BHARATHIAR UNIVERSITY OFFERS
M.Sc. BIOSTATISTICS PROGRAMME

Biostatistics has a very broad application base that includes both academic research and practical applications. Biostatisticians work closely with medical researchers to conduct thorough study designs, gather pertinent data, run statistical analyses, and interpret the findings. A programme in Biostatistics is offered to comprehend biological processes, assess the efficacy of therapies or treatments, forecast the course of health, and make decisions grounded in medical/health data analysis. To contemplate the need for Biostatisticians to work both in theory and applications, the DEPARTMENT OF STATISTICS has started a new course M. Sc. Biostatistics with new dimensions and a renewed focus on bringing out the students who can serve in several streams of health care such as Hospitals, Diagnostic Laboratories, Drug discovery, Biomedical Research, and Pharmaceutical companies etc., From this academic year onwards which will fortify the knowledge of students and capacitate them to obtain jobs in the aforementioned healthcare sectors.

Highlights of the Programme

1. Well-developed curriculum designed by the experts to equip the students both in theory and practical applications of Biostatistics.

2. Job-Oriented Certificate Courses and Value – Added Courses are offered with a special emphasis on Medical/Clinical applications.

3. Encourage and support project dissertations focusing on Clinical/Medical/Pharmaceutical needs and national importance with state-of-the-art research facilities.

4. Training visits to hospitals and diagnostic industries to learn the real-life accomplishments of various Clinical/Medical procedures and to identify impending problems in these sectors.

5. Placement training for promoting the students and workshop activities.

Scope of the Programme

The job scope for individuals with a background in biostatistics is quite diverse and can span across various sectors including:

Academia/Research Institutions: Biostatisticians in academia often conduct research in fields like epidemiology, genetics, public health, and medicine. They design studies, analyze data, and interpret results to contribute to scientific knowledge.

Pharmaceutical Industries: Biostatisticians play a crucial role in pharmaceutical companies by designing clinical trials, analyzing data from drug trials to assess safety and efficacy, and ensuring that trials meet regulatory standards.

Public Health Organizations/Government Agencies: Biostatisticians work in public health agencies, such as the Centers for Disease Control and Prevention (CDC) or the World Health Organization (WHO), where they analyze health data to track disease trends, evaluate interventions, and inform public health policies.

Healthcare Industries: In healthcare settings, biostatisticians may work in hospitals or healthcare companies to analyze patient data, evaluate treatment outcomes, and improve healthcare delivery.

Consulting Firms: Biostatisticians may work for consulting firms that provide statistical expertise to a range of clients in healthcare, pharmaceuticals, biotechnology, and other industries.

Non-profit Organizations: Biostatisticians may work for non-profit organizations focused on health-related issues, such as cancer research organizations or global health initiatives, where they analyze data to address specific health challenges.

Academic Medical Centers: Biostatisticians at academic medical centers collaborate with clinicians and researchers to design and analyze studies, publish findings, and secure grant funding.

Environmental and Ecological Research: Biostatisticians work in environmental or ecological research, where they analyze data related to biodiversity, environmental impact assessments, and conservation efforts.

To apply for this program click on, https://b-u.ac.in/pg-admission-2024-25-notification