

ELECTRONIC TECHNOLOGY - SESSION PLAN 2025-26 Class XI

MONTH	UNITS	TOPICS COVERED	
		THEORY	PRACTICAL
Apr-25	UNIT 1:- Overview of Atom,Sub atomic Particles & CRO	Understand the fundamentals of basic electronics element. Understand of all about the Atom and electronics.Knowledge of different types of fields. Knowledge of Cathode Ray Oscilloscope.	Simple Demonstration: Applications of Cathode Ray Oscilloscope and different types of Energy. Diagram Drawing Activity: Students draw block diagram of a general purpose CRO Project : Students can make a project on Bohr's Atomic Model.
	UNIT 1: COMMUNICATION SKILLS – III	Methods of communication Verbal Non-verbal Visual	Writing pros and cons of written, verbal and non-verbal communication Listing do's and don'ts for avoiding common body language mistakes
May-25	UNIT 1: COMMUNICATION SKILLS – III	Communication stylesassertive, aggressive, passive aggressive, submissive, etc.	Observing and sharing communication styles of friends, teachers and family members and adapting the best practices Role plays on communication styles.
	SUMMER VACATION (11TH MAY- 30TH JUNE)		
Jun-25	SUMMER VACATION (11TH MAY- 30TH JUNE)		
Jul-25	UNIT 1:- Overview of Atom,Sub atomic Particles & CRO	Understand the fundamentals of basic electronics element. Understand of all about the Atom and electronics.Knowledge of different types of fields. Knowledge of Cathode Ray Oscilloscope.	Simple Demonstration: Applications of Cathode Ray Oscilloscope and different types of Energy. Diagram Drawing Activity: Students draw block diagram of a general purpose CRO Project : Students can make a project on Bohr's Atomic Model.
	UNIT 1: COMMUNICATION SKILLS – III	Writing skills to the following: • Sentence • Phrase • Kinds of Sentences • Parts of Sentence • Parts of Speech • Articles • Construction of a Paragraph	Demonstration and practice of writing sentences and paragraphs on topics related to the subject
	UNIT 2: SELF - MANAGEMENT SKILLS – III	Describe the importance of dressing appropriately, looking decent and positive body language	Demonstration of impressive appearance and groomed personality
		Describe the term grooming Prepare a personal grooming checklist	Demonstration of the ability to self- explore
Aug-25	UNIT 2: VOLTAGE AND CURRENT	Understand of fundamentals of electric parameter i .e. voltage, current and all their associated parts. Understand of all the electrical components (resistor,inductor and capacitor).Knowledge of various types of voltage and current sources. Understand the difference between energy and power.	Demonstration on current Practical on OHM'S Law and different types of Resistors . Give the real time examples related to topic.
	UNIT 2: SELF - MANAGEMENT SKILLS – III	Describe the important factors that influence in team building	Group discussion on strategies that are adopted for team building and team work
		Meaning and importance of time management – setting and prioritizing goals, creating a schedule, making lists of tasks, balancing work and leisure, using different optimization tools to break large tasks into smaller tasks.	Game on time management Checklist preparation To-do-list preparation

	UNIT 3: INFORMATION AND COMMUNICATION TECHNOLOGY SKILLS – III	. Introduction to word processing.	Demonstration and practice of the following: • Listing the features of word processing • Listing the software packages for word processing • Opening and exit the word processor • Creating a document
Sep-25	UNIT 3: INFORMATION AND COMMUNICATION TECHNOLOGY SKILLS – III	Software packages for word processing. Opening and exiting the word processor. Creating a document	Demonstration and practice of the following: • Listing the features of word processing • Listing the software packages for word processing • Opening and exit the word
MID TERM EXAMINATION 16 SEPTEMBER 2025-1 OCTOBER 2025			
Oct-25	UNIT 3 : - BASICS OF SEMICONDUCTOR	Brief Knowledge of different semiconductor materials and their energy bands. Principal Knowledge of photo - electricmission. Knowledge of different types of semiconductor.	. Demonstration and practicing the following: Semiconductor materials Energy band Structure Filters,clippers and Clampers Types of Semiconductor Photo-electricemission
	UNIT 3: INFORMATION AND COMMUNICATION TECHNOLOGY SKILLS – III	Numbering and bullet Creating table Find and replace Page numbering. Printing document. Saving a document in various formats.	Diagram- Students can make the Diagram on Energy band
	UNIT 4: ENTREPRENEURIAL SKILLS- III	Values in general and entrepreneurial values	Listing of entrepreneurial values by the students
		Entrepreneurial value orientation with respect to innovativeness, independence, outstanding performance and respect for work	Group work on identification of entrepreneurial values and their roles after listing or reading 2-3 stories of successful entrepreneur. Exhibiting entrepreneurial values in Ice breaking, rapport building, group work and home assignments.
Nov-25	UNIT 4 : BIPOLAR JUNCTION TRANSISTOR	Understand the basics of Transistors. Understand the Fundamentals of biasing. Understand the various configurationsand parameters of Transistors. Understand about UJT.	Practical and Demonstration on Various Transistors. Real life examples related to topic
	UNIT 4: ENTREPRENEURIAL SKILLS- III	Attitudes in general and entrepreneurial attitudes Using imagination/ intuition	Demonstrating and identifying own entrepreneurial attitudes during the following micro lab activities like thematic appreciation test
		Enjoying freedom of expression and action	Preparing a short write-up on “who am I”
		Looking for economic opportunities	Take up a product and suggest how its features can be improved
Dec-25	UNIT 5 : TRANSISTOR AMPLIFIER AND APPLICATIONS	Understand the concept of amplifier. Understand the concept of feedback. Understand the concept of Thyristors - SCR, TRIAC and DIAC. Understand the basic operation of LASCR.	Demonstration on amplifier. Diagram - Students draw a diagram to explain positive and negative feedback. Give the real life examples related to topic.
	UNIT 4: ENTREPRENEURIAL SKILLS- III	Analyzing situation and planning action	Group activity for suggesting brand names, names of enterprises, etc.
		Involving in activity	Group activity for suggesting brand names, names of enterprises, etc.
WINTER BREAK 1 JAN 2026-15 JAN 2026			

Jan-26	UNIT 5: GREEN SKILLS – III	Utilization of animals in Bio-wastes and Biogas plant	Preparing a poster on any one of the sectors of green economy
		Main sectors of green economy- Ewaste management, green transportation, renewal energy, green construction, water management	
		Policy initiatives for greening economy in India	Writing a two-page essay on important initiatives taken in India for promoting green economy
Feb-26	UNIT 5: GREEN SKILLS – III	Stakeholders in green economy	Preparing posters on green Sectors/Areas: cities, buildings, tourism, industry, transport, renewable energy, waste management, agriculture, water, forests and fisheries
		Role of government and private agencies in greening cities, buildings, tourism, industry, transport, renewable energy, waste management, agriculture, water, forests and fisheries	
	REVISION		
Mar-26	ANNUAL EXAMINATION 2026		