PARVATHANENI BRAHMAYYA
SIDDHARTHA COLLEGE OF ARTS & SCIENCE
Autonomous
Siddhartha Nagar, Vijayawada–520010
Re-accredited at 'A+' by the NAAC

23STMIP122: Descriptive Statistics for Business Analytics- Excel

Offered to: All UG Honours Programs **Course Type:** Minor 1

Year of Introduction: 2023-24 **Year of offering: 2023 - 2024**

Semester: II 30 Hrs **Credits: 1**

Course Prerequisites : Student required basic knowledge in Mathematics.

Course Description:

This course gives Practical and working knowledge of Excel to students with the aim of getting to use data analysis

Course Objectives

1) To train students to do the data analysis in excel
2) To compute various measures of central tendency, dispersion, skewness and kurtosis.

Course Outcomes:		
Course Outcome	Upon successful completion of this course, students should have the knowledge and skills to:	**Programme Outcomes Mapping**
CO 1	Draw diagrams and graphs for statistical data.	PO6
CO 2	Analyzing the data basic statistical tools by using excel.	PO6
CO3	Computation of mathematical & positional averages.	PO6
CO4	Evaluating various measures of dispersion for statistical data.	PO6
CO5	Applying the concepts of probability in real life applications.	PO6

CO-PO MATRIX							
COURSE CODE	**CO-PO**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**
23STMIP122	**CO1**						**3**
	CO2						**3**
	CO3						**3**
	CO4						**3**
	CO5						**3**

List of practical's

1) Diagrammatic and Graphical presentation of data - Bar, multiple Bar, Pie, Histogram, frequency polygon and Ogives
2) Diagrammatic and Graphical presentation of data - Bar, multiple Bar, Pie, Histogram, frequency polygon and Ogives using MS-Excel.
3) Computation of measures of central tendency – Arithmetic Mean, Geometric Mean, Harmonic Mean, Median and Mode.
4) Computation of measures of dispersion – Q.D., M.D, S.D, variance and coefficient of variation.
5) Computation of non-central, central moments, and for ungrouped data.
6) Computation of non-central, central moments, and and Sheppard"s corrections for grouped data.
7) Computation of Karl Pearson"s and Bowley"s Coefficients of Skewness
8) Univariate analysis by MS-Excel.

Question Paper Pattern for Core Lab Courses

(A) Semester End Lab Examination

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Offered to: All UG Programs

Max.Marks: 35 **Max.Time: 3Hours** **Pass. Min: 14**

I.	**Answer the following.** **Max. Marks: 30**	
	Q1	
	Q2	
	Q3	
	Q4	
	Q5	
II	**Viva**	**3 Marks**
III	**Record**	**2 Marks**
(B)	**CONTINUOUS ASSESMENT(Internal)**	**15 MARKS**
TOTAL : (A)+(B) =		**50MARKS**

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