

Lesson Plan

Name of Faculty : Rakesh Jindal

Discipline: Textile Technology

Textile Technology Semester: 4th

Subject: **Weaving Technology II**

Lesson Plan Duration: 15 weeks (Jan 2025 – May 2025)

Week	Lecture	Work Load (Lecture / Practical) per week (in hours): Th = 3 per week / Practical 4 per week
1	1	Introduction to Dobby
	2	objectives of Dobby
	3	Comparison of Tappet and Dobby Shedding
2	1	Introduction to different kind of dobbie with respect to lifts
	2	Introduction to different kind of dobbie with respect shed formation
	3	Introduction to different kind of dobbie with respect working of pattern cylinders LHS
3	1	different kind of dobbie with respect working of pattern cylinders RHS
	2	Comparison of single lift and double lift Dobby.
	3	Mechanism and working of different parts of Climax dobbie.
4	1	Introduction to paper dobbie.
	2	Faults in dobbie weaving and their rectification. Introduction to Cam dobbie.
	3	Revision
5	1	Sessional - I
	2	Introduction to figure weaving and objects of Jacquard shedding
	3	Classification of Jacquards
6	1	Comparison of Jacquard weaving with tappet weaving
	2	Comparison of Jacquard weaving with dobbie weaving
	3	Introduction of Single lift Principle of Jacquard shedding
7	1	Introduction of double lift Principle of Jacquard shedding
	2	Construction and working of various parts of Single Lift Single Cylinder (SLSC) Jacquard
	3	limitations of Single Lift Single Cylinder (SLSC) Jacquard
8	1	Construction and working of various parts of Double Lift Jacquards (DLSC)
	2	Construction and working of various parts of Double Lift Jacquards (DLDC)
	3	Revision
9	1	Sessional - II
	2	Comparison of Single Lift Jacquards and double Lift Jacquards.
	3	Comparison of Jacquard weaving with dobbie and tappet weaving.
10	1	Study of working of various parts of Electronic Jacquard
	2	Advantages of electronics Jacquard over conventional Jacquard
	3	Harness building, Parts of Harness,
11	1	Straight tie, Pointed tie
	2	Mixed tie, Borders and middle tie.
	3	Introduction of Card cutting machine

12	1	working of Card cutting machine
	2	Process of card lacing (chain making)
	3	Revision
13	1	Sessional - III
	2	Faults in Jacquard weaving
	3	Jacquard fault Rectification.
14	1	Calculation of production
	2	Calculation of production
	3	Calculation of efficiency effect of jacquard loom on production,
15	1	Calculation relating to set of reed.
	2	Calculation relating to set of harness
	3	Revision