

LESSON PLAN

DEPARTMENT OF ELECTRICAL ENGINEERING, ITT, CHOUDWAR

SUBJECT: MAT-LAB

Periods: 3per week

SEMESTER: 4TH

NAME OF FACULTY:SATYAJIT PANI

No. of weeks: 15

Week	Class Day	Theory / Practical Topics
1st	1 st	.Functions and operation using variables and arrays
2 nd	1 st	To learn algebraic, trigonometric and exponential manipulation.
3 rd	1 st	To learn Arithmetic, Relational and Logic operator
4 th	1 st	Matrix formation and its manipulation
5 th	1 st	.Vector manipulation
6 th	1 st	.Plotting
7 th	1 st	Write and execute a file to plot a circle, impulse, step, ramp, sine and cosine functions. .
8 th	1 st	Use of Commonly used blocks, Math operation block and Display block from SIMULINK library
9 th	1 st	Use of logical and relational operator block
10 th	1 st	.Use of Sim-Power system block to use Electrical sources, elements and Power electronics devices
11 th	1 st	Verification of Network theorems
12 th	1 st	Simulation of a half wave uncontrolled rectifier
13 th	1 st	Simulation of 1-phase full bridge controlled rectifier
14 th	1 st	Simulation of step-down chopper.
15 th	1 st	SESSTIONAL

Teaching Faculty