

# LESSON PLAN

SUB: Fabric Technology Lab Practice-I

BRANCH: TEXTILE ENGG.


SEMESTER:3<sup>rd</sup>

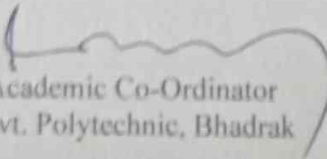
SESSION:2025-26

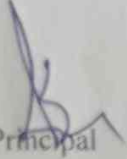
NAME OF FACULTY: Birendra Meher (Lect. S-I, Textile Tech.)



**GOVERNMENT POLYTECHNIC,  
BHADRAK**

  
Academic (I/C)  
Textile Engg.

  
Academic Co-Ordinator  
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Principal  
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### LESSON PLAN

**DEPARTMENT OF TEXTILE ENGG, GOVT. POLYTECHNIC, BHADRAK**  
**SUBJECT:** Fabric Technology Lab Practice - I **Periods:** 4 per week **SEMESTER:** 3rd  
**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	To study & sketch the passage of yarn through various elements of automatic cone winding machine.
	2nd	To study & sketch the passage of yarn through various elements of automatic cone winding machine.
	3rd	To study & sketch the passage of yarn through various elements of automatic cone winding machine.
	4th	To study & sketch the passage of yarn through various elements of automatic cone winding machine.
2nd	1st	To study the functions of slub catcher, yarn tensioner yarn guide etc. in automatic cone winding machine.
	2nd	To study the functions of slub catcher, yarn tensioner yarn guide etc. in automatic cone winding machine.
	3rd	To study the functions of slub catcher, yarn tensioner yarn guide etc. in automatic cone winding machine.
	4th	To study the functions of slub catcher, yarn tensioner yarn guide etc. in automatic cone winding machine.
3rd	1st	To study different yarn faults in automatic cone winding machine.
	2nd	To study different yarn faults in automatic cone winding machine.
	3rd	To study different yarn faults in automatic cone winding machine.
	4th	To study different yarn faults in automatic cone winding machine.
4th	1st	To produce at least 250-gram yarn cone package in automatic cone - winding machine.
	2nd	To produce at least 250-gram yarn cone package in automatic cone - winding machine.
	3rd	To produce at least 250-gram yarn cone package in automatic cone - winding machine.
	4th	To produce at least 250-gram yarn cone package in automatic cone - winding machine.
5th	1st	To study the mechanism and functions of different parts of pirn - winding machine.
	2nd	To study the mechanism and functions of different parts of pirn - winding machine.
	3rd	To study the mechanism and functions of different parts of pirn - winding machine.
	4th	To study the mechanism and functions of different parts of pirn - winding machine.
6th	1st	To study the passage of yarn through beam / sectional warping m/c and function of different parts. (Mill based experiment)
	2nd	To study the passage of yarn through beam / sectional warping m/c and function of different parts. (Mill based experiment)



	3rd	To study the passage of yarn through beam / sectional warping m/c and function of different parts. (Mill based experiment)
	4th	To study the passage of yarn through beam / sectional warping m/c and function of different parts. (Mill based experiment)
7th	1st	To study the passage of yarn through sample warping m/c and function of different parts.
	2nd	To study the passage of yarn through sample warping m/c and function of different parts.
	3rd	To study the passage of yarn through sample warping m/c and function of different parts.
	4th	To study the passage of yarn through sample warping m/c and function of different parts.
8th	1st	To study the path of warp sheet in a multi cylinder- sizing machine and the features of its various parts/mechanism (Mill based experiment).
	2nd	To study the path of warp sheet in a multi cylinder- sizing machine and the features of its various parts/mechanism (Mill based experiment).
	3rd	To study the path of warp sheet in a multi cylinder- sizing machine and the features of its various parts/mechanism (Mill based experiment).
	4th	To study the path of warp sheet in a multi cylinder- sizing machine and the features of its various parts/mechanism (Mill based experiment).
9th	1st	To study construction details and passage of materials in single end sizing machine.
	2nd	To study construction details and passage of materials in single end sizing machine.
	3rd	To study construction details and passage of materials in single end sizing machine.
	4th	To study construction details and passage of materials in single end sizing machine.
10th	1st	To prepare a sizing paste and apply on the given sort of yarn samples in a single end sizing machine.
	2nd	To prepare a sizing paste and apply on the given sort of yarn samples in a single end sizing machine.
	3rd	To prepare a sizing paste and apply on the given sort of yarn samples in a single end sizing machine.
	4th	To prepare a sizing paste and apply on the given sort of yarn samples in a single end sizing machine.
11th	1st	To study and sketch passage of warp through different parts of under - pick loom.
	2nd	To study and sketch passage of warp through different parts of under - pick loom.
	3rd	To study and sketch passage of warp through different parts of under - pick loom.
	4th	To study and sketch passage of warp through different parts of under - pick loom.
	1st	To study and sketch positive or negative tappet shedding mechanism in under pick loom.

12th	2nd	To study and sketch positive or negative tappet shedding mechanism in under pick loom.
	3rd	To study and sketch positive or negative tappet shedding mechanism in under pick loom.
	4th	To study and sketch positive or negative tappet shedding mechanism in under pick loom.
13th	1st	To study and sketch positive or negative tappet shedding mechanism in under pick loom.
	2nd	To study and sketch positive or negative tappet shedding mechanism in under pick loom.
	3rd	To study and sketch positive or negative tappet shedding mechanism in under pick loom.
	4th	To study and sketch positive or negative tappet shedding mechanism in under pick loom.
14th	1st	To study picking mechanism in under pick loom.
	2nd	To study picking mechanism in under pick loom.
	3rd	To study picking mechanism in under pick loom.
	4th	To study picking mechanism in under pick loom.
15th	1st	To study beat up mechanism in under pick loom.
	2nd	To study beat up mechanism in under pick loom.
	3rd	To study beat up mechanism in under pick loom.
	4th	To study beat up mechanism in under pick loom.

Signature of  
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