

Descriptive Statistics (Bivariate) and Probability Distributions	Course Code: B060201T
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Course outcomes:

After completing this course, a student will have:

- Knowledge of the method of least squares for curve fitting to theoretically describe experimental data with a function or equation and to find the parameter associated with the model.
- Knowledge of the concepts of correlation and simple linear regression and Perform correlation and regression analysis.
- Ability to interpret results from correlation and regression.
- Ability to compute and interpret rank correlation.
- Ability to understand concept of qualitative data and its analysis.
- Knowledge of discrete distribution. Discuss appropriate distribution negative binomial, Poisson, etc with their properties and application of discrete distribution models to solve problems.
- Knowledge of continuous distributions. Discuss the appropriate distribution (i.e. uniform, exponential, normal, etc.) with their properties and application of continuous distribution models to solve problems.
- Knowledge of the formal definition of order statistics.
- Ability to identify the application of theory of order statistics in real life problems.