

Programme Learning Outcome (PLOs):

PLO-1	Use of Technology and Problem Analysis and Solutions	Apply appropriate IT tools efficiently in their daily life- professional and personal. Think critically, identify, analyze problems/ situations and further attempt to design/ develop solutions that meet the specified goals
PLO-2	Environment and Sustainability, Ethics and Social responsibility	Be aware of environmental issues and commit towards sustainable development at local/ national and global context. Recognize and understand professional ethics /human values and be responsible.
PLO-3	Individual and Team work, Communication skills and Life Skills.	Function effectively at various levels, capacities and situations. Communicate proficiently (oral and written) as a responsible member of society. Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of domain specific change
PLO-4	Research Aptitude	Understand general research methods and be able to analyse, interpret and derive rational conclusions
PLO-5	Recognize all forms of lower plants (Algae, Fungi, Bryophytes, Pteridophytes), higher plants (Gymnosperm and Angiosperm). Illustrate distinct features of plant kingdom.	
PLO-6	Recognize cell organelles and bio molecules including enzymes, Predict and interpret their significances in cell metabolism/functioning and Pathways.	
PLO-7	Apply physiological mechanism operational in plants, analyse, extract and identify valuable plant products (Primary/ Secondary) with economic potential and health effects.	
PLO-8	Analyse the techniques and working principles of Instruments used in Botanical studies and apply the knowledge in Basic and applied Plant research (Microbiology, Plant Physiology, plant breeding, Fungi, Plant Tissue Culture, Plant Genetic Engineering, Ecology,	

	plant drug technology. etc.).
PLO-9	Analyse applications of online biological databases, data handling.
PLO-10	Appraise student's knowledge in Botany including fundamental basis of all living organisms (Plant and Microbes) and applying the same in sustainable usage of resources for the quality human survival on planet earth and protect environment.

