Faculty of Management Studies
Bachelor of Business Administration (Semester - II)
In Effect from Academic Year 2025-26

Branch Name:	Management
Program Code:	MS101
Course Title:	Business Statistics
Course Code:	22-BAM206-1C

Course Objectives:

1. To provide a foundational understanding of statistics and its applications in business, equipping you with the skills to analyse and interpret data. Through exploring key concepts and measures of central tendency.
2. To Provide a better understanding of Statistical concepts in solving business related problems.
3. This course equips students with the tools to analyse the linear connection between two variables using correlation. By exploring key concepts and calculation methods.
4. The course serves as a good foundation for further study in business research, management, accounting, marketing and finance.

Teaching Scheme (Hours per week)				**Evaluation Scheme (Marks)**				
Lecture (L)	**Tutorial (T)**	**Practical (P)**	**Credit**	**Theory (Marks)**		**Practical (Marks)**		**Total (Marks)**
				University Assessment	**Continuous Assessment**	**University Assessment**	**Continuous Assessment**	
3	1	0	4	50	50	-	-	100

Course Content:

Module No.	**Topic**	**Total Hours**	**Weightage (%)**
1	**Introduction of Statistics and Measure of Central Tendency:** **Introduction of Statistics:** Meaning and Definitions of Statistics, Importance of Statistics in Business, Limitations of Statistics, Types of Data Collection Methods, Types of Classification Data, Types of Frequency Distribution, Types of Class Intervals, Types of Diagrams. **Measure of Central Tendency:** Introduction, Definition and Calculation of Mean, Median, Mode, Quartiles, Deciles and Percentiles and Combined Mean.	**15**	**25%**
2	**Measures of Dispersion:** Introduction, Definition, Merits, Demerits and Calculation of Range, Range Coefficient, Quartile Deviation, Mean Deviation, Standard Deviation, Variance, Coefficient of Variation (C.V.), Combined S.D.	**15**	**25%**
3	**Linear Correlation**: Meaning and Definition of Correlation, Types of Correlation, Properties of Correlation Coefficient, Method and Calculation of Correlation - 1. Scatter Diagram, 2. Karl Pearson's Method, 3. Spearman's Rank Method, Probable Error of Coefficient of Correlation, Coefficient of Correlation from Bivariate Frequency Distribution.	**15**	**25%**

4	**Linear Regression:** Meaning and Definition of Regression, Definition of Regression Coefficient, Properties of Regression Coefficients & Relation between Correlation and Regression Coefficient, Calculation of Two lines of Regression, Regression Coefficient from Bivariate Frequency Distribution.	**15**	**25%**
	Total Hours	**60**	**100%**

Text Books:

- Fundamental of Mathematics and Statistics by V. K. Kapoor and S. C. Gupta, Sultan Chand & Sons, New Delhi

Reference Books:

- Fundamental of Statistics by S. P. Gupta, Sultan Chand & Sons, New Delhi
- Business Statistics by J. K. Sharma, Vikas Publication, Noida
- Comprehensive Statistical Methods by P. N. Arora, Sumeet Arora & S. Arora, Sultan Chand & Sons, New Delhi
- Practical Business Statistics by Frederick F. Croxton & Dudley, Asia publishing House, Delhi

Course Outcomes (CO):

1. Students will learn what statistics is, why it's important in different business situations, and recognize its limitations and the importance of having good quality data.
2. Students will be introduced to measures of dispersion in statistics, which help in understanding how spread out or clustered data points are within a dataset.
3. Students will tell the difference between different ways to spread out data, such as how wide it can go, or how much it can differ from its average, and know when to use each one.
4. Students will figure out and explain the connection between two things in data, like how they relate, and find the simple way to show it in a number.

Mapping of COs with POs & PSOs

Course Outcomes	Program Outcomes (POs)							Program Specific Outcomes (PSOs)
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1
CO1	H	M	H			L	L	L
CO2	M				H			H
CO3		H				M	M	
CO4			M	L	L		L	M

H: High, M: Medium, L: Low