

Govt. Polytechnic , Shergarh Kaithal
Electrical Engineering Department
Lesson plan

Name of Faculty		Mr. Pardeep Kumar
Discipline		Electrical Engineering
Semester		4 th
Subject		Programming Skills
Lesson Plan Duration		From 20/01/2025 to
Workload [Theory + Practical] Per Week		[00+06]
Week	Topic/ Practical	
1 st	Autocad Electrical . Introduction to electrical CAD interface	
2 nd	Previous continued	
3 rd	Preparing circuits using electrical components	
4 th	Previous continued	
5 th	Electrical Circuit Simulation (Using Qucs/Similar Open Source Application) . Introduction to simulator interface	
6 th	. Preparing Resistive circuit with voltage and current probes . Preparing R-L circuit with voltage and current probes	
7 th	. Preparing R-L-C circuit with voltage and current probes . Preparing Diode based circuits e.g. clipper, rectifier etc.	
8 th	. Preparing logic gates based circuits	
9 th	MyOpenLab/PyLab Works . Introduction to MyOpenLab	
10 th	. MyOpenLab Interface	
11 th	. Virtual circuit design using MyOpenLab	
12 th	Previous continued	
13 th	MATLAB/SciLab . Introduction to MATLAB	
14 th	. MATLAB Programming – input/output, graphs, functions, loops, structures	
15 th	. MATLAB programs for simple electrical circuits	