LESSON PLAN

DEPARTMENT OF TEXTILE TECHNOLOGY I. T.T CHOUDWAR

Subject: yarn manufacture-II Semester: 5th Periods: 4/week

Name of Faculty: Sri Rajiblochana Sahoo

No. of weeks/sem. as per SCTE&VT Odisha, Textile Tech./ Engg. : 15

Week	Class Day	Theory / Practical Topics
1st	1st	Revision of YM-I
	2nd	Objects of drawing
	3rd	Principle of drafting and doubling
	4th	Passage of material in draw frame
2nd	1st	Study of different parts of draw frame
	2nd	Study of modern drafting system
	3rd	Concept of roller setting, drafting waves
	4th	Top roller weighting, electronic stop motion
3rd	1st	Technological design change in modern draw frame
	2nd	Study of drafting roller arrangement
	3rd	Online monitoring and auto leveling suction arrangement
	4th	Study of auto motion in dofing
4th	1st	Discussion on maintenance schedule in drafting
	2nd	Need for lap preparation
	3rd	Discussion on fiber presentation and pre-comb draft
	4th	Study of sliver doubling and lap doubling
5th	1st	Principle of unilap machine
	2nd	Objects of combing
	3rd	Degree of combing
	4th	Discussion on combing cycle, types feeding
6th	1st	Study of different settings involved in comber
	2nd	Study of clamping line and clamp setting
	3rd	Concept of nips/min and concentric nipper movement
	4th	Performance of combing cycle
7th	1st	Machinery setting
	2nd	Wire geometry
	3rd	Drafting arrangement and calculation related to draft
	4th	Concept of actual draft and mechanical draft

8th	1st	Study of auto leveling
	2nd	Need of modern comber
	3rd	Working mechanism of modern comber
	4th	Costing calculation in combing
9th	1st	Features of modern comber
	2nd	Comparative study of comber and draw frame
	3rd	Production and efficiency calculation
	4th	Sustainable development in combing
10th	1st	Production waste in combing
	2nd	Maintenance schedule in combing
	3rd	Concept of carded yarn, combed yarn
	4th	**Doubt clearing/ short fall class.**
11th	1st	Objects of speed frame
	2nd	Study of passage of material in a speed frame
	3rd	Study of different parts and function of S/F
	4th	Study of modern drafting system
12th	1st	Principle of twisting, winding
	2nd	Concept of false and actual twist
	3rd	Study of twist and its need
	4th	Concept of package build up
13th	1st	Study of differential motion in S/F
	2nd	Study of modern development in S/F
	3rd	Concept of draft builder, twist driving system
	4th	Contd…. Creel, package size
14th	1st	Contd….. roving tension control, flyer, suction system
	2nd	Roving defects and their remedies
	3rd	Production efficiency assessment
	4th	Calculation related to S/F
15th	1st	Drafting arrangement
	2nd	Concept of back draft
	3rd	Maintenance schedule in S/F
	4th	**Doubt clearing/ Revision**