

AC –

Item No. –

As Per NEP 2020

**Tolani College of
Commerce
(Autonomous)**



Knowledge is Supreme

**Title of the Course: Business Statistics
(Semester II)**

Programmes: Bachelor of Commerce (Logistics)

Syllabus for 2 Credit Course

From the Academic Year 2024-2025

Name of the Course: Business Statistics

Sr. No.	Heading	Particulars
1	Description of the course:	<p>Business statistics is a branch of statistics that applies statistical techniques to solve business problems and make informed business decisions. Its primary focus is on the practical application of statistical concepts in various business and financial contexts.</p> <p>Business statistics helps the individuals to develop their statistical skills and knowledge necessary to solve practical problems, make sound financial decisions, and contribute to the success and efficiency of businesses across various industries.</p>
2	Vertical :	Skill Enhancement Course
3	Type :	Theory / Practical
4	Credit:	2 credits (1 credit = 15 Hours for Theory and 15 Hours of Practical work in a semester)
5	Hours Allotted :	30 Hours
6	Marks Allotted:	50 Marks (30 (SE) + 20 (CE))
7	Course Objectives: <ol style="list-style-type: none"> 1. To enable the students to understand the basic concepts of measures of central Tendency and Measures of Dispersion 2. To enable the students to understand the transportation and assignment problems. 	
8	Course Outcomes: <ol style="list-style-type: none"> 1. Students gained a deep understanding about the different types of averages and also were able to apply their knowledge to solve problems based on it. 2. Students will be able to apply their knowledge to solve the problems based transportation and assignment. 	
9	Modules:-	<p>Module 1: Measures of Central Tendencies and Dispersion (15 Hours)</p> <ul style="list-style-type: none"> • Measures of Central Tendencies: Definition of Average, Types of Averages: Arithmetic Mean, Median, and Mode for grouped as well as ungrouped data. Quartiles, Deciles and Percentiles. • Measures of Dispersions: Concept and idea of dispersion. Various measures Range, Quartile Deviation, Mean Deviation, Standard Deviation, Variance, Combined Variance. <p>Module 2: Transportation and Assignment Problems (15 Hours)</p> <ul style="list-style-type: none"> • Methods to find Initial Basic Feasible solution, Test for Optimality-MODI method • Hungarian method, Maximization problems., Restricted Assignment Problems

10	Reference Books <ul style="list-style-type: none"> • VK Kapoor, Operation Research; S Chand and sons, 2016 • S.P. Gupta, Statistical methods , 1987 	
11	Internal Continuous Assessment: 40%	Semester End Examination : 60%
12	Continuous Evaluation through:	Assignments (10 marks) MCQ Based Test (10 marks)
13	Format of Question Paper: Q. 1 Attempt any Three (15 marks) <ul style="list-style-type: none"> a. b. c. d. Q. 2 Attempt any Three (15 marks) <ul style="list-style-type: none"> a. b. c. d. 	