



Sub Committee for Curriculum Development
IT Business Management Specialization

Format to submit syllabus

Course Name: IT Tools for Statistics-II

Course Code: T3257-IT

(UG/PG): UG

Number of Credits: 2

Level: 3

Learning Objective(s):

1. To enable a student to analyze data using Probability and Probability distributions concepts and tools
2. To enable a student to use Spread sheet/Microsoft Excel for statistical applications

Pedagogy:

1. Lecture
2. Case Study
3. Mini Project
4. Assignments

Pre-learning: Knowledge of Permutation, Combination

Course Outline

Sr.No.	Topic	Hours
1	Probability Sample space, events, types of events, classical definition of probability, axioms of probability Random variable, probability distribution of random variable, conditional probability, Bayes Theorem	11
2	Binomial distribution	2
3	Poisson distribution	2
4	Geometric distribution	1
5	Normal distribution	6
6	Exponential distribution	2
7	Testing of Hypothesis- Large sample tests (z-test for single & two populations	3
8	Analysis of Variance with Completely Randomized Design (One way	2

	ANOVA), Data analysis using spreadsheet	
9	Probability,Binomial,Poisson, Exponential distribution, z-test, ANOVA using spread sheet/excel	1

Books Recommended

SrNo	Title of Book	Authors	Publication
1	Statistical Techniques in Business and Economics	Lind, Marchal, Wathen	Tata McGraw-Hill Companies
2	Statistical for Business and Economics	Anderson, Sweeny, Williams	South-Western CENGAGE Learning
3	Business Statistics :Problems and Solutions	J.K.Sharma	Pearson
4	Statistical Methods (Part 2)	P.G. Dixit, Prayag & Kapre	Nirali Publication
5	Head First Statistics	GRIFFITHS, DAWN	SPD

Suggested Evaluation Methods:

1. Written exam
2. Online exam/Quiz
3. Mini Project
4. Presentation
5. Assignments

Parallel/Similar courses the existing curriculum:

S.No.	Name of the course	Institute where it was offered

Name of Member	Mrs. Shilpa Mujumdar	Mrs. Samaya Iyengar		
Designation	Asst. Professor	Asst. Professor		
Org. / Inst.	SICSR	SICSR		
Signature				

Name of the Expert:

Signature:

Date: