

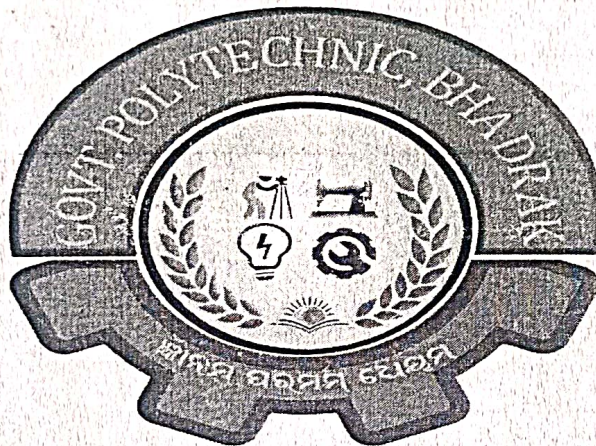
LESSON PLAN

SUB: TH-4 ELECTIVE-ADVANCE TEXTILE MANUFACTURE

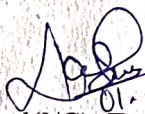
BRANCH: - TEXTILE ENGG.

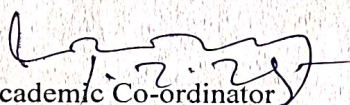
SEMESTER:6TH

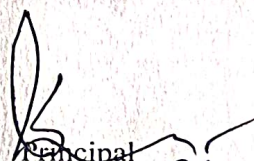
NAME OF FACULTY: DEBASMITA DAS (GF)



**GOVERNMENT POLYTECHNIC,
BHADRAK**


01.02.2025
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: Advance Textile Manufacture (ELECTIVE) Periods: 4 per week SEMESTER: 6th
NAME OF FACULTY: DEBASMITA DAS (GF) ACADEMIC YEAR: 2024-2025
Semester From date:04.02.2025 To Date:17.05.2025 No. of weeks: 15

Week	Class Day	Theory Topics
1st	1st	Introduction to Shuttle- less loom
	2nd	Differences between Shuttle & Shuttle-less loom
	3rd	Differences between Shuttle & Shuttle-less loom
	4th	Differences between Shuttle & Shuttle-less loom
2nd	1st	Importance of Shuttle less loom in Textile Industries
	2nd	Importance of Shuttle less loom in Textile Industries
	3rd	Importance of Shuttle less loom in Textile Industries
	4th	Describe different aspects of Rapier Looms, Gripper loom, Air-jet, Water-jet looms & Multiphase.
3rd	1st	Describe different aspects of Rapier Looms, Gripper loom, Air-jet, Water-jet looms & Multiphase.
	2nd	Describe different aspects of Rapier Looms, Gripper loom, Air-jet, Water-jet looms & Multiphase.
	3rd	Projectile Loom
	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	Modern development of this loom.
	4th	Modern development of this loom.
6th	1st	Rapier Loom
	2nd	Classification of rapier
	3rd	Classification of rapier
	4th	Classification of rapier
7th	1st	Weft insertion mechanism of rigid, flexible, single & double rapier loom
	2nd	Weft insertion mechanism of rigid, flexible, single & double rapier loom
	3rd	Weft insertion mechanism of rigid, flexible, single & double rapier loom
	4th	Weft insertion mechanism of rigid, flexible, single & double rapier loom
8th	1st	Selvedge formation
	2nd	Selvedge formation
	3rd	Selvedge formation
	4th	Modern development of this loom.
9th	1st	Modern development of this loom.
	2nd	Modern development of this loom.
	3rd	Modern development of this loom.
	4th	Air- Jet Loom
10th	1st	Describe Weft measuring devices
	2nd	Describe Weft measuring devices
	3rd	Describe Weft measuring devices
	4th	Describe Weft measuring devices
11th	1st	Confusers, Profile reed, Weft insertion in air-jet loom
	2nd	Confusers, Profile reed, Weft insertion in air-jet loom
	3rd	Confusers, Profile reed, Weft insertion in air-jet loom
	4th	Confusers, Profile reed, Weft insertion in air-jet loom
12th	1st	Confusers, Profile reed, Weft insertion in air-jet loom
	2nd	Modern development of this loom.
	3rd	Modern development of this loom.
	4th	Modern development of this loom.
13th	1st	Modern development of this loom.
	2nd	Modern development of this loom.
	3rd	Water- Jet Loom

14th	4th	Describe Weft measuring devices
	1st	Describe Weft measuring devices
	2nd	Describe Weft measuring devices
	3rd	Confusers, Profile reed, Weft insertion in air-jet loom
15th	4th	Confusers, Profile reed, Weft insertion in air-jet loom
	1st	Confusers, Profile reed, Weft insertion in air-jet loom
	2nd	Modern development of this loom.
	3rd	Modern development of this loom.
	4th	Class for revision