

M. Sc Botany Programmes

Programme Outcomes (POs)

After the completion of the M.Sc Botany Programme, the students will be in a position to

PO1: Domain knowledge: Demonstrate knowledge of basic concepts, principles and applications of the specific science discipline

PO2: Resource Utilisation. Cultivate the skills to acquire and use appropriate learning resources including library, e-learning resources, ICT tools to enhance knowledge-base and stay abreast of recent developments

PO3: Analytical and Technical Skills: Ability to handle/use appropriate tools/techniques/equipment with an understanding of the standard operating procedures, safety aspects/limitations

PO4: Critical thinking and Problem solving: Identify and critically analyse pertinent problems in the relevant discipline using appropriate tools and techniques as well as approaches to arrive at viable conclusions/solutions

PO5: Project Management: Demonstrate knowledge and scientific understanding to identify research problems, design experiments, use appropriate methodologies, analyse and interpret data and provide solutions. Exhibit organisational skills and the ability to manage time and resources

PO6: Individual and team work: Exhibit the potential to effectively accomplish tasks independently and as a member or leader in diverse teams, and in multidisciplinary settings.

PO7: Effective Communication: Communicate effectively in spoken and written form as well as through electronic media with the scientific community as well as with society at large. Demonstrate the ability to write dissertations, reports, make effective presentations and documentation.

PO8: Environment and Society: Analyse the impact of scientific and technological advances on the environment and society and the need for sustainable development

PO9: Ethics: Commitment to professional ethics and responsibilities

PO10: Life-long learning: Ability to engage in life-long learning in the context of the rapid developments in the discipline

Programme Specific Outcomes (PSOs)

By the end of the Programme, the students will be able to

PSO1: Understand the basic principles of Life forms for the scientific phenomena of Plant Science

PSO2: Understand the enumeration and description of the natural phenomena

PSO3: Appreciate the knowledge on the various branches of Botany (Plant Morphology, Anatomy, Embryology and Physiology)

PSO4: Comprehend the importance of conservation of plant resources

PSO5: Understand the various applications of plants to human welfare