

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E Semester: 2

Mechanical Engineering (CAD/CAM)

Subject Name CAM & Software Lab

Sr. No.	Practicals
1.	Introduction and features of advanced CNC system.
2.	Construction and working.
3.	Manual part programming preliminaries.
4.	Manual part programming Exercises.
5.	Computer Assisted Programming –APT and exercises.
6.	CAM Software and an exercise
7.	Introduction, Flexibilities, Computer Hardware, Software and functions.
8.	Scheduling Techniques and use of GT & JIT.
9.	Introduction, Steps to implement CIMS, Expert systems AI based scheduling.
10.	Specifications and features.
11.	CAD/CAM Integration and case study.
12.	Study of micro processors and micro controllers.
13.	Exercise on micro controller programming.