

LESSON PLAN

SUB: Yarn Manufacture-II(Theory)

BRANCH: - TEXTILE ENGG.

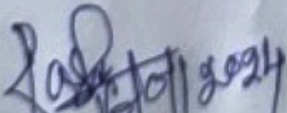
SEMESTER:4th

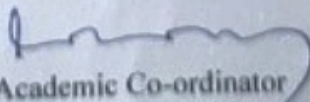
SESSION:2023-24

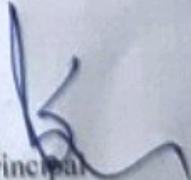
NAME OF FACULTY: Shreepati Sundar Upadhyay (Lect. Textile Tech.)



**GOVERNMENT POLYTECHNIC,
BHADRAK**


HOD (I/C) Textile Engg.


Academic Co-ordinator


Principal
Govt. Polytechnic, Bhadrak

LESSON PLAN

DEPARTMENT OF TEXTILE ENGG, GOVT. POLYTECHNIC, BHADRAK
 SUBJECT: YARN MANUFACTURE- II Periods: 4 per week SEMESTER: 4th
 NAME OF FACULTY: S.S UPADHYAY 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	Objects of Drawing,
	2nd	principles of doubling and drafting.,
	3rd	principles of doubling and drafting.
	4th	Main Draft and Brake Draft
2nd	1st	passage of material and function of different parts in a Draw Frame
	2nd	passage of material and function of different parts in a Draw Frame
	3rd	Drafting wave ,roller slip, Top roller weighting,
	4th	Electronic stop motion
3rd	1st	Drafting roller arrangement
	2nd	Technological design change in modern draw frame.
	3rd	Technological design change in modern draw frame.
	4th	on line monitoring and auto leveling suction arrangement
4th	1st	auto motion in doffing, maintenance schedule of Draw Frame
	2nd	Revision
	3rd	Class Test
	4th	The need for lap preparation
5th	1st	the effect of fibre presentation
	2nd	pre-comb draft, Working of silver doubling Machine
	3rd	Working of Ribbon Lap doubling Machine
	4th	Working of unilap Machine
6th	1st	objects and importance of combing
	2nd	Degree of combing., Types of Comber
	3rd	Operation of combing cycle
	4th	Operation of combing cycle
7th	1st	types of feed in a Comber, Cylinder clothing
	2nd	clamping line distance, nips/min, concentric nipper movement,
	3rd	Parameters affecting quality of combed cycle.
	4th	salient features of modern comber. maintenance schedule Of Comber
8th	1st	Revision
	2nd	Class Test
	3rd	objects of speed frame
	4th	passage of material through S/F
9th	1st	function of important parts of speed frame
	2nd	
	3rd	modern drafting system
	4th	principles of twisting , winding
10th	1st	package formation
	2nd	Differential motion used in modern speed frame
	3rd	modern developments in speed frame; drafting –builder , twisting-driving system
	4th	creel ,package size ,roving tension control, flyer, suction
11th	1st	Roving Defects
	2nd	Roving Defects and their remedies
	3rd	Maintenance schedule for speed Frame.
	4th	Revision
	1st	Class Test

12th	2nd	Calculation on Linear Density
	3rd	Calculation on Linear Density
	4th	Calculate of Speed & Draft,
13th	1st	Calculate of Speed & Draft,
	2nd	production of Draw frame
	3rd	production of Draw frame
	4th	production of Draw frame
14th	1st	production of comber
	2nd	production of comber
	3rd	production of comber
	4th	production of Speed frame
15th	1st	production of Speed frame
	2nd	production of Speed frame
	3rd	Revision
	4th	Class Test

Signature of
Lect. Textile Engg.

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HOD (I/C) Textile Engg.

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