

LESSON PLAN

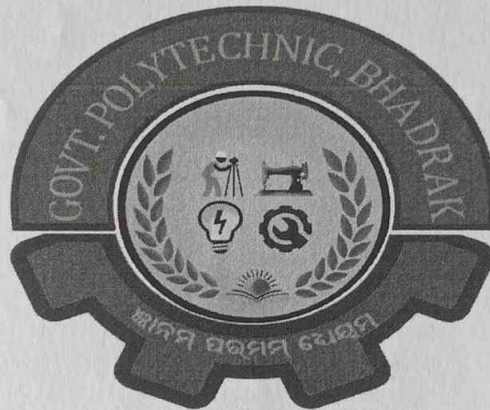
SUB: Textile Design-II (Theory)

BRANCH:TEXTILE ENGG.


SEMESTER:5th


SESSION:2025-26


NAME OF FACULTY: Birendra Meher (Lect. S-I, Textile Tech.)



GOVERNMENT POLYTECHNIC, BHADRAK


Academic (I/C)
Textile Engg.


Academic Co-Ordinator
Govt. Polytechnic, Bhadrak


Principal
Govt. Polytechnic, Bhadrak

LESSON PLAN

DEPARTMENT OF TEXTILE ENGG, GOVT. POLYTECHNIC, BHADRAK

SUBJECT: Textile Design - II **Periods:** 3 per week **SEMESTER:** 5th

NAME OF FACULTY: BIRENDRA MEHER **ACADEMIC YEAR:** 2025-2026

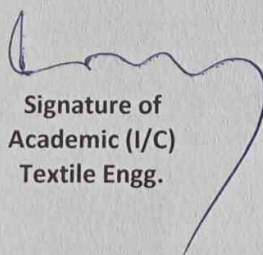
Semester From date: 14.07.2025 **To Date:** 15.11.2025 **No. of weeks:** 15

Week	Class Day	Theory / Practical Topics
1st	1st	Light and Pigment theory of colour.
	2nd	Colour and weave combination.
	3rd	Methods of generating different effects like continuous line, hairline, birds eye, step pattern, Hounds tooth pattern and all over effects.
2nd	1st	Methods of generating different effects like continuous line, hairline, birds eye, step pattern, Hounds tooth pattern and all over effects.
	2nd	Class for revision.
	3rd	Concept of pile.
3rd	1st	Brief idea on Swing reed & Cloth fell displacement principal of terry pile fabric manufacturing.
	2nd	Brief idea on Swing reed & Cloth fell displacement principal of terry pile fabric manufacturing.
	3rd	Terry pile like-Single sided & double sided terry pile.
4th	1st	Terry pile like-Single sided & double sided terry pile.
	2nd	Terry pile like-Single sided & double sided terry pile.
	3rd	Three pick, Four pick & five pick terry pile structure.
5th	1st	Three pick, Four pick & five pick terry pile structure.
	2nd	Three pick, Four pick & five pick terry pile structure.
	3rd	Velvet structure (face to face principal of weaving)
6th	1st	Construct the design of Weft pile : Velveteen , Plain based , twill based velveteen , Corduroys, fast pile.
	2nd	Construct the design of Weft pile : Velveteen , Plain based , twill based velveteen , Corduroys, fast pile.
	3rd	Construct the design of Weft pile : Velveteen , Plain based , twill based velveteen , Corduroys, fast pile.
7th	1st	Construct the design of Weft pile : Velveteen , Plain based , twill based velveteen , Corduroys, fast pile.
	2nd	Class for revision.
	3rd	Principle of construction of Back and double cloth.
8th	1st	Principle of construction of Back and double cloth.
	2nd	Classification of Back & double cloth.
	3rd	Classification of Back & double cloth.
9th	1st	Classification of Back & double cloth.
	2nd	Selection of design and construction of Back cloth – Warp & Weft reversible & Irreversible back cloth design, Wadding effect .
	3rd	Selection of design and construction of Back cloth – Warp & Weft reversible & Irreversible back cloth design, Wadding effect .

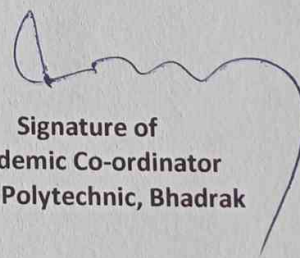
10th	1st	Selection of design and construction of Back cloth – Warp & Weft reversible & Irreversible back cloth design, Wadding effect .
	2nd	Selection of design and construction of double cloth- self stitched double cloth ,centre stitch ,waded double cloth..
	3rd	Selection of design and construction of double cloth- self stitched double cloth ,centre stitch ,waded double cloth..
11th	1st	Selection of design and construction of double cloth- self stitched double cloth ,centre stitch ,waded double cloth..
	2nd	Selection of design and construction of double cloth- self stitched double cloth ,centre stitch ,waded double cloth..
	3rd	Ply cloths, Treble cloth , tubular cloth ,double width cloth etc.
12th	1st	Ply cloths, Treble cloth , tubular cloth ,double width cloth etc.
	2nd	Class for revision.
	3rd	Construct the design of Gauge and leno weaves and their representation in design paper,
13th	1st	Leno and use of doup healds
	2nd	Difference between Gauge & Leno structure.
	3rd	Construct the design of cellular leno & twill leno.
14th	1st	Class for revision.
	2nd	Factors affecting Jacquard design, construction of jacquard design.
	3rd	Factors affecting Jacquard design, construction of jacquard design.
15th	1st	Features of Damask & Brocade.
	2nd	Brief idea on software for Textile woven design with windows platform , State the advantages of CAD in this field.
	3rd	Class for revision



Signature of
Lecturer
Textile Engg.



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