



Bachelor of Business Administration
B.B.A (General) Semester-III

Course Code	UM03IDBBA01	Title of the Course	Statistics for Management
Total Credits of the Course	04	Hours per Week	04

Course Objectives	<ol style="list-style-type: none">1. This course aims to furnish the students with the Mathematical and Statistical requirement for business management and to know the function of Statistics in the Management field.2. To provide college students with reinforcement of Statistical computations.
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Course Content		
Unit	Description	Weightage (%)
1.	Correlation: <ul style="list-style-type: none">• Introduction and meaning, interpretation and types of correlation.• Method to study Correlation: Scatter Diagram, Karl Pearson's Product Moment Methods, Spearman's Rank correlation.• Properties of Correlation and Example based on Probable Error.	25 %
2.	Regression <ul style="list-style-type: none">• Introduction and meaning of Regression.• Regression Lines, Regression Coefficients, Regression Equations• Properties of Regression, examples based on regression line equations, regression co-efficient.	25 %
3.	Index Numbers <ul style="list-style-type: none">• Introduction and Meaning and Importance of Index Numbers.• Construction of wholesale Price Index Number• Time Reversal Test and Factors Reversal Test• Cost of Living Index Number and related examples.	25 %
4.	Time series Analysis <ul style="list-style-type: none">• Meaning, importance and components• Methods to study trend: Free hand curve, Moving average (3,4,5 yearly), Least square method (Linear Trend)• Seasonal indices by Simple average method.	25 %





Teaching-Learning Methodology	Lecture, Assignment, Quiz, Seminars, Mooc videos, Content- Focused Methods and Interactive / Participative Methods.
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Evaluation Pattern		
As per Sardar Patel University Letter :(E-3/2384) (06/01/2024)		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal	50 %
2.	Internal Continuous Evaluation in the form of Quizzes, Seminars, Assignments and Attendance	
3.	University Examination	50 %
*Students will have to score a minimum 40 (forty) per cent to pass the course.		

Course Outcomes	
1.	Understand how to process and interpret information to arrive at logical conclusions to common business mathematical and statistical applications.
2.	Apply the knowledge of mathematics and statistics in solving business problems.
3.	Analyze and demonstrate mathematical and statistical skills required in intensive areas in Economics and business

Suggested References	
Sr. No.	References
1	Sancheti&Kapoor: Statistic: Theory, Methods and Applications, Sultan Chand & Sons, NewDelhi.
2	Kapoor, V. K.: Business Mathematics, Sultan Chand and Sons, New Delhi.
3	Soni, R. S.: Business Mathematics, Pitamber Publishing House.
4	Trivedi and Trivedi: Business Mathematics, Pearson India Limited. New Delhi.

On-line resources to be used if available as reference material
https://www.investopedia.com/terms/c/correlation https://www.investopedia.com/terms/t/time-series

