

Govt. Polytechnic, Manesar (Gurugram)

Lesson Plan

Name of the Faculty : Manju (Lecturer)
Discipline : Electronics & Communication Engg.
Semester : 5th
Subject : Trouble Shooting of Electronic Equipment
Lesson Plan Duration : 15 weeks (from July 2019 to November 2019)

Work Load (Lecture / Practical) per week (in hours): Lecture-NIL, Practical-03

Practical		
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
3 rd	Group2	Exp-1(a) Demonstration and practice of fault finding and repair of :CRO
4 th	Group2	Exp-1 (b) Demonstration and practice of fault finding and repair of: Function Generator
5 th	Group2	Exp-1(c) Demonstration and practice of fault finding and repair of: Power Supplies
6 th	Group2	Exp-1(d) Demonstration and practice of fault finding and repair of: Digital multimeter
7 th	Group2	iii) Trouble Shooting Techniques -Functional Areas Approach -Split half method
8 th	Group2	- Divergent, convergent and feedback path circuit analysis - Measurement techniques
9 th	Group2	Exp-2 Demonstration, practice of fault finding and repair of any one equipment from group-I i.e. Communication
10 th	Group2	Exp-3 Demonstration, practice of fault finding and repair of any one equipment from group-II i.e. Consumer
11 th	Group2	Exp-4 Demonstration, practice of fault finding and repair of any one equipment from group-III i.e. Audio/Video systems
12 th	Group2	Exp-5 Demonstration, practice of fault finding and repair of any one equipment from group IV i.e. Computer
13 th	Group2	Exp-6 Testing of Integrated Circuits(ICs)
14 th	Group2	Exp-7 Use of digital tools for troubleshooting digital equipments
15 th		Viva

