Course title: Statistics for Data Science			
Course code:	**No. of credits:** 4	**L-T-P:** 30-15-00	**Learning hours: 60**
		L: Lectures; **T:** Tutorials; **P:** Practicals	
Pre-requisite course code and title (if any): None			
Department: Natural and Applied Sciences			
Course coordinator:		**Course instructor:**	
Contact details:			
Course type: Core		**Course offered in:** Semester 1	

Course Description

The course has been designed and intended to help students to understand the fundamentals of statistics for data analysis. Students will be learning about data collection and how to extract information from data. The course introduces the concepts of correlation, regression, and hypothesis testing.

Course objectives

- Become familiar with the basic concepts in statistics and exploratory data analysis.
- Introduce descriptive statistics and tools of data visualization.
- Differentiate between descriptive and inferential statistics.
- Understand the concept of data sampling, parameter estimation and hypothesis testing.
- Become aware of a wide range of applications of statistics and data analysis in decision making.
- Develop technical skills to use statistical tools and software in data analysis.