RAJIV GANDHI PROUDYOGIKI VISHVAVIDYALAYA (DIPLOMA WING)

BHOPAL T02 DIPLOMA IN TEXTILE TECHNOLOGY

PART A:- PROCESS OF CURRICULUM DEVELOPMENT

LIST OF IDENTIFIED PROFESSIONAL ROLES

1. To apply knowledge of mathematics, science, and engineering.

2. To design and conduct experiments, as well as to analyze and interpret data.

3. To design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.

4. To function on multidisciplinary teams.

5. To identify, formulate, and solve engineering problems.

6. To understand professional and ethical responsibility.

7. To communicate effectively.

8. To understand the impact of engineering solutions in a global, economic, environmental, and societal context.

9. To engage in lifelong learning.

10. To use the techniques, skills, and modern engineering tools necessary for engineering practice.

LOs FORMATION

COURSE NAME: - GARMENT TECHNOLOGY (602)
(Total 100 Hrs., Total 100 Marks)

List of COs and Los

CO1: To Understand about the basic drafting of garment. (20Hrs, 20 marks)

LO1: To understand the concept of grading methodology, CAD. (10 Hrs., 10 Marks)

LO2: To understand about marker planning, its utilization, CAD. (10 Hrs., 10 Marks)

CO2: To Understand about the sorting and cutting processes. (20Hrs, 20 marks)

LO1: To study about shade sorting, its factors affecting, spreading. (10 Hrs. 10 Marks)

LO2: To understand the concept of different cutting methods and equipments. (10 Hrs. 10 Marks)

CO3: To understand about the stitching, seams and sewing machines. (20Hrs, 20 marks)

LO1: To study about of different stitches and sewing machines. (10 Hrs. 10 Marks)

LO2: To understand about different types of seams in garment industry. (10 Hrs. 10 Marks)

CO4: To understand about the finishing and packing of garments. (25Hrs, 35 marks)

LO1: To understand about ironing and pressing their methods and equipments. (10 Hrs 10 Marks)

LO2: To understand about different folding methods and different packing methods. (10 Hrs. 10Marks)

LO3: To prepare pattern, cut and stitch a specified garment. (05Hrs, 15 Marks)

CO5: To Understand about the basics about merchandising. (25 Hrs, 35 marks)

LO1: To understand the concept of merchandising and role of merchandiser. (10 Hrs, 10 Marks)

LO2: To study about Indian textile and clothing industry. (10Hrs, 10 Marks)

LO3: To study about defects found in garments and use of CAD in garment industry. (05Hrs, 15 Marks)

RGPV (Diploma Wing) Bhopal		COURSE PLAN		Format -2		Sheet No. 1/1	
Course Name	**GARMENT TECHNOLOGY**				Semester	SIXTH	
Branch	TEXTILE TECHNOLOGY		Course Code	602	No. of Cos	05	No. of LOs	12
Total Hrs. of Teaching Learning	100	Total Marks	100	Total no. of Assessments	10	Types of Assessments		No. of External Assessments	NIL

		DESCRIPTION OF OUTCOMES	T-L Hrs.	Max. Marks
CO 01	T026021	**To Understand about the basic drafting of garment.**	20	20
Los	T0260211	To understand the concept of grading methodology, CAD.	10	10
	T0260212	To understand about marker planning, its utilization, CAD.	10	10
CO 02	T026022	**To Understand about the sorting and cutting processes.**	20	20
Los	T0260221	To study about shade sorting, its factors affecting, spreading.	10	10
	T0260222	To understand the concept of different cutting methods and equipments.	10	10
CO 03	T026023	**To understand about the stitching, seams and sewing machines.**	20	20
Los	T0260231	To study about of different stitches and sewing machines.	10	10
	T0260232	To understand about different types of seams in garment industry.	10	10
CO 04	T026024	**To understand about the finishing and packing of garments.**	25	35
Los	T0260241	To understand about ironing and pressing their methods and equipments.	10	10
	T0260242	To understand about different folding methods and different packing methods.	10	10
	T0260243	To prepare pattern, cut and stitch a specified garment.	05	15
CO 05	T026025	**To Understand about the basics about merchandising.**	25	35
Los	T0260251	To understand the concept of merchandising and role of merchandiser.	10	10

