

# LESSON PLAN

SUB: Yarn Manufacture-III(Lab)

BRANCH: - TEXTILE ENGG.


SEMESTER: 5<sup>th</sup>

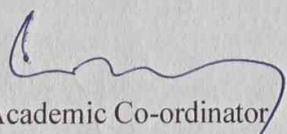
SESSION:2025-26


NAME OF FACULTY: Shreepati Sundar Upadhyay (Lect.S-II, Textile Tech.)



**GOVERNMENT POLYTECHNIC,  
BHADRAK**

  
Academic in-charge.  
Textile Engg.Dept

  
Academic Co-ordinator  
Govt. Polytechnic, Bhadrak

  
Principal  
Govt. Polytechnic, Bhadrak

LESSON PLAN+A1:C26A4A1:C31A1:C36A4A1:C31A1:C51A4A1:C31A1A1:C71

DEPARTMENT OF TEXTILE ENGG, GOVT. POLYTECHNIC, BHADRAK

SUBJECT: Yarn Manufacture – III (Lab.) Periods: 5 per week SEMESTER: 5th

NAME OF FACULTY: S.S UPADHYAY ACADEMIC YEAR: 2025-2026


Semester From date: 14.7.2025 To Date: 15.11.2025 No. of weeks: 15

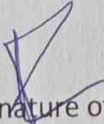
Week	Class Day	Practical Topics
1st	1st	To study of different parts of Ring Frame
	2nd	To study of different parts of Ring Frame
	3rd	To study of different parts of Ring Frame
	4th	To study of different parts of Ring Frame
	5th	To study of different parts of Ring Frame
2nd	1st	To study the Drafting System of ring frame
	2nd	To study the Drafting System of ring frame
	3rd	To study the Drafting System of ring frame
	4th	To study the Drafting System of ring frame
	5th	To study the Drafting System of ring frame
3rd	1st	To study the gearing diagram and to calculate draft constant, twist constant and production constant and also to find speed of tin roller, spindle, drafting rollers, etc of Ring Frame.
	2nd	To study the gearing diagram and to calculate draft constant, twist constant and production constant and also to find speed of tin roller, spindle, drafting rollers, etc of Ring Frame.
	3rd	To study the gearing diagram and to calculate draft constant, twist constant and production constant and also to find speed of tin roller, spindle, drafting rollers, etc of Ring Frame.
	4th	To study the gearing diagram and to calculate draft constant, twist constant and production constant and also to find speed of tin roller, spindle, drafting rollers, etc of Ring Frame.
	5th	To study the gearing diagram and to calculate draft constant, twist constant and production constant and also to find speed of tin roller, spindle, drafting rollers, etc of Ring Frame.
4th	1st	To study the gearing diagram and to calculate draft constant, twist constant and production constant and also to find speed of tin roller, spindle, drafting rollers, etc of Ring Frame.
	2nd	To study the gearing diagram and to calculate draft constant, twist constant and production constant and also to find speed of tin roller, spindle, drafting rollers, etc of Ring Frame.
	3rd	To study the gearing diagram and to calculate draft constant, twist constant and production constant and also to find speed of tin roller, spindle, drafting rollers, etc of Ring Frame.
	4th	To study the gearing diagram and to calculate draft constant, twist constant and production constant and also to find speed of tin roller, spindle, drafting rollers, etc of Ring Frame.

