



TEQIP Course on Introduction to Manufacturing Processes

June 10-21, 2019

Venue: TA 202 Lab



Please note that registration will start from 9 AM on June 10. Hence lecture on 1st day will be shifted by half an hour. Schedule for remaining days remains the same.

Tentative Schedule

Time Day	9:00 – 10:00	10:00 – 10:15	10:15 – 13:00	13:00 – 14:00	14:00 – 17:00	
Day 1	Course overview. Introduction to engineering materials, discussion on mechanical properties important for manufacturing	Tea	Visit to TA202 lab. Formation of group. Assignment of guides.	Lunch	Training and exercise on lathe, milling & drilling and fitting (in groups of 20)	
Day 2	Conventional Material Removal Processes		Discussing projects with assigned guides and instructor.		Demonstration on CNC and metrology	
Day 3	Conventional Material Removal Processes		Isometric drawing, drawings of individual parts, calculations and bill of materials.			CNC practice with own program. Start making the project.
Day 4	Conventional Material Removal Processes		Visit to other labs		Project making and assembly (self)	Project making and assembly (with help of guides)
Day 5	CNC Programming					
Day 6	Unconventional Material Removal Processes					
Day 7	Unconventional Material Removal Processes		Project demonstration and valedictory			
Day 8	Microfabrication					
Day 9	Additive Manufacturing					
Day 10	Engineering Metrology					