



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore
Department of Mathematics (GE for UG Students)

SUBJECT CODE	Category	SUBJECT NAME	TEACHING & EVALUATION SCHEME								
			THEORY			PRACTICAL		Th	T	P	CREDITS
			END SEM	MST	Q/A	END SEM	Q/A				
MAUGGE06	GE	Fundamentals of Statistics	60	20	20	0	0	3	0	0	3

Course Objective

To introduce the students with the Fundamentals of the Descriptive Statistics.

Course Outcomes

After the successful completion of this course students will be able to:

1. understand and apply the basics of Statistics
2. identify statistical distributions and their graphical representation
3. know the measure of central tendency
4. analyse the nature of statistical data.

Course Content:

UNIT – I

Introduction, Frequency distribution, Graphical presentation of the frequency distribution.

UNIT – II

Measures of central tendencies: arithmetic mean, median, mode.

UNIT – III

Measures of dispersion: range, quartile deviation, mean deviation, standard deviation, variance.

UNIT – IV

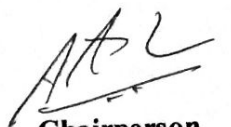
Skewness: Karl-Pearson coefficient of Skewness, Bowley's coefficient of Skewness.

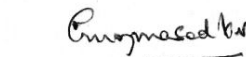
UNIT – V


Moments and Kurtosis, related examples.

References:

1. Fundamentals of mathematical statistics, S.C. Gupta and V.K.Kapoor, sultan chand & sons
2. Fundamental of statistics, Goon, Gupta and Dasgupta.
3. Statistical Methods: An Introductory Text, J. Medhi.


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