer see an image
			4th	Unit-04 Introduction to Capstone project, Framework for the capstone project, Unit-05 Data Literacy - Data Collection to data Analysis	Deep Learning, Artificial Intelligence and Society, Challenges Posed by AI
6	September'25	25	1st	Mid Term	4th Sept to 18th Sept 2025
			2nd	Mid Term	
			3rd	Mid Term	
			4th	Unit-5 (Continuation) Data Analysis and Visualization, Matrices)	Data Preprocessing, Modelling, Example of Decision Tree, Learning based approach, Matrices, Introduction to Matrices, Set Theory, Databases, Set Operations, Database Operations
7	October'25	13	1st	Unit 6 Machine Learning Algorithms- Introduction to ML, Machine Learning Algorithms)	
			2nd	Unit-7 : Leveraging Linguistics and Computer Science Chapter 13 Natural Language Processing	Introduction, Need for Ethics, Will Intelligent Machines have rights ?, Data Privacy, Ethical Dilemma
			3rd	Revision -03	
8	November'25	23	1st	Periodic Test -02	4th Nov to 11 Nov 2025
			2nd		
			3rd	Natural Language Processing	Human Intelligence Vs Computer Language, Emotion Detection and Sentiment Analysis
			4th	Unit-8: AI Ethics and Values	Ethics in AI, The five pillars of AI ethics, Bias in AI, Implicit and Explicit Bias, Mitigating Bias, AI working for good.Examples of Using AI for Good, AI Bias, Examples of Use Cases, Ethical Objectives for AI Applications, AI : Ethics, Bias and Trust
9	December'25	20	1st	Periodic Test-02	2nd Dec 2024 to 9th Dec 2024
			2nd	Critical and Creative Thinking	Introduction, Identifying the problem to solve, Ideate, Empathy Map
			3rd	Revision-04	Ethical Concerns and Bias, Storytelling with Data
10	January'26	22	1st	Data Analysis	Introduction, Types of Data, Representation of Data, Correlation, Data Exploration, Case, Variables and levels of Measurement, Data Matrix, Z-Score
			2nd	Post Mid Term	6th Jan 2025 to 13th Jan 2026
			3rd	Regression	Correlation and Regression, Types of Correlation, Pearson's r, Regression, contingency Tables
			4th	Classification & Clustering	What is Machine Learning ?, Binary Classification, How to Calculate a confusion Matrix ?
11	February'26	23	1st	AI Values	Introduction, AI for social good, AI Bias, Principles for Ethical AI
			2nd		
			3rd	Annual Exam	10th February to 23rd February 2026
			4th		
12	MARCH	22	1st	5	
			2nd	6	
			3rd	5	
			4th	5	
			5th	1	