



DEPARTMENT OF STATISTICS
KAKATIYA UNIVERSITY- WARANGAL

Name of the Programme: **M.Sc. Statistics**

Courses offered by the Department:

M.Sc.Statistics

Ph.D. Programme in Statistics

M.Sc. Statistics: Students are selected through entrance test (CPGET)

Ph.D. Programme in Statistics: Ph.D. Students are selected through eligibility test conducted by Kakatiya University.

Vision

To Impart quality education and appropriate training to develop qualified and competent Statisticians for the welfare of the society.

To Develop the Department as a Centre for Quantities Methods (CQM) for analyzing the data of different fields.

Mission

It shall develop competently, committed, and compassionate leaders with the advanced knowledge, skills, and attitudes required to manage changes in the field.

It shall endeavor to continuously acquire, upgrade, and disseminate knowledge, creating And developing skills of highly adaptable employees capable of working in both Government and Private sector.

It shall encourage students to go beyond the classroom and learn about basic research and applications.

Program Outcomes:

1. To create, apply, and disseminate knowledge of Statistics in theoretical and experimental domains.
2. To develop the ability to identify, formulate, analyze and solve problems in Statistics at both curricular and research level through critical thinking.
3. To enable students to apply ICT based skills and making them scientific software literate to use in academics.
4. To encourage research culture, provide research ambience and develop related technical proficiency.
5. To inculcate academic and social ethical values among the students.

Program Specific Outcomes:

1. The course curriculum is designed to strengthen the fundamentals in basic subjects and Provide hands on practice in all the disciplines of Mathematical sciences.
2. Students are able to apply the knowledge of core concepts of Statistics in semester exams, in the NET and SET, national and state level exams as well as in the research level projects work which is suitable to communicate/present further in workshops and conferences.
3. Through assignments, NET-SET coaching workshops and research based project work in both theoretical and experimental domains; students are able to reveal analytical skills and critical thinking.
4. In day today access to study material, through presentations, students are capable enough to make use of PowerPoint presentations, Web-based academic links and can also get hands on experience of using proprietary software like SAS, R-Programming, SPSS and MATLAB under experimental learning.
5. Through the research cultural of the department and skills acquired therein, students are capable of sustaining subsequent academic progression inside the country and overseas as well.