Information Technology (802) Annual & Weekly Syllabus Split-Up - 2025-26 Grade XII

		No. of			Grade All									
S.No	Month	Working Days		No. of Topic Days	Sub Topic	Resources	Activity/Practical	Mid April Test	Periodic Test 1	Pre Mid Term	Mid Term	Periodic Test 2/ Pre Board	Post Midterm	Annual
			Week 1	Introduction to Database Concepts	What is data, Need for a Database,	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Characteristics and Types of DBMS							
			Week 2	Introduction to Database Concepts	Key Constraints	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Advantages and Limitations of database							
1	March		Week 3	Working with SQL	Introduction, Scenario 1	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Structured Query Language : select, Insert, Update, Create, Delete, Drop							
			Week 4	Working with SQL	Scenario 2, Scenario 3, Self Referencing tables	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos								
			Week 5	Working with SQL	Drop table, Alter Table, Drop a column	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos								
			Week 1	Working with SQL	Dropping a foreign key, Dropping primary key constrainst, Update command	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos								
			Week 2	Revision 5		Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos								
2	APRIL	23	Week 3	Mid April Test	15 April to 22 April 2025			Introduction to Database, Working with SQL						
			Week 4	Communication Skills	Communication, Active Listening, Stages of Active Listening, Interview Skills, Parts of Speech	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Demonstration of the key aspects of becoming active listener							
			Week 5	Communication Skills	Using capitals, Punctuation marks, Writing Skills, Types of sentences	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Demonstration and practice of writing sentences and paragraphs on topics related to the subjects							
			Week 1	0										
			Week 2	Operating Web Based 6 Applications	Introduction, Advantages of Online Reservation Systems	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Online Reservation System,							
3	JUNE	19	Week 3	Operating Web Based Applications	Key E-Governance Sites in India, Online Courses Tutorials and Tests	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Online shopping and Bill payments							
			Week 4	Operating Web Based 6 Applications	Design Phase, Implementation Phase, Testing Phase	Synopsis(Summary), Comp Lab, Videos	Online educational Sites							
			Week 5	Revision 1		Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos								
			Week 1	Periodic Test 1	30 June to 7 July 2025				Comm Skills, Operating Web based Appl					
			Week 2	Self management Skills	Motivation	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Group discussion on identifying needs and desire							
4	JULY	27	Week 3	Self management Skills	Motivation	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	demonstrate the knowledge of different personality types							
			Week 4	ICT Skills	Introduction, Starting OpenOffice Calc, Filter and Sorting	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Demonstrate and practice on the following: Spreadsheet application,							
			Week 5	ICT Skills	Presentation, Software packages for Presentation, Font Change of Text	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Explaining the features of presentation, printing a presentation document							
			Week 1	Pre Mid Term Exam	1 Aug to 8 Aug 2025					Self Mgmt, ICT Skills, Working with SQL				
			Week 2	Java Programming with Net Beans	Introduction, Control Flow, Exercises	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Data types and variables, operators							
5	AUGUST	23	Week 3	Java Programming with Net Beans	Arrays, object Oriented Programming,	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Control flow and arrays							
			Week 4	5 Revision		Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos								
			Week 5	6 Revision		Text Book, E-Book, Practice Worksheet,								
			" cen J	5		Synopsis(Summary), Comp Lab, Videos	1							

			Week 1	5	Term 1	4 Sept to 18 Sept 2025				Introduction to Database, Working with SQL, Comm Skills, Operating Web based Appl, Self Mgmt, Ict skills		
			Week 2	6	Term 1	4 Sept to 18 Sept 2025						
			Week 3	6	Term 1	4 Sept to 18 Sept 2025						
6	EPTEMBE	25	Week 4	6	Java Programming with Net Beans	Database Connectivity, Assertions, Thread, Wrapper Classes	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Class design and Java Library				
			Week 5	2	Entrepreneurial Skills	Features of Entrepreneurship, Qualities, Types, Roles 7 Functions of Entrepreneur, Startups, Barriers to becoming an Entrepreneur,	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Preparation of competencies profile of students				
	OCTOBER	13	Week 1	3	Green Skills	Introduction to Green jobs, Benefits of Green jobs	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Listing of green jobs and preparation of posters on green job profiles				
			Week 2	6	Work Integrated Learning IT - DMA	Online Shopping Website - Case Study	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Identification of Potential work area				
7			Week 3		Work Integrated Learning IT - DMA	Online Shopping Website - Case Study	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	A shopping website - case study				
			Week 4	0			Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos					
			Week 5	0			Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos					
	JOVEMBEI	23	Week 1	0	Pre Board 1	4 Nov to 17 Nov 2025					Full Syllabus	
			Week 2	5	Pre Board 1	4 Nov to 17 Nov 2025						
8			Week 3	6	Pre Board 1	4 Nov to 17 Nov 2025						
			Week 4	6	Revision	Revision/Practical / Project						
			Week 5	6	Revision	Revision/Practical / Project						
			Week 1	6	Revision	Revision/Practical / Project						
			Week 2	6	Pre Board 2	9 Dec to 19 Dec 2025						
9	DECEMBE		Week 3	6	Pre Board 2	9 Dec to 19 Dec 2025						
			Week 4	2	Practice Test 1	25 Dec to 31 Dec 2025						
			Week 5	0	Practice Test 1	25 Dec to 31 Dec 2025						

	-	Week 1	0									
		Week 2	6	Pre Board 3	6 Jan to 27 Jan 2026		· · · · · · · · · · · · · · · · · · ·					
JANUARY	22	Week 3	5	Pre Board 3	6 Jan to 27 Jan 2026							
		Week 4	6	Pre Board 3	6 Jan to 27 Jan 2026							
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FEBRUARY	Y 23	Week 3	5									
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MARCH	22	Week 3	5									
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		Week 5	1									
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