







## ELECTRONICS HARDWARE SESSION PLAN 2025-26 (9TH)

MONTH	UNITS	TOPICS TO BE COVERED	
		THEORY	PRACTICAL
Apr-25	UNIT-1 BASICS OF ELECTRICAL AND ELECTRONICS	INTRODUCTION TO VARIOUS ASPECTS OF VOCATIONAL EDUCATION AND GIVE BRIEF OVERVIEW ABOUT THE IMPORTANCE OF IT.	ENLIST THE VARIOUS AREAS WHERE STUDENTS CAN LEARN ABOUT THEIR SECTOR & TRADE I.E. AUTOMOTIVE.
		ORIGIN OF ELECTRICITY ELECTRICAL QUANTITIES AC AND DC ELECTRICAL CIRCUIT SERIES AND PARALLEL CONNECTION OPEN CIRCUIT & CLOSED CIRCUIT OHMS LAW KIRCHOFF'S LAW ENERGY APPLIANCES	STUDENT CAN SHOW THE VARIOUS WORKING MODEL OF DIFFERENT TYPES OF ELECTRICAL APPLIANCES AND CONNECTION IN BOTH SERIES AND PARALLEL.
	EMPLOYABILITY SKILLS UNIT 1 COMMUNICATION SKILLS)	INTRODUCTION TO EMPLOYABILITY SKILL METHODS AND MODE OF COMMUNICATION VERBAL COMMUNICATION NON VERBAL COMMUNICATION VISUAL COMMUNICATION	ACTIVITIES BASED QUESTION ANSWERS AND QUIZ IN CLASSROOM IN ORDER TO GET THE DESIRED COMMUNICATION SKILL.
May-25	REVISION	REVISION CLASS FOR UNIT-1 & TAKE CLASS TEST FOR BETTER LEARNING.	STUDENT MUST GO THROUGH HANDS ON DEMONSTRATION AND ACTIVITIES TO UNDER THE IMPORTANCE OF AC AND DC CIRCUIT
	 <b>SUMMER VACATION (11TH MAY- 30TH JUNE)</b> 		
Jun-25	 <b>SUMMER VACATION (11TH MAY- 30TH JUNE)</b> 		
Jul-25	UNIT-2 ELECTRICAL AND ELECTRONIC COMPONENTS	ELECTRIC COMPONENT RESISTOR CAPACITOR INDUCTOR TRANSFORMER DIODE TRANSISTOR LED IC THEIR TYPES AND DEFINITION	IDENTIFYING PNP NPN DIODE MEASURE THE RESISTOR VALUES EXPERIMENT TO IDENTIFY PRIMARY WINDING AND SECONDARY WINDING OF STEP DOWN TRANSFORMER
	EMPLOYABILITY SKILLS UNIT-2 (SELF MANAGEMENT SKILLS)	STRESS MANAGEMENT TIME MANAGEMENT SELF MOTIVATION ADAPTABILITY DECISION MAKING ACCOUNTABILITY ORGANISATION SKILL DECISION MAKING SELF AWARENESS EMOTIONAL INTELLIGENCE	STUDENT CAN GIVEN GROUP ACTIVITIES TO UNDERSTAND THESE SELF MANAGEMENT SKILLS.



Aug-25	UNIT-3 TOOLS AND EQUIPMENT	HAND TOOLS MULTIMETER CLAMP METER PHASE TESTER PIPE WRENCH WIRE LUGS TDS METER SOLDERING IRON AND WIRE SOLDERING & DE-SOLDERING	IDENTIFYING THE NAME OF HAND TOOLS DEMONSTRATE THE USE OF HAND TOOL USE OF MULTIMETER DEMONSTRATE THE SOLDERING PROCESS AND DESOLDERING PROCESS CLAMP METER USAGE
	EMPLOYABILITY SKILLS 3 (ICT SKILLS)	UNIT- INTRODUCTION TO ICT ROLE AND IMPORTANCE OF ICT IN PERSONAL LIFE AND WORKPLACE VARIOUS ICT TOOLS SUCH AS MOBILE, TABLET RADIO, TV, EMAILS ETC.	1.DISCUSSION ON THE ROLE AND IMPORTANCE OF ICT IN PERSONAL AS WELL AS PROFESSIONAL LIFE. 2.PREPARING POSTERS/ COLLAGES FOR SHOWING THE IMPORTANCE OF ICT
	NOTEBOOK CHECKING AND INTERNAL ASSESSMENT	COMPLETION OF UNIT 1,2 & 3 FOR BOTH ELECTRONICS AND EMPLOYABILITY SKILLS FROM THE EXAM POINT OF VIEW & NOTEBOOK CHECKING.	PRACTICAL NOTEBOOK CHECKING
Sep-25	CONDUCT INTERNAL ASSESSMENT TEST CUM PERIODIC TEST FOR BOTH THE SECTORS I.E. ELECTRONICS AND EMPLOYABILITY SKILLS.	PERIODIC TEST -1 PERIODIC TEST -2	PRACTICAL WORK ASSESSMENT-1 PRACTICAL WORK ASSESSMENT -2
	MID TERM EXAMINATION 16 SEPTEMBER 2025-1 OCTOBER 2025		
Oct-25	UNIT-4 INSTALLING AN RO WATER PURIFIER	INSTALLATION REQUIREMENT WATER FLOW WATER PURIFICATION TECHNOLOGIES USED FOR WATER PURIFICATION PRECAUTION WHILE INSTALLING	VISITING THE SITE AND IDENTIFY THE PLACE FOR INSTALLATION CARRYING OUT PRE INSTALLATION ELECTRICAL WORK MAKE NECESSARY MARKING FOR PLACEMENT DEMONSTRATE THE PROCESS OF SITE INSPECTION AND PREPARATION
	EMPLOYABILITY SKILLS UNIT-4 ( ENTREPRENEURIAL SKILLS)	TYPES OF BUSINESS OPPORTUNITIES MEANING OF ENTREPRENEURSHIP DEVELOPMENT ROLE AND REWARD OF ENTREPRENEURSHIP	PREPARE POSTER FOR BUSINESS ACTIVITIES FOUND IN CITIES/VILLAGES USING PICTURES.DISCUSS THE VARIOUS TYPES ACTIVITY GENERALLY ADOPTED BY SMALL BUSINESSES IN A LOCAL COMMUNITY.COSTING OF PRODUCT, SELLING OF ITEM, GROUP DISCUSSION ACTIVITIES.



