

Course Type	Course Code	Name of Course	L	T	P	Credit
DP	MMC211	MANUFACTURING TECHNOLOGY AND SOFT COMPUTING LAB	0	0	2	02

Manufacturing Technology Lab	
1	Preparation of mould cavity and making a casting for a given pattern
2	Making a gear with shaping and hobbing
3	Preparation of weld joint through TIG and MIG welding processes
4	Performing different operations on lathe machine
5	Measurement of cutting forces in turning operation on a CNC lathe machine
6	Sample preparation and microstructure study of welded joint
Soft Computing Lab	
7	Understanding MATLAB Desktop, command window and graph window; Plotting of graph;
8	Multiple graph in single window; creation of .m file; creating functions, saving of data.
9	Simple and complex calculation using MATLAB. Calculus; solving equations; matrix operation; determinant operations;
10	Introduction to Matlab/Simulink