St. Bede's College, Shimla

PROGRAM OUTCOMES

M.Sc. BOTANY

The students imbibe love and curiosity towards nature through the living plants. The course is designed to understand the relationship between science and society by recognizing and discussing logical, scientific and ethical issues in Botany subject. The students acquire knowledge about various analytical and technical skills related to plant sciences.

PO-1: Knowledge:

Knowledge of the subject is the sole objective of any learner. Students will have a comprehensive understanding of plant biology including Biodiversity, Plant anatomy, Physiology, Genetics, Ecology, Taxonomy, Molecular Biology, Computers and Statistics. Knowledge in the basic and advanced fields of the core and applied disciplines helps for the fulfillment of professional requirements.

PO-2: Critical Thinking:

Attaining core and advanced knowledge in different areas of Botany enable the learners to develop the powers of inquiry, critical analysis, logical thinking for finding solutions of biological problems. The students capable to analyze and interpret results generated through studies in botany, taxonomical treatments, field studies, excursion tours and laboratory techniques used in the subject.

PO-3: Application Development:

The program, enable learners to understand the development of the applications of biological materials, identification of various life forms of plants, design and execute experiments related to basic studies of the courses. Students will also be familiarized with the application of statistics to biological data.

PO-4: Interdisciplinary approach & Adaptation:

Understanding of the vital connections, within and among the flora, fauna and the physical environment, enabling the students to integrate and synthesize the acquired knowledge within their fields and beyond.

PO-5: Environment and Sustainability:

Learner understands the issues of environmental contexts and sustainable development with respect to assessment, conservation and utilization of floral diversity.

PO-6: Specialization and Employability:

Specialization in various skills based practical training, fields' visits and project based vocational training as well as specialization for an entrepreneurial thinking and career oriented approach in research as well as in industries etc.