



Department of Botany
Jawaharlal Nehru College, Boko
PROGRAMME SPECIFIC OUTCOMES (PSOs)
<https://www.jncollegeboko.ac.in>

At the end of the completion of FYUGP, the students able to learn of following:

PSO1	Knowledge: The range of plant diversity in terms of structure, function and environmental relationships, Plant classification, the role of plants in the functioning of the global ecosystem, statistics as applied to biological data, biomolecules, biotechnology and its applications, biosafety, and intellectual property rights.
PSO2	Relationship with nature: Appreciate nature, and become socially responsible citizens by using the acquired knowledge to help conserve environment.
PSO3	Practical skills: Students learn to carry out practical work, in the field and in the laboratory. They would gain practical knowledge about the following: ➤ plant morphology and anatomy. ➤ Plant identification. ➤ Vegetation analysis techniques. ➤ A range of physiochemical analyses of plant materials in the context of plant physiology and biochemistry. ➤ Analyze data using appropriate statistical methods and computer packages. ➤ Plant pathology and microbiology. ➤ Different nursery techniques.
PSO4	Transferable skills: ➤ Use of IT (word-processing, use of internet, statistical packages and databases). ➤ Communication of scientific ideas in writing and orally. ➤ Ability to work as part of a team.

	➤ Ability to use library resources. ➤ Career planning.
PSO5	Research field: Design, Conduct, and analyses experiments using appropriate techniques and tools in the field of botany, while integrating information from various disciplines within and related to botany, such as bioinformatics, nanoscience, biotechnology, forensic botany, and artificial intelligence.
PSO6	Environment and sustainability: Understand the impact of the plant diversity in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PSO7	Ethics: Apply ethical principles and commit to environmental ethics and responsibilities and norms of the biodiversity conservation.