TO260252	To study about Indian textile and clothing industry.	10	10
TO260253	To study about defects found in garments and use of CAD in garment industry.	05	15

Branch		TEXTILE TECHNOLOGY		Semester		SIXTH	
Course Code				Course Name		**GARMENT TECHNOLOGY**	
CourseOutcome 1		**To Understand about the basic drafting of garment.**			Teach Hrs		Marks
Learning Outcome 1		To understand the concept of grading methodology, CAD.			10		10
CONTENT		Introduction to grading, definition and basic size chart, factors affecting grading, grading methodology, brief idea of CAD.					
Method of Assessment		Paper pen test					
Learning Outcome 2		To understand about marker planning, its utilization, CAD.			10		10
CONTENT		Marker utilization, manual marker planning, brief idea of CAD.					
Method of Assessment		Paper pen test					
CourseOutcome 2		**To Understand about the sorting and cutting processes.**					
Learning Outcome 1		To study about shade sorting, its factors affecting, spreading.			10		10
CONTENT		Shade sorting of cloth pieces, correct ply direction and adequate lay stability, ply tension, fabric fault elimination, methods of manual and machine spreading.					
Method of Assessment		Paper pen test					

Learning Outcome 2	To understand the concept of different cutting methods and equipments.	10	10
CONTENT	Objective of cutting, methods of cutting , types of knifes , computer controlled cutting knife etc.		
Method of Assessment	Paper pen test		
<mark>CourseOutcome 3</mark>	**To understand about the stitching, seams and sewing machines.**		
Learning Outcome 1	To study about of different stitches and sewing machines.	10	10
CONTENT	Types of stitches, lock stitch, chain stitch, hand stitch, multi thread chain stitch, over edge chain stitch and covering chain stitch.		
Method of Assessment	Paper pen test		
Learning Outcome 2	To understand about different types of seams in garment industry.	10	10
CONTENT	Types of seams, sewing seams, superimposed seam, lapped seam, bound seam, flat & fell seam, French seam.		
Method of Assessment	Paper pen test		
<mark>CourseOutcome 4</mark>	**To understand about the finishing and packing of garments.**		
Learning Outcome 1	To understand about ironing and pressing their methods and equipments.	10	10
CONTENT	Purpose of pressing, categories of pressing, garment which require no pressing, minimal pressing and finishing. Pressing equipments and methods.		
Method of Assessment	Paper pen test		
Learning Outcome 2	To understand about different folding methods and different packing methods	10	10
CONTENT	Methods of folding garments- mechanical and flannel method, packing materials used for packing garment, packing methods		

Method of Assessment	Paper pen test		
Learning Outcome 3	To prepare pattern, cut and stitch a specified garment.	05	15
CONTENT	Describing the various steps in garment production taking the case of given garment.		
Method of Assessment	Paper Pen Test		
CourseOutcome 5	**To Understand about the basics about merchandising.**		
Learning Outcome 1	To understand the concept of merchandising and role of merchandiser.	10	10
CONTENT	Definition, concept, duties of merchandiser, process of merchandising.		
Method of Assessment	Paper pen test		
Learning Outcome 2	To study about Indian textile and clothing industry.	10	10
CONTENT	Present status of Indian textile and fashion industries and future prospects.		
Method of Assessment	Paper pen test		
Learning Outcome 3	To study about defects found in garments and use of CAD in garment industry.		
CONTENT	Principles and elements of design through CAD. Different types of defects found in garment along with its causes and remedies.		
Method of Assessment	Paper Pen Test		