PROGRAM OUTCOMES, PROGRAM SPECIFIC OUTCOMES, COURSE OUTCOMES

Course: BSC statistics	**Outcomes**
Descriptive statistics and probability theory	Students learn to design data collection plans and basic tools of descriptive statistics.
Regression analysis and discrete distributions	Student learn to i) identify the relationship between two variables using scatter plot ii) Interpret a sample correlation.
Continuous probability distribution	Students learn different types of continuous distribution with their properties and applications.
Sampling theory	Understand the concept of sampling distribution of a statistic and its properties, difference between parameter and statistic.
Statistical inference-I Statistical quality control	Students are able to describe the properties of unbiasedness. They are also learning to identify the null hypothesis, alternative hypothesis and test statistic. Students are able to i) explain the different meanings of the quality concept and its influence.
Statistical inference-II Operations research	Students learn to i)dentify situauations where one-way ANOVA is appropriate ii) identify the degrees of freedom associated with each sum of squres, iii)Interpret an ANOVA table. i)Formulate and solve LPP, Assignment problems, Transoportation problems. ii) solve the zero-sum-two person -game