



C.U.SHAH UNIVERSITY
VBT's Institute of Commerce,
Wadhwan city
W.e.f.- June 2017

FACULTY OF: - COMMERCE
DEPARTMENT OF: - Bachelor of Commerce (B.Com)
SEMESTER: - III
CODE: - 4CO03STA2
NAME: – Statistics-I

Teaching & Evaluation Scheme:-

Sr. No	Subject Code	Name of the Subject	Teaching Hours / Week				Credits	Evaluation Scheme							
			Th	Tu	Pr	Total		Theory				Practical			Total Marks
								Sessional Exam		University Exam		Internal		University	
								Marks	Hr/s	Marks	Hr/s	Pr / Viva	TW	Pr	
1	4CO03STA2	Statistics - I	3	--	--	3	3	30	1 ¹ / ₂	70	3	--	--	--	100

Objectives:

To similar the students with various statistics tool and their application in the decision making in business

Course Outline :

No.	Content	No.of Hours
1	Linear Correlation <ul style="list-style-type: none"> • Definition of variable, • Types of Correlation, • Properties of Correlation coefficient • Methods of Correlation : Scatter method, Karl Pearson's method, Spearman's Method • Examples. 	10
2	Linear Regression <ul style="list-style-type: none"> • Meaning of Defintion of regression • Definition OF Regression Co-efficient • Properties of Regression • Two lines of Regression • Sums 	10
3	Probability <ul style="list-style-type: none"> • Concept of Probability • Mathematical & Statistical Definition of Probability • Different terms of Probability • Conditional & Addition law • Examples. 	10

4	Probability Distribution – I <ul style="list-style-type: none"> • Concept of Descript Random Variable & continuous Variable . • Mathematical Exception of Discrete random Variable. • Example 	5
5	Probability Distribution -2 <ul style="list-style-type: none"> • Mean & Variance of Discrete Probability Distribution • Properties & Application of Binomial without proof • Examples. 	10
Total hours		45

Learning Outcomes :-

Theoretical Outcome :- Students can learn Theoretical aspect of Statistics

Practical Outcome :- Student can solve the problems of Statistics

Teaching and Learning methodology :- The following pedagogical tools will be Used to feach this course:

- (A) Lectures
- (B) Case discussions
- (C) Assignments / Class participation / Quiz etc.

Suggested Readings and Reference Books:

1. ‘Business Statistics for Contemporary Decision Making’ by Ken Black, Wiley india Pvt. Ltd
2. ‘Statistics for Business and Economics’ by Anderson, Sweeney, Williams, Cengage Learning
3. ‘ Business Statistics’ by S.C.Gupta, Indra Gupta, HPH Publication