

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE (M)**

BOATH @ ADILABAD

**BSc(STATISTICS)**

POs and COs

<b>Program outcomes of B.Sc. (Statistics)</b>	
After completion of three-year graduation student acquire the following attributions	
PO1	The B. Sc.Statistocs develops scientific temperament and attitude among the science graduates
PO2	The qualities of a science – observation, precision, analytical mind, logical thinking, clarity of thought and expression, systematic approach, qualitative and quantitative decision making are enlarged.
PO3	The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice .
PO4	This programme trains the learners to extract information, formulate and solve problems in a systematic and logical manner
PO5	This programme enables the learners to perform the jobs in diverse fields such as science, engineering, industries, survey, education, banking, development-planning, business, public service, self-business etc. efficiently
PO6	Students will be able to acquire core knowledge in Statistics in the key areas, develop Programming skills in Statistics, Mathematics, Data science, Software , Commerce.
PO7	Design &Develop a Project, demonstrate their understanding of the Industrial needs
PO8	Develop proficiency in acquiring data using a variety of instruments, analyse& interpret the data, learn applications of numerical techniques
PO9	Realize & develop an understanding of the impact of Statistics in this era.
PO10	Students will be able to acquire core knowledge in Statistics in the key areas, develop Business Skills, Software, Data collection. Population Counting.

## II. Course Outcomes BSc(Statistics)

<u>S.No</u>	<u>Course Title</u>	<u>Course Objectives and Out Comes</u>	
1	<b>Measures of Central Tendency, Skewness, Kurtosis, Distributions.</b>	C01	Understanding of Data collection
		C02	Understanding of Normal Curve
		C03	To learn the implementations of Tables, Surveys, Computer Programing.
		C04	It Deals Complete Data Manipulating, Students Awareness On Data.
2	<b>Binomial Distribution, Poision Distribution, Normal Distributions. ( All Distributions).</b>	C05	Understanding of Estimate the Building the Company.
		C06	Understanding of Knowledge On Business. And to Estimate the Products of Life. ( Working).
		C07	To learn the implementations of mathematical theory of functions through Distributions.
		C08	Working with Computer Programing.( R- Programing Language)

3	<b>Statistical Methods And Theory of Estimation.</b>	C09	Correlation And Regression to make the Relationship with Variables And Mathematical Working.
		C10	It Deals Theory of Attributes. The Quality of Product. To make Students the Know about Products.
		C11	T, F,ChisQuare Distribution. To Test the Samples. ( R-Programming Language).
		C12	Maximum Likelihood Estimator. To deals the make Communicate with Mathematics and Data science.
4	<b>Statistical Inference</b>	C13	Understanding the Test ( All). To Test the Products.
		C14	Understanding the Non Parametric Test.
		C15	Implementing the Parametric Test.
		C16	Understanding the large Sample Test, Small Sample Test, Test of hypothesis. Significance.
5	<b>Applied Statistics -1</b>	C17	Understanding Sampling Distributions.
		C18	Understanding Stratified Random Sampling, Systematic Random Sampling.
		C19	It Deals the Measures of Time Series.
		C20	It Deals the Statistical Quality Control of Products.
6	<b>Applied Statistics -2</b>	C21	Understanding the Analysis of Variance ( ANOVA) Table.
		C22	Understanding the CRD, RBD, LSD. Randomised Test.( ANOVA Tables)
		C23	Understanding the Vital Statistics.
		C24	Implementing and Understanding the Index Numbers.