

Lesson Plan

Name : **Sh Punjab Singh**
 Discipline : **Electronics & Communication Engg.**
 Semester : **4th**
 Subject : **Trouble Shooting of Electronic Equipment Lesson**
 Plan Duration :
 Work Load (Lecture / Practical) per week (in hours) : **Lecture-NIL, Practical-03**

Week	Practical days	Topics
1st	Group2	Introduction about Syllabus and Topics to be discussed 1. Fundamental Trouble Shooting Procedures i) Fault location
2nd	Group2	ii) Fault finding aids Service manuals Test and measuring instruments Special tools
3rd	Group2	Exp-1(a) Demonstration and practice of fault finding and repair of :CRO
4th	Group2	Exp-1 (b) Demonstration and practice of fault finding and repair of: Function Generator
5th	Group2	Exp-1(c) Demonstration and practice of fault finding and repair of: Power Supplies
6th	Group2	Exp-1(d) Demonstration and practice of fault finding and repair of: Digital multimeter
7th	Group2	iii) Trouble Shooting Techniques -Functional Areas Approach -Split half method
8th	Group2	- Divergent, convergent and feedback path circuit analysis - Measurement techniques
9th	Group2	Exp-2 Demonstration, practice of fault finding and repair of any one equipment from group-I i.e. Communication
10th	Group2	Exp-3 Demonstration, practice of fault finding and repair of any one equipment from group-II i.e. Consumer
11th	Group2	Exp-4 Demonstration, practice of fault finding and repair of any one equipment from group-III i.e. Audio/Video systems
12th	Group2	Exp-5 Demonstration, practice of fault finding and repair of any one equipment from group IV i.e. Computer
13th	Group2	Exp-6 Testing of Integrated Circuits(ICs)
14th	Group2	Exp-7 Use of digital tools for troubleshooting digital equipments
15th		Viva