

"PVC" NSSK GOVT POLYTECHNIC BILASPUR
PLANNED PRACTICAL SYLLABUS COVERAGE

Department: Mechanical Engg.				Subject: COMPUTER AIDED MACHINE DRAWING PRACTICE		
Sem. & Branch: 4TH / Mech. Engg.				Duration: 3 Year		
Teacher: Suresh Kumar						
Syllabus coverage	Total periods:-56				Practical : Yes	
	SR. NO	Period no /hrs	UNIT/ Chapter	Details	Instruction Reference	Additional study
	1	04 hrs	UNIT 1	Introduction to CAD software.	1. Bhatt , N.D., Machine Drawing, Charotar Publishing House, 2003. 2. Inside Auto CAD-D.Raker and H.Rice, BPB Publications.	1. Sidheswar, N., Kannaiah, P. and Sastry, V.V.S., Machine Drawing, Tata Mc Graw Hill Book Com-pany, New Delhi 2. Kannai, P., Production Drawing, New Age International, 2009
	2	04 hrs	UNIT 2	Drawing aids and editing commands.		
	3	04 hrs	UNIT 3	Basic dimensioning, hatching, blocks and views.		
	4	04 hrs	UNIT 4	Isometric drawing, printing and plotting		
	5	04 hrs	UNIT 5	Machine Drawing practice using Auto CAD: Detailed drawings of following machine parts are to be given to the students to assemble and draw the sectional or plain elevations, plans and side views with dimensioning and bill of materials using cad software (any 10 exercises). Practical : 01 - Sleeve & Cotter Joint		
	6	04 hrs		Practical : 02 - Spigot & Cotter Joint		
	7	04 hrs		Practical : 03 - Knuckle Joint		
	8	04 hrs		Practical : 04 - Stuffing Box or Screw Jack		
	9	04 hrs		Practical : 05 - Foot Step Bearing		
	10	04 hrs		Practical : 06 - Universal Coupling		
	11	04 hrs		Practical : 07 - Plummer Block		
	12	04 hrs		Practical : 08 - Simple Eccentric or Machine Vice		
	13	04 hrs		Practical : 09 - Connecting Rod		
	14	04 hrs		Practical : 10 - Protected Type Flanged Coupling.		

Approved	Sign HOD/ IOC

(Subject Teacher)