



ELECTRONICS HARDWARE SESSION PLAN 2025-26 (11TH)

MONTH	UNITS	TOPICS COVERED	
		THEORY	PRACTICAL
Jul-25	UNIT-1 BASIC ELECTRICAL AND COMPUTER FUNDAMENTAL	CONCEPT OF ELECTRICITY, ACTIVE AND PASSIVE ELECTRICAL COMPONENTS, RESISTOR, CAPACITOR, INSULATORS, TRANSFORMER, SEMICONDUCTOR DIODE, TYPES OF POWER SUPPLY, INTEGRATED CIRCUIT, UPS, PRINTED CIRCUIT, SOLDERING & DESOLDERING.	IDENTIFY THE FOLLOWING WORKING OF:- ELECTRIC CIRCUIT, DEMONSTRATION OF WORKING OF POWER SUPPLY EQUIPMENTS ALL WORKING OF ELECTRICAL AND ELECTRONIC COMPONENT. THEIR SERVICE AND REPAIR PROCEDURE.
	EMPLOYABILITY SKILLS UNIT-1 (COMMUNICATION SKILLS)	METHOD OF COMMUNICATION COMMUNICATION STYLES WRITING SKILLS	PROS AND CONS OF WRITTEN COMMUNICATION AVOIDING COMMON MISTAKES WHILE TALKING TO OTHERS ROLE PLAY ON COMMUNICATION STYLES
Jul-25	UNIT-2 INSTALLATION AND CONFIGURATION OF OPERATING SYSTEM.	OVERVIEW OF OS, BOOTING PROCESS, TASK OF OS, WINDOWS, LINUX MAC DEVICE DRIVER, KERNEL, SHELL, WINDOW 10 SYSTEM REQUIREMENT, WINDOW 10 UPGRADE, 32BIT & 64 BIT VERSION OF WINDOW 10, CONFIGURING CORRECT BOOT ORDER, POST INSTALLATION TASK, STATIC IP ADDRESS, INSTALLATION OF PRINTER, INSTALLATION OF SCANNER, INSTALLING OF ANTIVIRUS SOFTWARE.	IDENTIFY THE DIFFERENT COMPONENT OF TRANSMISSION SYSTEM INSPECT THE FUNCTIONING OF CLUTCH
	EMPLOYABILITY SKILLS UNIT-2 SELF MANAGEMENT SKILLS	IMPORTANCE OF DRESSING LOOKING DESCENT BODY LANGUAGE GROOMING SELF EXPLORATION TEAM WORK SKILLS TIME MANAGEMENT VARIOUS STRATEGIES AND TECHNIQUES	STUDENT TO BE TAUGHT ABOUT IMPRESSIVE APPEARANCE GROOMED PERSONALITY TIME MANAGEMENT TEAM WORK LEADERSHIP
Aug-25	UNIT-3 INSTALLATION AND CONFIGURING OF COMPUTER HARDWARE.	INTRODUCTION TO MOTHERBOARD, COMPONENTS OF MOTHERBOARD, CHIP SET, BUS BUS SPEED, EXPLANATION SLOTS, CARDS, MEMORY SLOTS, JUMPERS, EXPANSION SLOTS, PANEL CONNECTOR, INPUT AND OUTPUT PORTS, BIOS AND CMOS PROCESSOR, CPU BASICS, PROGRAM EXECUTION, TYPES OF CPU, MEMORY, RAM ROM SDRAM, RDRAM, HDD IDE, SATA, SCSI	DEMONSTRATION OF ALL THE MENTIONED COMPONENTS IN THE CONCERNED AND DEDICATED LABS.
	EMPLOYABILITY SKILLS UNIT-3 INFORMATION AND TECHNOLOGY SKILLS	WORD PROCESSING EDITING TEXT WORD MS EXCEL MS POWERPOINT CREATING A FILE AND FOLDER	EDITING THE TEXT WORD WRAPPING AND ALIGNMENT CHANGING FONT TYPE HEADER & FOOTER AUTOCORRECTION OPTION SAVE AND PRINTING A DOCUMENT

Sep-25	CONDUCT INTERNAL ASSESMENT AND PERIODIC TEST FOR BOTH ELECTRONICS AND EMPLOYABILITY SKILLS	PERIODIC TEST -1 TEST -2 PERIODIC	PRACTICAL WORK ASSESMENT-1 PRACTICAL WORK ASSESMENT-2
		CHECKING OF NOTEBOOKS AND REVISION OF ALL UNITS THAT ARE EXPECTED TO COME IN MID TERM EXAMINATION.	
	MID TERM EXAMINATION 16 SEPTEMBER 2025-1 OCTOBER 2025		
Oct-25	UNIT-4 COMPUTER ASSEMBLY AND DISASSEMBLY	HARDWARE TOOLS, DIAGNOSTIC TOOLS, PROTECTING EQUIPMENT, ESD,ELECTROMAGNETIC INTERFERENCE, POWER FLUCTUATION, POWER PROTECTION DEVICE, COMPUTER DIS ASSEMBLY PROCESS, CONNECTION OF INTERNAL PARTS, LAPTOP ASSEMBLY PROCESS, DISMANTLING THE LAPTOP.	DEMONSTRATION OF ALL KIND OF ILLUSTRATIONS BY MEANS OF CONCERNED LABS. DEMONSTARTION BY VEDIO LECTURES CAN ALSO BE TAKEN INTO CONSIDERATION.
	EMPLOYABILITY SKILLS UNIT -4 ENTREPRENUERIAL SKILLS	GENERAL BUSINESS MINDSET BUSINESS ETHICS AND VALUES BELIEF SYSTEM CODE OF CONDUCT VALUE ORIENTATION GENERAL ATTITUDE AND BEHAVIOUR IMAGINATION INTUITION FREEDOM OF EXPRESSION ECONOMIC OPPURTUNITIES ANALYZING SITUATION ACTIVITY INVOLVEMENT	DENONSTRATING BY DOING CLASS ROOM ACTIVITIES AND GROUP ACTIVITIES SO THAT STUDENT CAN ABLE TO UNDERSTAND THESE SKILL.
Nov-25	EMPLOYABILITY SKILLS UNIT-5 (GREEN SKILLS)	SECTORS OF GREEN ECONOMY WASTE MANAGEMENT GREEN TRANSPORTATION RENEWAL ENERGY GREEN CONSTRUCTION WATER MSNAGEMENT	PREPARE POSTER ON ANY THREE SECTORS OF GREEN ECONOMY TWO PAGE ESSAY ON ON GREEN ECONOMY VARIOUS STAKES HOLDER OF GREEN ECONOMY AGRICULTURE WASTE FOREST AND FISHERIES
Dec-25	INTERNAL ASSESMENT TO BE DONE FOR ANNUAL EXAMINATIONS PREPARATION	NOTEBOOK CHECKING CHAPTER & UNIT WISE CLASS TEST REVISION OF ALL UNITS FROM AUTOMOTIVE AND EMPLOYABILITY SKILSS AS WELL. INTERNAL ASSESMENT PRACTICAL FILE CHARTS SKILL BASED ACTIVITIES PREVOCATIONAL 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 CURRICULAM

 WINTER BREAK 1 JAN 2026-15 JAN 2026 			
Jan-26	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 AUTOMOTIVE AND EMPLOYABILITY SKILLS	PRACTICAL WORK REPORT SUBMISSION AND REVISION
	REVISION		
Mar-26	ANNUAL EXAMINATION 2026		