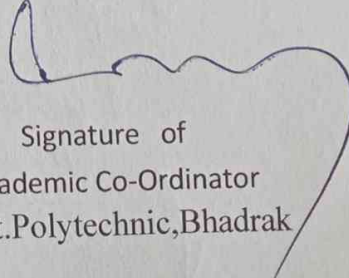


	5th	To study the gearing diagram and to calculate draft constant, twist constant and production constant and also to find speed of tin roller, spindle, drafting rollers, etc of Ring Frame.
5th	1st	To assemble and set the drafting roller and top arm by using slide calipers as per the fibre length
	2nd	To assemble and set the drafting roller and top arm by using slide calipers as per the fibre length
	3rd	To assemble and set the drafting roller and top arm by using slide calipers as per the fibre length
	4th	To assemble and set the drafting roller and top arm by using slide calipers as per the fibre length
	5th	To assemble and set the drafting roller and top arm by using slide calipers as per the fibre length
6th	1st	To do the spindle and lappet gauging of Ring Frame
	2nd	To do the spindle and lappet gauging of Ring Frame
	3rd	To do the spindle and lappet gauging of Ring Frame
	4th	To do the spindle and lappet gauging of Ring Frame
	5th	To do the spindle and lappet gauging of Ring Frame
7th	1st	To study the building mechanism and setting of ring Frame
	2nd	To study the building mechanism and setting of ring Frame
	3rd	To study the building mechanism and setting of ring Frame
	4th	To study the building mechanism and setting of ring Frame
	5th	To study the building mechanism and setting of ring Frame
8th	1st	To study the different parts of doubling frame and its building mechanism.
	2nd	To study the different parts of doubling frame and its building mechanism.
	3rd	To study the different parts of doubling frame and its building mechanism.
	4th	To study the different parts of doubling frame and its building mechanism.
	5th	To study the different parts of doubling frame and its building mechanism.
9th	1st	To study about the gearing diagram and calculate the twist constant and speed of various moving part of Doubling Frame
	2nd	To study about the gearing diagram and calculate the twist constant and speed of various moving part of Doubling Frame
	3rd	To study about the gearing diagram and calculate the twist constant and speed of various moving part of Doubling Frame
	4th	To study about the gearing diagram and calculate the twist constant and speed of various moving part of Doubling Frame
	5th	To study about the gearing diagram and calculate the twist constant and speed of various moving part of Doubling Frame
10th	1st	To study about the gearing diagram and calculate the twist constant and speed of various moving part of Doubling Frame
	2nd	To study about the gearing diagram and calculate the twist constant and speed of various moving part of Doubling Frame
	3rd	To study about the gearing diagram and calculate the twist constant and speed of various moving part of Doubling Frame
	4th	To study about the gearing diagram and calculate the twist constant and speed of various moving part of Doubling Frame

	5th	To study about the gearing diagram and calculate the twist constant and speed of various moving part of Doubling Frame
11th	1st	To study the different parts of Reeling Machine
	2nd	To study the different parts of Reeling Machine
	3rd	To study the different parts of Reeling Machine
	4th	To study the different parts of Reeling Machine
	5th	To study the different parts of Reeling Machine
12th	1st	To study the flow of material and different parts of Rotor spinning Machine
	2nd	To study the flow of material and different parts of Rotor spinning Machine
	3rd	To study the flow of material and different parts of Rotor spinning Machine
	4th	To study the flow of material and different parts of Rotor spinning Machine
	5th	To study the flow of material and different parts of Rotor spinning Machine
13th	1st	To study the gearing and to calculate the draft constant ,twist constant and production etc. Of Rotor Spinning Machine.
	2nd	To study the gearing and to calculate the draft constant ,twist constant and production etc. Of Rotor Spinning Machine.
	3rd	To study the gearing and to calculate the draft constant ,twist constant and production etc. Of Rotor Spinning Machine.
	4th	To study the gearing and to calculate the draft constant ,twist constant and production etc. Of Rotor Spinning Machine.
	5th	To study the gearing and to calculate the draft constant ,twist constant and production etc. Of Rotor Spinning Machine.
14th	1st	To learn about different change points and setting of Rotor Spinning Machine
	2nd	To learn about different change points and setting of Rotor Spinning Machine
	3rd	To learn about different change points and setting of Rotor Spinning Machine
	4th	To learn about different change points and setting of Rotor Spinning Machine
	5th	To learn about different change points and setting of Rotor Spinning Machine
15th	1st	Study of Comber
	2nd	Study of Comber
	3rd	Study of Comber
	4th	Study of Comber
	5th	Study of Comber

  
 Signature of  
 Lecturer  
 Textile Engg.Dept.

  
 Signature of  
 Academic in-charge  
 Textile Engg.Dept.

  
 Signature of  
 Academic Co-Ordinator  
 Govt.Polytechnic,Bhadrak