

# **DEPARTMENT OF STATISTICS**

## **DEPARTMENTAL POLICY DOCUMENT**

### **1. Vision**

- To promote the intellectual growth and personal integrity of students.
- To provide a strong foundation, suitable for further study and offer career opportunities in Statistics and related fields, thereby inspiring, energizing, motivating, and stimulating students' creativity.
- To acquaint students with various statistical methods and their applications across different fields.
- To prepare students to compete with the present competitive world.

### **2. Mission**

- To spread knowledge of Statistics and its applications in various fields by conducting workshops and seminars, and related activities.
- To provide a broad and solid foundation in Statistics by enabling students to go for higher studies and apply statistical concepts effectively.
- To promote student participation in statistical activities at local, regional, and national levels.
- To create awareness about the effective use of Statistics for social concern through the activities of the Statistical Association.

### **3. Curriculum and Course Design**

- The Department follows the UG Statistics syllabus prescribed by TANSCHE.
- The curriculum is designed under the CBCS and OBE frameworks to ensure systematic learning.
- The courses include both theoretical and practical components for balanced academic development.
- Statistical software such as Excel, R, Python and SPSS is introduced to improve practical skills.
- The curriculum includes assignments, seminars, quizzes, mini-projects, and group projects.
- The Curriculum focuses on basic, applied, and computational statistics necessary for higher studies and jobs.

#### **4. Teaching–Learning Process**

- Teaching emphasizes clarity of explanation and student understanding, following a student-centred approach.
- ICT tools and online resources, such as LMS, support classroom teaching.
- The STAT Association organizes seminars, workshops and related activities that encourage students to learn beyond the syllabus.

#### **5. Faculty Development**

- Faculty members attend FDPs to improve their teaching and research skills.
- Faculty members participate in conferences to stay updated on current developments in Statistics.
- Online courses are taken by faculty members to strengthen their teaching and research abilities.
- Department-organized seminars and workshops provide further exposure to faculty members through planning and coordination.

#### **6. Research and Student Projects**

- Students are encouraged to undertake mini-projects and surveys as part of the curriculum.
- Faculty members guide students in applying statistical methods to real-world datasets.
- Students participate in project presentations, competitions, and academic events.
- The Department promotes a research culture through student-based activities and data analysis tasks.
- Alumni interact with students, sharing their experiences and guiding them on higher studies and career opportunities.

#### **7. Association and Extension Activities**

- The Department celebrates National Statistics Day on 29 June every year.
- Activities such as seminars, quizzes, expert talks, and exhibitions are conducted through the STAT Association.
- Extension activities and statistical literacy programmes are conducted in schools and local communities.
- Institutional visits and outreach programmes help students understand the practical application of Statistics in society.
- Students actively take part in cultural and interdepartmental events in the campus.

## **8. Student Support**

- Remedial classes and mentoring are provided for students who need additional academic support.
- Mentors regularly monitor the academic and personal progress of students.
- Information on scholarships and financial assistance is shared with students.
- Student feedback is collected and used to improve departmental functioning.

## **9. Gender Sensitivity and Inclusivity**

- The Department ensures a respectful, safe, and comfortable learning environment for all students.
- Equal opportunities are provided for all students to participate in departmental activities.
- The Department supports students from diverse socio-economic and educational backgrounds.

## **10. Continuous Improvement and Feedback**

- Feedback on teaching, curriculum, and available facilities is collected every semester.
- The feedback is reviewed and discussed with the IQAC for necessary improvements.

## **11. Best Practices**

- The active **STAT Association** organizes academic and co-curricular activities to strengthen statistical learning.
- With the help of our alumni, the Department conducts hands-on training, workshops, and seminars on statistical software (Excel / SPSS / R) to enhance practical knowledge.
- Annual day-observations, seminars, quizzes, and industrial / institutional visits broaden students' exposure.
- Students gain valuable experience in data collection, analysis, and interpretation through surveys and mini-projects.