

Course Type	Course Code	Name of Course	L	T	P	Credit
DP	MMC304	AUTOMATION AND CONTROL LAB	0	0	2	2

1	Determination of the characteristic of Silicon Control Rectifier (SCR) and Insulated Gate Bipolar Transistor (IGBT)
2	Experimental operation of DC to DC converter and DC to AC converter
3	Determination of the characteristic of Strain Gauge transducer/ Displacement Transducer/ Temperature Transducer
4	Development of control logic for Conveyor using Programmable Logic Controller (PLC)
5	Speed control of a DC Motor using Microcontroller
6	Speed control of a three phase AC Inductor Motor
7	Introduction to LabView software and making of Virtual Instrumentation (VI) program
8	Making of a Calculator using Virtual Instrumentation (VI) program
9	Making of a simple PID controller in LabView environment
10	DAQ using Labview