Vidya Prasarak Mandal's
K.G Joshi College of Arts & N.G Bedekar College of Commerce, Thane

**Department of Bachelor of Management
Studies(B.MS.) organizes Bridge Course on**

Title: "Basic Mathematics and Statistics"

Preamble:
Basics Mathematics and Statistics course have been designed for first year students by looking into the difficulties faced by the students in preparation of the subjects related to Mathematics and statistics included in 1st, 2nd and 6th semester and their Term end examination of 100 marks. To help those students who have not studied Mathematics in 11th and 12th standard and find it difficult to cope up with these subjects. To help such students to understand basic fundamental concepts of mathematics and statistics. The course will definitely improve basic mathematical skills and help the students to acquire better understanding of the mathematics-based subjects.

Objective:
1. To bridge the gap between 10th std. and F.Y.BMS with respect to the basic concepts in mathematics and statistics.

2. To make students understand basic mathematical and statistical concepts and principles computational skills ,algebra, basic statistical measures and their applications in business.
3. To teach application of business mathematics in professional / real life.

Syllabus:

1. Computational mathematics, algebra and geometry
2. Ratio, Proportion and Percentage, Interest, Annuity,
3. Functions, Derivatives, Basics of matrices
4. Basic statistical measures of central tendency, probability.

Curriculum:

Course Duration: 15 days (1.5 hour per day), Total – 22.5hrs

Eligible Students: Any F.Y. student in the field of commerce and

Course Inception: 2018-2019 (Continue till date)

Commencement of Course: Every year in the month of August

Time : 11.30 am to 1.00 pm

Mode : Hybrid (Online/ Offline)

Reference Books:

1. Business Mathematics By D. C. Sancheti and V. K. Kapoor, Sultan Chand & Sons, 2006, Chapter 1, 5, 7, 9 &10.
2. Business Mathematics and Statistics by R.K. Ghosh and S. Saha, New Central Agency Pvt. Ltd. Calcutta
3. Business Mathematics & Statistics: B Aggarwal, Ane Book Pvt. Limited
4. Introduction to Fundamental Statistics: S.P. Gupta and V.K. Kapoor, Sultan Chand & Sons

Course Outcome:

1. Improvement in understanding of fundamental calculus.
2. Enhance computational skills in algebra, geometry and applied mathematic
3. Develop and maintain problem-solving skills.
4. Develop skills in understanding data based statistical inference.
5. Use mathematical and statistical applications in business.

Prof. Mohini Kulkarni   Prof. Nitin Pagi
(Course Co-ordinator)   (BMS Co-ordinator)