

LESSON PLAN

DEPARTMENT OF TEXTILE ENGG, GOVT. POLYTECHNIC, BHADRAK

SUBJECT: ADVANCE TEXTILE MANUFACTURE Periods: 4 per week SEMESTER: 6th

NAME OF FACULTY: PUJA MEHER ACADEMIC YEAR: 2022-2023

Semester From date: 14.02.2023 To Date: 23.05.2023 No. of weeks: 15

Week	Class Day	Theory / Practical Topics
1st	1st	What is shuttle loom
	2nd	What is shuttle less loom
	3rd	Differences between shuttle and shuttle less loom
	4th	Disadvantages of shuttle loom
2nd	1st	Importance of shuttle less loom in textile industries
	2nd	Different aspects of rapier looms
	3rd	Different aspects of gripper looms
	4th	Different aspects of air jet looms
3rd	1st	Different aspects of water jet looms
	2nd	Different aspects of multiphase
	3rd	Discuss weft package
	4th	Discuss weft package
4th	1st	Weft insertion mechanism
	2nd	Weft insertion mechanism
	3rd	Match cam beating
	4th	Match cam beating
5th	1st	Selvedge formation in projectile loom
	2nd	Selvedge formation in projectile loom
	3rd	Mordern development of projectile
	4th	Mordern development of projectile
6th	1st	Introduction of rapier loom
	2nd	Weft insertion mechanism of rigid rapier
	3rd	Weft insertion mechanism of flexible rapier
	4th	Weft insertion mechanism of single rapier
7th	1st	Weft insertion mechanism of double rapier
	2nd	Weft insertion mechanism of double rapier

7th	3rd	Weft insertion mechanism of double rapier
	4th	Selvedge formation in Rapier loom
8th	1st	Selvedge formation in Rapier loom
	2nd	Selvedge formation in Rapier loom
	3rd	Selvedge formation in Rapier loom
	4th	Modern development of Rapier loom
9th	1st	Modern development of Rapier loom
	2nd	Modern development of Rapier loom
	3rd	Revision of Rapier loom
	4th	Introduction of Air jet loom
10th	1st	Describe weft measuring device
	2nd	Describe confusers
	3rd	Describe profile read
	4th	Describe profile read
11th	1st	Weft insertion mechanism
	2nd	Weft insertion mechanism
	3rd	Weft insertion mechanism
	4th	Weft insertion mechanism
12th	1st	Weft insertion mechanism
	2nd	Modern development of air jet loom
	3rd	Modern development of air jet loom
	4th	Modern development of air jet loom
13th	1st	Revision of air jet loom
	2nd	Revision of air jet loom
	3rd	Introduction of Water jet loom
	4th	Describe weft measuring device
14th	1st	Describe confusers
	2nd	Describe profile read
	3rd	Describe profile read
	4th	Weft insertion mechanism
	1st	Weft insertion mechanism

15th	2nd	Weft insertion mechanism
	3rd	Modern development of Water jet loom
	4th	Modern development of Water jet loom