

7. List of Topics: 121 CPE - Electronic Workshop

121 CPE- Electronic Workshop Syllabus and Schedule		
LECTURES	Topic	Duration in Weeks
Part A	Printed Circuit board: 1. Introduction to circuit maker and Trax maker, 2. 2 To 1 And 4 To 1 Multiplexer Circuit Diagrams 3. Stepper Motor Circuit Diagram, 4. Astable And Bistable Multivibrators, 5. Clipper Circuits & 555 Timer Circuits, 6. Full wave Rectifier using Bread Board	W1 – W4
--	Mid Exam	W5
Part B	Electrical Wiring: 1. Wire Joints, Soldering & Preparation of Cable Using Workstation, 2. Color code for network cable crimping, 3. Two way wiring & Types of Electrical Switches, 4. Staircase/go-down wiring, 5. AC Voltage Regulator, 6. Electrical wiring inside computer system	W6 – W9
--	Mid Exam	W10
Part C	Electrical Measurement Lab: 1. Digital Laser Tachometer, 2. Cable Locator, 3. Thermo-hygrometer, 4. Sound level Meter, 5. Clamp Multimeter, 6. EMF Meter, 7. Noise Dose Meter, 8. Megger, 9. LCR Meter, 10. Analog Multimeter.	W11 - W13
--	Mid Exam	W14
--	Final Theory exam	W15