

LESSON PLAN

SUB: FABRIC MANUFACTURE -II

BRANCH:- TEXTILE ENGG.

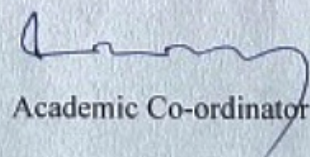
SEMESTER:4th

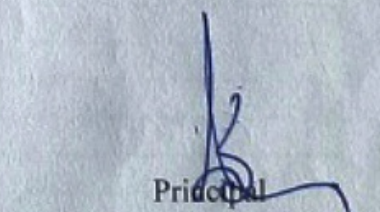
NAME OF FACULTY: PUJA MEHER (GF)



**GOVERNMENT POLYTECHNIC,
BHADRAK**


Hod ,Textile Engg.


Academic Co-ordinator


Principal
Govt. Polytechnic, Bhadrak

LESSON PLAN

DEPARTMENT OF TEXTILE ENGG, GOVT. POLYTECHNIC, BHADRAK

SUBJECT: FABRIC MANUFACTURE-II Periods: 4 per week SEMESTER: 4th

NAME OF FACULTY: PUJA MEHER ACADEMIC YEAR: 2023-2024

Semester From date: 16.01.2024 To Date: 26.04.2024 No. of weeks: 15

Week	Class Day	Theory / Practical Topics
1st	1st	Take up & Classification of take up motion
	2nd	Take up & Classification of take up motion
	3rd	Negative and positive take up motions
	4th	Negative and positive take up motions
2nd	1st	Let off & Classification of let off motion
	2nd	Let off & Classification of let off motion
	3rd	Negative and Positive let off mechanism
	4th	Negative and Positive let off mechanism
3rd	1st	Warp protecting motion
	2nd	Weft stop motion
	3rd	Break Mechanism
	4th	Timings and settings of these motions
4th	1st	Timings and settings of these motions
	2nd	Class for revision
	3rd	Drop Box mechanism
	4th	Drop Box mechanism
5th	1st	Pick & Pick looms
	2nd	Pick & Pick looms
	3rd	Brief idea on card saving devices
	4th	Class for revision
6th	1st	working principle of Keighly dobby
	2nd	working principle of cam dobby
	3rd	working principle of paper dobby
	4th	working principle of electronically controlled dobby
7th	1st	Pegging for dobby (Right & left hand) loom
	2nd	Principles of Jacquard weaving
	3rd	Classification of Jacquards
	4th	Classification of Jacquards
8th	1st	Working of single lift double lift single cylinder Jacquards
	2nd	Working of single lift double lift single cylinder Jacquards
	3rd	Working of single lift double lift single cylinder Jacquards
	4th	Double lift double cylinder Jacquards
9th	1st	Double lift double cylinder Jacquards
	2nd	Double lift double cylinder Jacquards
	3rd	Jacquard building and harness ties
	4th	Jacquard building and harness ties
10th	1st	Casting out of Jacquard
	2nd	Brief idea on Electronic Jacquard
	3rd	Brief idea on Electronic Jacquard

	4th	Class for revision
11th	1st	Weft feeler mechanism
	2nd	Weft feeler mechanism
	3rd	3 try weft fork mechanism
	4th	3 try weft fork mechanism
12th	1st	Automatic warp stop motion
	2nd	Automatic warp stop motion
	3rd	Shuttle protector mechanism
	4th	Automatic cop changing motion
13th	1st	Fabric defects, its causes and remedies
	2nd	Class for revision
	3rd	Unconventional looms and its classification
	4th	Unconventional looms and its classification
14th	1st	Limitation of shuttle looms & advantages of shuttle-less looms over shuttle Looms
	2nd	Limitation of shuttle looms & advantages of shuttle-less looms over shuttle Looms
	3rd	Preparation of raw materials for unconventional looms
	4th	Classification of weft insertion processes in shuttle-less looms
15th	1st	Weft insertion processes in Rapier
	2nd	Weft insertion processes in Gripper
	3rd	Weft insertion processes in Fluid jet
	4th	Class for revision