

Artificial Intelligence Annual & Weekly Syllabus Split-Up - 2025-26
Grade IX

S.No	Month	No. of Working Days		No. of Days	Topic	Sub Topic	Resources	Activity	Mid April Test	Periodic Test 1	Pre Mid Term	Mid Term	Periodic Test 2	Post Midterm	Annual
1	March		Week 1												
			Week 2	6											
			Week 3	5											
			Week 4	6											
			Week 5	6											
2	APRIL	23	Week 1	5	AI Reflection, Project Cycle and Ethics	Intelligence, AI, Types of AI, How do machines become Intelligent, AI around Us, What is Not AI, Importance of AI, AI in India	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	The AI game : To participate in games based on different AI domains							
			Week 2	5	AI Reflection, Project Cycle and Ethics	Domains of AI, Applications of AI, Adv & Disadv of AI, AI Project Cycle, Problem Scoping and setting Goals for AI project	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	1: Rock, Paper and Scissors(based on data) 2 : Quick Draw (based on Comp Vision CV)							
			Week 3	4	AI Reflection, Project Cycle and Ethics	4Ws Problem canvas, Ethical Issues, Data acquisition, Data exploration, Modelling, Evaluation, Deployment	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos								
			Week 4	6	Data Literacy	Define data Literacy, Data Pyramid and its different stages, Impact of data literacy, Process Framework, Data security and Privacy,	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Impact of new articles reference videos. Trend Analysis							
			Week 5	3	Data Literacy	Data acquisition, Usability, features and preprocessing of Data	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos								
3	JUNE	19	Week 1	0											
			Week 2	6	Data Literacy	Data Processing & Interpretation, Data Interpretation : Types, Methods, Importance	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos								
			Week 3	6	Communication Skills	Communication, Perspective in communication, Effective communication, Types of Communication, Greetings, 3P's of Public speaking,	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Draw a diagram of communication cycle							
			Week 4	6	Communication Skills	Writing Skills, Phrases, sentence, speech, Articles, Construction of a paragraph, Pronunciation basics	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	GD on factors affecting perspective in communication							
			Week 5	1	Revision for Periodic Test 1		Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos								
4	JULY	27	Week 1	5	Periodic Test 1	30 June to 7 July 2025									
			Week 2	6	Self Management Skills	Self Management skills, Self confidence, Qualities of a self confident person, factors that help in building self confidence	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Strength and weakness analysis							
			Week 3	6	Self Management Skills	Self confident building tips, Positive thinking, Personal Hygiene, Grooming	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos								

			Week 4	6	ICT Skills	ICT, Mobile device layout, What is a computer, Input, Processing and Output devices, Memory, Peripheral devices, Mother Board	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Discussion on the role and importance of ICT in personal life and at workplace								
			Week 5	4	ICT Skills and revision for Pre Mid Term	OS, Booting, Files , folders, Keyboard, Internet, Microsoft Edge, Email, Social Media, Digital India	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos									
5	AUGU ST	23	Week 1	2	Pre Mid Term Exam	1 Aug to 8 Aug 2025										
			Week 2	5	Maths for AI	How are maths and AI Related ?, Essential Mathematics for AI	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Observe the number pattern and find the missing number,								
			Week 3	5	Maths for AI	Statistics, Application of statistics	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Applications of statistics in daily life : Collect data and tabulation								
			Week 4	6	Maths for AI	What is Probability in Statistics, Applications of Probability	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos									
			Week 5	5	Revision	Revision	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos									
6	SEPT MBER	25	Week 1	5	Term 1	4 Sept to 18 Sept 2025										
			Week 2	6	Term 1	4 Sept to 18 Sept 2025										
			Week 3	6	Term 1	4 Sept to 18 Sept 2025										
			Week 4	6	Introduction to generative AI	Real Image Vs AI-Generated Images, AI or Real Image.. How to Identify, Supervised Learning and Discriminative Modelling	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Hands on practical : Generative AI tools								
			Week 5	2	Introduction to generative AI	Unsupervised Learning and Generative Modelling, Examples of Generative AI, Generative AI Boon or Bane	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos									
7	OCTO BER	13	Week 1	3	Introduction to generative AI	Generative AI Tools, ethical Considerations of using Generative AI, responsible use of Gen AI	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos									
			Week 2	6	Entrepreneurial Skills	Business, Types of business activities, Entrepreneur, Entrepreneurship, Entr Dev, Steps forstarting a business	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Prepare list of businesses that provides goods and services in exchange for money.								
			Week 3	4	Entrepreneurial Skills	Features of an entrepreneur, Qualities and Roles of an entrepreneur, Difference between Businessman and Entrepreneur	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos									
			Week 4	0												
			Week 5	0												
8	NOVE MBER	23	Week 1	0	Periodic Test 2	4 Nov to 11 Nov 2025										
			Week 2	5	Periodic Test 2	4 Nov to 11 Nov 2025										
			Week 3	6	Introduction to Python	Computer Problem Solving, control Structures, algorithm, Flowchart, Difference between Algorithm and Flowchart, What is CodeCombat	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Students will try some basic problem solving exercises using python compiler								
			Week 4	6	Introduction to Python	Programming language, What is Python, Features of Python, Role of Python in AI, Applications of Python, Installing Python	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Practical : Flow of control and conditions								
			Week 5	6	Introduction to Python	Working in Python, Python character set, Statements in Python, Tokens, Operator Precedence, variables, Data Types, Comments in Python	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Practical : Python Lists								

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