

Guest Lecture on “Careers in Statistics & Data Science”

27th August 2024

Organized by: Department of Mathematics & Statistics

The Department of Mathematics and Statistics organized an insightful seminar on "Careers in Statistics and Data Science" on 27th August 2024 aimed at third-year BSc Statistics students. The resource person was Mr.G.Chakravarthi , HOD, Dept. Of Statistics & Academic Officer, PBSC, Vijayawada. The seminar was designed to provide students with a comprehensive understanding of career opportunities in the fields of statistics and data science, highlighting the skills, trends, and prospects in these dynamic areas.

Objectives :

- To explore career pathways in statistics and data science.
- To understand the skills and qualifications required for various roles.
- To discuss industry trends and future outlooks in the field.
- To provide practical insights and advice for aspiring professionals.

Significance & Outline of the Programme:

In this session the resource person began by defining statistics and data science, emphasizing their importance in today's data-driven world. He explained how statistics forms the foundation of data science, which combines statistical analysis with advanced computational techniques to extract meaningful insights from large datasets.

❖ Career Pathways:

- ✓ Statistical Analyst
- ✓ Data Scientist
- ✓ Data Engineer
- ✓ Quantitative Analyst

❖ Research Scientist

- ✓ Skills and Qualifications
- ✓ Technical Skills
- ✓ Analytical Skills
- ✓ Communication Skills

❖ Industry Trends:

- ✓ Big Data
- ✓ Machine Learning and AI

❖ **Practical Advice:**

- **Internships and Projects**
- **Networking**
- **Continuous Learning**

Outcomes of Guest Lecture:

The Guest Lecture provided valuable insights into the diverse career opportunities available in statistics and data science. Mr. Chakravarthi's expertise and practical advice equipped the students with a clearer understanding of the paths they can pursue and the skills they need to develop. The Department of Mathematics and Statistics extends its gratitude to Mr. Chakravarthi for his engaging and informative presentation and to all the students who participated actively.

In this session our beloved Principal Dr.G.Krishnaveni , Vice Principals Sri P L Ramesh, Dr. M. Venkateswara Rao, Dr. K.Rama Krishna, IQAC Coordinator ,Head of the Department of Mathematics and Statistics Ms. P.Kalma Begum and Smt Ch.Radhika , all the faculty members of Mathematics and Statistics and 100 students from and III B.Sc(Statistics),II B.Sc(Statistics) and II B.Sc(AI & ML) have participated in the programme.

