

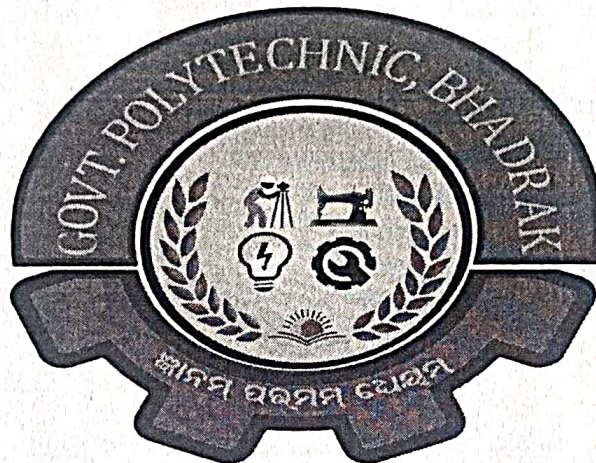
LESSON PLAN

SUB: Yarn Manufacture-II (Theory)

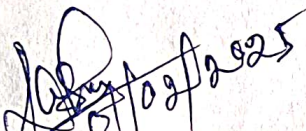
BRANCH: - TEXTILE ENGG.

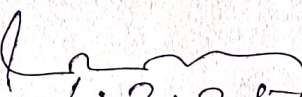
SEMESTER:4th

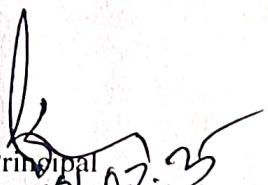
NAME OF FACULTY: Shreepati Sundar Upadhyay (Lect. Textile Tech.)



**GOVERNMENT POLYTECHNIC,
BHADRAK**


HOD (I/C) Textile Engg.


Academic Co-ordinator
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: 6th

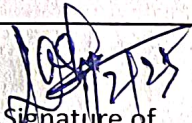
NAME OF FACULTY: S.S UPADHYAY ACADEMIC YEAR: 2024-2025

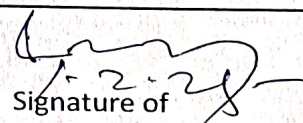
Semester From date: 04.02.2025 To Date: 17.05.2025 No. of weeks: 15

Week	Class Day	Theory / Practical Topics
1st	1st	objects of Drawing, principles of doubling and drafting
	2nd	passage of material and function of different part, various modern drafting system, Roller settings,
	3rd	Drafting wave roller slip wave, Top roller weighting, Electronic stop motion
	4th	drafting roller arrangement ,on line monitoring and auto leveling suction arrangement and auto motion in doffing.
2nd	1st	maintenance schedule, Revision
	2nd	the need for lap preparation
	3rd	effect of fibre presentation & pre-comb draft
	4th	silver doubling and lap doubling & unilap machine.
3rd	1st	objects and importance of combing & Degree of combing.
	2nd	combing cycle ,types of feed, Discuss Cylinder clothing
	3rd	clamping line distance ,increase in nips/min, concentric nipper movement,
	4th	performance affecting quality of combed cycle
4th	1st	salient features of modern comber.& maintenance schedule
	2nd	Revision
	3rd	Revision
	4th	objects of speed frame
5th	1st	passage of material through S/F and function of important parts.
	2nd	function of important parts.
	3rd	modern drafting system
	4th	modern drafting system
6th	1st	principles of twisting ,
	2nd	winding & package formation.
	3rd	Differential motion used in modern speed frame
	4th	Differential motion used in modern speed frame
7th	1st	modern developments in speed frame; drafting –builder ,
	2nd	twisting-driving system ,other features-creel ,package size ,
	3rd	roving tension control, flyer, suction etc
	4th	Roving Defects and their remedies.
8th	1st	Maintenance schedule for speed Frame.
	2nd	Revision
	3rd	Revision
	4th	Revision
9th	1st	Calculate Speed, Draft of Comber
	2nd	Calculate Speed, Draft of Comber
	3rd	Calculate Speed, Draft of Speed frame
	4th	Calculate Speed, Draft of Speed frame

10th	1st	production of Draw frame
	2nd	production of Draw frame
	3rd	production of Comber
	4th	production of Comber
11th	1st	production of Speed Frame
	2nd	production of Speed Frame
	3rd	Revision
	4th	Revision
12th	1st	Drafting wave roller slip wave, Top roller weighting, Electronic stop motion
	2nd	drafting roller arrangement ,on line monitoring and auto leveling suction arrangement and auto motion in doffing.
	3rd	silver doubling and lap doubling & unilap machine.
	4th	combing cycle ,types of feed, Discuss Cylinder clothing
13th	1st	principles of twisting ,
	2nd	winding & package formation.
	3rd	Differential motion used in modern speed frame
	4th	modern developments in speed frame; drafting –builder ,
14th	1st	twisting-driving system ,other features-creel ,package size ,
	2nd	Calculate Speed, Draft of Comber
	3rd	Calculate Speed, Draft of Speed frame
	4th	production of Draw frame
15th	1st	production of Comber
	2nd	production of Speed Frame
	3rd	Revision
	4th	Revision


 Signature of
 Lect. Textile Engg.


 Signature of
 HOD (I/C) Textile Engg.


 Signature of
 Academic co-ordinator.