

Department Botany

Programme Outcome

POs	Botany Specific Outcomes
PO1	Knowledge and understanding of: The evaluation of plant diversity, plant classification, the range of plant diversity in terms of structure, function and environment relationships, the role of plants in the functioning of the global ecosystems, Statistics and bioinformatics as applied to biological data.
PO2	Knowledge and understanding of: The evaluation of plant diversity, plant classification, the range of plant diversity in terms of structure, function and environment relationships, the role of plants in the functioning of the global ecosystems, Statistics and bioinformatics as applied to biological data.
PO3	Scientific Knowledge: Apply the knowledge of basic sciences, life sciences and fundamental process of plants to study and analyze plant form.
PO4	Modern tool usage: Create, select and apply appropriate techniques, resources, and modern instruments and equipments for biochemical estimation, molecular biology, plant tissue culture experiments, cellular and physiological activities of plants with an understanding of the application and limitations.
PO5	The Botanist and society: Apply reasoning informed by the contextual knowledge to assess plant diversity, its importance for society, health, safety, legal and environmental issues and the consequent responsibilities relevant to the biodiversity conservation practice.
PO6	Practical skills: Students learn to carry out practical work, in the field and in the laboratory. They gain introductory experience in applying each of the following skills. 1. Interpreting plant morphology and anatomy. 2. Plant identification. 3. Vegetation analysis techniques. 4. A range of physiochemical analysis of plant materials in the context of plant physiology and biochemistry. 5. Analyze data using appropriate statistical methods and computer packages.
PO7	Ethics: Apply ethical principles and commit to environmental ethics and responsibilities and norms of the biodiversity conservation.
PO8	Critical Thinking: Apply the knowledge of biology to make scientific queries and enhance the comprehensive potential.
PO9	Build Skills: Building skills in mushroom cultivation technology, biofertilizers, gardening and floriculture and in medicinal botany through skill enhancement courses.
PO10	Problem Analysis: Recognize and solve the problem of plant world. Formulate independent research related to Botany