

BTY422:DISSERTATION-I

L:0 T:0 P:4 Credits:2

Course Outcomes: Through this course students should be able to

- CO1 :: familiar with the thrust research areas in the discipline for future research work
- CO2 :: explain the process of a systematic search of research articles and critical review of the literature
- CO3 :: identify the ability to interpret and explain research findings
- CO4 :: analyze data, identify research gaps, and suggest avenues for further investigation
- CO5 :: assess various resources required for the research work
- CO6 :: create a structured dissertation report showcasing original analysis and clear presentation of findings.

List of Practicals / Experiments:

Literature Review Techniques and Tools

- Procedure of literature search and review

Research Trends in Microbiology & Biochemistry

- Discussion on thrust research area- Microbiology and Biochemistry

Innovations in Biotechnology

- Discussion on thrust research area- Biotechnology

Advances in Molecular Biology & Genetics

- Discussion on thrust research area- Molecular Biology and Genetics

Forensic Science: Research and Applications

- Discussion on thrust research area- Forensic Science

Biodiversity Studies in Botany & Zoology

- Discussion on thrust research area- Botany and Zoology

Faculty Research Profiles and Scholar Interaction

- Research profiles of faculty members and Interaction with PhD scholars

Research Lab Orientation and Demonstration

- Visit the relevant research lab

Expert Talks and Skill Workshops

- Guest Lectures/Workshop

Research Policy and Dissertation Guidelines

- Awareness of University Research Policies and Dissertation Expectations

Text Books:

1. RESEARCH METHODOLOGY : METHODS AND TECHNIQUES by C.R. KOTHARI, GAURAV GARG, NEW AGE INTERNATIONAL PUBLISHERS

References:

1. FUNDAMENTAL OF RESEARCH METHODOLOGY AND STATISTICS by Y.K. SINGH, NEW AGE INTERNATIONAL PUBLISHERS
2. A BOOK ON RESEARCH METHODOLOGY FOR PH. D. COURSE WORK: IN LIFE SCIENCES by PRIYANKA PANDEY, WASIM RAZA, Walnut Publication

