

Sem	Course code	CORE PRACTICAL III CAD IN TEXTILE AND FASHION DESIGN	Total Marks:100		Hours Per Week	Credits
I	21PBGCP105		CIA : 50	ESE :50	4	4

**Course Objectives:**

1. To enable the students to learn digital pattern making, grading and marker planning
2. To prepare various patterns using CAD software
3. To educate the students with new and enhanced tools used in the software

**Course Outcomes (CO): On completion of the course, students should be able to**

CO	Description	Level
CO 1	Identify the styles of sleeves, collars and pockets	K1 – K6
CO 2	Analyze the tools used in grading and marker plan software	
CO 3	Create their own weave designs with colour applications	
CO 4	Evaluate the design and repeat setting in weaves	
CO 5	Apply fabric simulation for woven fabric	

**K1 : Remember; K2 :Understand; K3 : Apply; K4 : Analyze; K5 : Evaluate; K6 : Create**

**Unit –I : Pattern Making**

Drafting basic patterns for children’s, women’s and men’s apparel. Drafting different styles of sleeves, collars, and pockets.

**Unit – II : Grading and Marker Plan**

Pattern grading for children’s, women’s and men’s apparel.  
Lay planning for children’s, women’s and men’s apparel.

**Unit – III : Weaves**

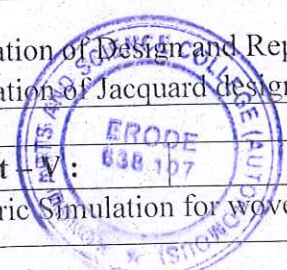
Creation of various designs - Stripes, Checks, Plaids designs - Application of colours.

**Unit – IV : Repeats and Jacquards**

Creation of Design and Repeat - Repeat setting - Changing of repeat - Application of colours  
Creation of Jacquard design - Repeat setting - Application of colours - Application of weaves

**Unit – V : Fabric Simulation**

Fabric Simulation for woven fabric - Stripes, Checks, Plaids designs.



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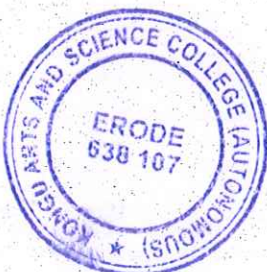
REFERENCE BOOKS		
1	Pattern Drafting and Grading by M. Rohr, Published by M. Rohr, Eastchester, New York, 1961.	
2	Richpeace Garment CAD System Manual, Richpeace Group Co., Limited, China	
Course Designed By	Verified By	Approved By HOD
Mr.K.V.Arunkumar	Dr.N.Radhika	Dr.S.Manjula

**Mapping of COs with POs and PSOs:**

CO \ PO/PSO	PO							PSO				
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	S	M	M	S	M	S	S	S	S	M	M
CO2	S	S	M	M	S	M	S	S	S	S	M	M
CO3	S	S	M	M	S	M	S	S	S	S	M	M
CO4	S	S	M	M	S	M	S	S	S	S	M	M
CO5	S	S	M	M	S	M	S	S	S	S	M	M

S-Strong, M-Medium, L-Low

*[Signature]*  
 HEAD OF THE DEPARTMENT  
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