20CE3351- COMPUTER AIDED DRAWING

Off	ering B	ranche	S	CE											
Offering Branches Course Category:				Professional core							Credits:			1.5	
U U											Lecture-Tutorial-				
Course Type:				Laboratory							Practical:			0-0-3	
Prerequisites:				Nil							Continuous Evaluation:			15	
														5	
											Semester End				
-											Evaluation:			35	
				Total Marks:										0	
	e Outco														
-		ful com													
CO1				vantages of using CAD in comparison with conventional method.										K2	
CO2			nterpr	pret CAD drawings using drawing, editing and viewing in CAD										K4	
COL	softwa													V	
	CO3 Create 2-D views and wire frame modelling										K6				
CO4	CO4 Create 3-D views from 2-D views Contribution of Course Outcomes towards achievement of Program Outcomes												205	K6	
	PO1	PO2	PO3	PO4		PO6	PO7	US ACH PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	
CO1	3	102	3	3	3	2	10/	100	2	1010	2	2	3	2	
CO2	3		3	3	3	3			3		3	3	3	3	
CO3	3		3	3	3	3			3		3	3	3	3	
CO4	3		3	3	3	3			3		3	3	3	3	
Avg.	3		3	3	3	3			3		3	3	3	3	
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					(Cour	·se (lont	ent						
	Course Content Concept of AutoCAD, Tool bars in CAD software, coordinate system											stem			
Experiment No.1			snap, grid, and ortho mode (Absolute, Relative and Polar), setting of												
			units and layout.												
Б			Drawing commands – point, line, arc, circle, ellipse and Editing												
Experiment No.2			commands – scale, erase, copy, stretch, lengthen and explode.												
Europinson 4 No. 2											and pla		xt in	CO1 CO2	
Experiment No.3			draw	ing are	a					_	-	_			
Expe	Creat	Create layers within a drawing													
-	riment			Creating 2-D views											
Expe	riment	No.6		Creating curves, extrude features, chamfer, fillet etc.,											
Exne	riment	No 7	View point coordinates and view(s) displayed, examples to exercise												
Елре	ment	110.7	different options like save restore and delete												
Expe	riment	No.8	Prepare 3-D drawings using 3-D commands (Cylinder, cone, wedge,												
-			sphere etc)												
	riment			Preparing 3-D view of existing 2-D views Performing rendering on 3-D drawing											
Exper	iment	NO.10	Perfo	orming					-						
									irces						
Text B	xt Books 1. AutoCAD for Engineering Drawing Made Easy by P. Nageswaral									Rao; T	ata				
				cGraw											
Refere			1. Instruction Manual of the software used (AutoCAD)												
Books		1	1	11 .	1 .	/									
	urces&	z 1.	-	s://npte			es								
othow	digital	2.	http	://jntul	c-coee	rd.in/									
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