GUJARAT TECHNOLOGICAL UNIVERSITY
B. E. SEMESTER: VI
TEXTILE TECHNOLOGY

Subject Name: **Statistical Quality Control & Textile Costing**
Subject Code: **162901**

Teaching Scheme				Evaluation Scheme		
Theory	**Tutorial**	**Practical**	**Total**	**University Exam (Theory) (E)**	**Mid Sem Exam (Theory) (M)**	**Practical (I)**
4	0	0	4	70	30	50

Sr. No	Course Content	Hrs.	Text Books
1.	Measures of central tendency. Mean – Medium – Mode – standard Deviation, coefficient of variation.	03	(1)Physical Testing - J.E.Booth.
2.	Normal distribution, Binomial distribution and Poisson distribution	03	
3.	Regression equation.	02	(2)Statistical Techniques-Textile Mills by SITRA.
4.	Co-relation curves.	02	
5.	Analysis of variance – Anova Test Hypothesis.	08	
6.	Design of experiment.	04	(3) Statistics, Volume-II- H.R.Vyas J.D.Patel, R.V. Chavda.
7.	Sampling planning & results.	03	
8.	Chart based on normal distribution P, NP and C distribution.	05	
9.	Instruction to costing, different methods of costing, types of cost, Textile costing.	02	
10.	Labor cost, allocation of labor costs, indirect & direct labor and examples based on it.	02	
11.	Direct expenses & related examples.	01	
12.	Over head costs, cost accounting procedure for over head costs, based on allocation of over head costs, incase of multiple product overhead distribution examples based on it.	03	Textile Costing – P.V.Bhave - ATIRA
13.	Marginal costing, contribution & profit formula practical utility of marginal costing its criticism examples based on it.	03	

14.	Break even concept, profit volume & examples.	02	
15.	Capital budgeting importance of capital budgeting, management of cash flows, capital budgeting appraisal methods. Accounting rate of return methods.	03	

Reference Books:

1. Physical Testing - J.E.Booth.
2. Statistical Techniques- Textile Mills by SITRA.
3. Statistics, Volume-II- H.R.Vyas,J.D.Patel,R .V. Chavda
4. Textile Costing –P.V.Bhave ATIRA