Nov-25	UNIT-5 REPAIR AND MAINTENANCE OF WATER PURIFIER	PRODUCTION RATE WATER CHEMISTRY DRAIN RATE INPUT WATER PRESSURE TEMPERATURE TYPES OF WATER PURIFIER AND THEIR MODELS.	DIAGNOSE THE FAULT INTERACTION CUSTOMER DEMONSTRATION WATER PRESSURE CHECKING PROCEDURE REPLACE THE DAMAGED COMPONENTS REMOVE THE FAULTY MODULE WITH THE FUNCTIONAL ONE REASSEMBLE THE UNIT
	EMPLOYABILITY SKILLS UNIT-5 (GREEN SKILLS)	INTRODUCTION TO ENVIRONMENT RELATION BETWEEN SOCIETY AND ENVIRONMENT NATURAL RESOURCE CONSERVATION ENVIRONMENT PROTECTION ACT AND RULES	GROUP DISCUSSION AND CLASSROOM ACTIVITY BASED ON GREEN SKILL TO BE PERFORMED THOROUGHLY.
Dec-25	INTERNAL ASSESMENT TO BE DONE FOR ANNUAL EXAMINATIONS	NOTEBOOK CHECKING CHAPTER & UNIT WISE CLASS TEST REVISION OF ALL UNITS FOR BOTH ELECTRONICS AND EMPLOYABILITY SKILLS AS WELL. INTERNAL ASSESMENT PRACTICAL FILE CHARTS SKILL BASED ACTIVITIES PRE VOCATIONAL ACTIVITIES	PRACTICAL TEST AND EXPERIMENTS TO BE PERFORMED FOR BETTER LEARNING OF STUDENTS. ALL THE TOPICS AND ASPECTS TO BE EXPLAINED AND THOROUGHLY DEMONSTRATED AS PER THE CURRICULUM
	UNIT-6 MAINTAIN HEALTH AND SAFETY	HAZARDOUS SUBSTANCE POSSIBLE ERRORS CLEANING THE FILTERS ENVIRONMENTAL FACTORS ANNOYING NOISE WATER SPLASHING TODOURS HIGH HUMIDITY	LIST THE SAFETY PRECAUTION POLICIES AND PROCEDURES DEMONSTRATE THE PACKAGING WASTE LIST HAZARD DURING REPAIR MATERIAL PROPERTY
Jan-26	 <b>WINTER BREAK 1 JAN 2026-15 JAN 2026</b> 		
	ORGANISATION OF VARIOUS OTHER NSQF ACTIVITIES FOR WHICH GRANTS/FUND RECEIVED	GUEST LECTURE FIELD VISITS INTERNSHIP INDUSTRY VISITS SKILL COMPETITION PRE VOCATIONAL ACTIVITIES MULTI SECTORAL SKILLS PRINTING OF BANNERS DISTRIBUTION OF SUPPORT MATERIAL TO STUDENTS PREVIOUS YEAR SAMPLE PAPERS VERIFICATION OF STOCK	ALL THE BILLS AND REPORTS REGARDING INDUSTRY VISIT, GUEST LECTURE, INTERNSHIP ARE TO BE PREPARED AND TO BE KEPT IN RECORDS FOR MONTHLY INSPECTION AND VERIFICATION.

Feb-26	REVISION FOR FINAL EXAMS	UNIT WISE TEST AND REVISION FOR BOTH ELECTRONICS AND EMPLOYABILITY SKILLS	
	REVISION		
Mar-26	ANNUAL EXAMINATION 2026		