

CBSE Class XII – Information Technology (802)

Session: 2026–27

Month-wise Syllabus Planning

MONTH	TOPIC	LEARNING OBJECTIVE	RESOURCES/ART-INTEGRATED PEDAGOGY TOOLS USED/ E-RESOURCES	LEARNING OUTCOMES AND SKILLS LEARNT BY STUDENTS
APRIL (Term 1 – Part 1)	Employability Skills Unit 1: Communication Skills-IV • Methods of communication • Verbal & non-verbal communication • Presentation skills Unit 1: RDBMS (Basics) • Database concepts • Types of databases • Tables & keys	• Apply effective communication techniques • Demonstrate speaking & listening skills • Understand database fundamentals • Identify components of RDBMS	1. Demonstration of the key aspects of becoming active listener 2. Preparing posters of steps for active listening 3. Demonstration and practice of writing sentences and paragraphs on topics related to the subject	1. Describe the steps to active listening skills 2. Demonstrate basic writing skills 3. • Basics of RDBMS. • SQL – Creating and Opening Database. • Creating and populating tables.
MAY (Term 1 – Completion)	Employability Skills Unit 2: Self-Management Skills-IV • Self-motivation • Stress & time management Subject Specific Skills Unit 1: RDBMS (SQL) • SQL Queries (DDL, DML) • Data handling Unit 2: Web Applications	• Apply self-management strategies • Improve productivity • Write basic SQL queries • Use web applications safely	1. Group discussion on identifying needs and desire 2. Discussion on sources of motivation and inspiration	1. Describe the various factors influencing self-motivation. 2. Describe the basic personality traits, types and disorders. • Modifying the content and structure of the table. • Ordering and Grouping.

	(Intro) • Internet basics • Web services			• Operating with multiple tables.
JULY (Term 2 – Part 1)	Employability Skills Unit 3: ICT Skills-IV • Digital tools • Online collaboration Subject Specific Skills Unit 2: Web Applications (Advanced) • Cloud computing • Online transactions	• Use ICT tools effectively • Manage digital data • Apply cloud services • Use secure online platforms	1. Demonstration and practice on the following: • Introduction to the spreadsheet application • Listing the spreadsheet applications • Creating a new worksheet • Opening the workbook and enter text • Resizing fonts and styles • Copying and moving the cell data • Sorting and Filter the data • Applying elementary formulas and functions • Protecting the spreadsheet with password • Printing a spreadsheet • Saving the spreadsheet in various formats.	1. Perform tabulation using spreadsheet application
♦ AUGUST (Term 2 – Part 2)	Employability Skills Unit 4: Entrepreneurial Skills-IV • Entrepreneurship concepts • Business planning Subject Specific Skills Unit 3: Fundamentals of Java (Basics) • Java introduction • Data types & operators • Control statements	• Develop entrepreneurial thinking • Identify business opportunities • Write basic Java programs • Understand syntax and logic	1. Barriers to becoming entrepreneur 2. Behavioral and entrepreneurial competencies– adaptability/ decisiveness, initiative/perseverance, interpersonal skills, organizational skills, stress management, valuing service and diversity • Online Reservation Systems. • E-Governance. • Online Shopping and Bill payments. • Online Tutorials and Tests. • Project Management – Web Based Application development.	1. Identify the general and entrepreneurial behavioral competencies
SEPTEMBER	TERM 1 EXAMINATION			

♦ OCTOBER (Term 2)	Employability Skills Unit 5: Green Skills-IV ● Sustainable development ● Environmental awareness Subject Specific Skills Unit 3: Java (Advanced) ● OOP concepts ● Arrays & classes ● Exception handling	● Apply eco-friendly practices ● Understand sustainability	1. Role of green jobs in toxin-free homes, 2. Green organic gardening, public transport and energy conservation, 3. Green jobs in water conservation 4. Green jobs in solar and wind power, waste reduction, reuse and recycling of wastes, 5. Green jobs in green tourism 6. Green jobs in building and construction 7. Green jobs in appropriate technology 8. Role of green jobs in Improving energy and raw materials use 9. Role of green jobs in limiting greenhouse gas emissions 10. Role of green jobs minimizing waste and pollution 11. Role of green jobs in protecting and restoring ecosystems 12. Role of green jobs in support adaptation to the effects of climate change.	1. Listing of green jobs and preparation of posters on green job profiles 2. Prepare posters on green jobs.
♦ NOVEMBER (Term 2 – Completion)	Unit 4: Work Integrated Learning (DMA) ● Project work ● Real-life applications	● Develop Java-based applications ● Apply IT skills in projects	● Identification of Work Areas. ● Work Experience.	● Identification of Work Areas. ● Work Experience.