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

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
2	APRIL	23	Week 1	5	1. Advanced Concepts of AI	Basic introduction of AI,	Internet,Textbook, Audio Visual Contents, Live domestic models	https://teachablemachine.withgoogle.com							
			Week 2	5	1. Advanced Concepts of AI	Machine Learning	Internet,Textbook, Audio Visual Contents, Live domestic models								
			Week 3	4	1. Advanced Concepts of AI	Different types of Machine learning									
			Week 4	6	1. Advanced Concepts of AI	Exercise									
			Week 5	3	2. Ethical Consideration	Need for etics,Example of Ethical Issues in an AI application	Internet,Textbook, Audio Visual Contents,example	https://ai-art.tokyo/en							
3	JUNE	19	Week 1	0											
			Week 2	6	2. Ethical Consideration	Ethical objectives for AI applciations									
			Week 3	6	2. Ethical Consideration	Exercise									
			Week 4	6	Revision	Revision									
			Week 5	1	Revision	Revision									
4	JULY	27	Week 1	5	Periodic Test 1	Revision									
			Week 2	6	3.First Domain of AI(Data)	Data,importance of Data in an AI application	Internet,Textbook, Audio Visual Contents,example	www.ibm.com/in-en/topics/data-recovery							
			Week 3	6	3.First Domain of AI(Data)	Data footprint, Data loss and recovery,data privacy,Data Visualization									
			Week 4	6	4.Second Domain of AI(Computer Vision)	Applications of Computer Vision,Understanding computer vision									
			Week 5	4	Revision	Revision									
5	AUGUST	23	Week 1	2	Pre Mid Term Exam	Revision									
			Week 2	5	4.Second Domain of AI(Computer Vision)	Image features,Exercise	Internet,Textbook, Audio Visual Contents,example	https://emojiscavengerhunt.withgoogle.com							
			Week 3	5	5.Third Domain of AI(Natural language Processing)	Human language vs Computer Language,Applications of NLP		https://autodraw.com							
			Week 4	6	5.Third Domain of AI(Natural language Processing)	Chatbots, Exercise									
			Week 5	5	Revision 1,2,3,4&5	Revision									
6	SEPTEMBER	25	Week 1	5	Term 1	Revision									
			Week 2	6	Term 1	Revision									
			Week 3	6	Term 1	Revision									
			Week 4	6	6.Real World Robots and their Applications	Domestic/Household Robots,Industrial Robots, Medical Robots,Defence Robots	Internet,Textbook, Audio Visual Contents,example	https://aws.amazon.com							
			Week 5	2	6.Real World Robots and their Applications	Defence Robots,Military Robots,Entertainment Robot		https://botsify.com							
7	OCTOBER	13	Week 1	3	6.Real World Robots and their Applications	Exercise									
			Week 2	6	7.Identification of Robots	Humanoid Robots,Industrial Robots,Mobile Robots	Internet,Textbook, Audio Visual Contents,example	https://control.com/technical-article							
			Week 3	4	7.Identification of Robots	Exercise									

			Week																
			Week 4	0															
			Week 5	0															
8	NOVEMBER	23	Week 1	0	Periodic Test 2	Revision													
			Week 2	5	Periodic Test 2	Revision													
			Week 3	6	8.Advanced HTML	Inserting Audio,Video in HTML	Computer,Text Editor,web browser,Text Book,Easi Board	www.w3schools.com/html											
			Week 4	6	8.Advanced HTML	Inserting Link in a Webpage													
			Week 5	6	8.Advanced HTML	Exercise													
9	DECEMBER	20	Week 1	6	9.Introduction to Operators and Strings Datatype in Python	Arithmetical,Relational and Logical Operators	Computer,Jupyter Notebook, Internet, W3schools.com,Textbook	https://creatability.withgoogle.com/sound-canvas											
			Week 2	6	9.Introduction to Operators and Strings Datatype in Python	Built in functions for working with numbers,String operators													
			Week 3	6	9.Introduction to Operators and Strings Datatype in Python	Exercise													
			Week 4	2	Revision	Revision													
			Week 5	0															
10	JANUARY	22	Week 1	0															
			Week 2	6	Post Mid Term Exam	Revision													
			Week 3	5	10. Conditional Statements and Control Statements	While Loop,for Loop	Computer,Jupyter Notebook, Internet, W3schools.com,Textbook	https://developers.google.com/edu/python/strings											
			Week 4	6	10. Conditional Statements and Control Statements	Jump Statement, Break and Continue	Computer,Jupyter Notebook, Internet, W3schools.com,Textbook													
			Week 5	5	10. Conditional Statements and Control Statements	Exercise													
11	FEBRUARY	23	Week 1	6	Revision	Revision													
			Week 2	6	Revision	Revision													
			Week 3	5	Revision	Revision													
			Week 4	6	Revision	Revision													
			Week 5	0															
12	MARCH	22	Week 1	5	Revision	Revision													
			Week 2	6	ANNUAL EXAMINATION (II - VIII)	Revision													
			Week 3	5															
			Week 4	5															
			Week 5	1															