



SOMAIYA
VIDYAVIHAR

K J Somaiya College of Science & Commerce

Department: Statistics



K. J. SOMAIYA COLLEGE OF SCIENCE AND COMMERCE

AUTONOMOUS–Affiliated to University of Mumbai

Re-accredited “A’ Grade by NAAC

Vidyanagar, Vidyavihar, Mumbai 400 077

Certificate Course in “Interdisciplinary Basic course in Statistics”

From the academic year 2020-21

Course (Paper)	Course Name	Course Code
I	Interdisciplinary Basic course in Statistics	2OUSCSTI

Practical

Paper		Course Code
I	Theory Course 2OUSCSTI	2OUSCSTPI

Structure of syllabus [From 2020-21]

Course Number	Course Title	Course Code	Credit	Unit/Module	Module Name	Lectures (50 min)
I	Interdisciplinary Basic course in Statistics	2OUSCSTI	02	1	Descriptive statistics: Types of data, Data collection, Sampling technique, measurement of scale, Classification and Tabulation, graphs, diagrams, measures of central tendency, measures of dispersion	12
				2	Correlation and regression analysis: concepts of correlation and regression, fitting straight line and quadratic curves using method of least squares	12
				3	Probability: Definition of probability and properties, addition rule, conditional probability, multiplication rule, Bayes' theorem and independence of events.	12

Practical: Statistical analysis using statistical software such as Excel, R.