

VIVEKANAND COLLEGE KOLHAPUR, (AUTONOMOUS)
DEPARTMENT OF BOTANY

PO's:

PO1: To acquire knowledge with facts.

PO2: To acquire the skills in handling scientific instruments.

PO3: To develop scientific outlook with respect to science subjects.

PO4: To analyze the given scientific data critically and systematically.

PO5: To realize ethical moral and social values in personal and social life.

PSO's:

1. Critically evaluation of ideas and arguments by collection relevant information about the plants:

- Broad classification of plants with phylogenetic level.
- Identify problems and independently propose solutions using creative approaches.
- Knowledge acquired through interdisciplinary experiences and a depth of expertise in the field.

2. Collection and analysis of data:

- Students will be able to apply the scientific method to questions in botany by formulating testable Hypotheses.
- Collection of data that address these hypotheses and analyze the data to assess the degree to which their scientific work supports their hypotheses.
- To access the primary literature, identify relevant works for a particular topic, and evaluate the scientific content of these works.

3. Interpretation of taxonomical data:

- Accurately interpretation of collected information and use taxonomical information to evaluate and formulate a position of plant in taxonomy.

4. Techniques involved in interpretation of collected data:

- To apply fundamental mathematical tools (statistics, calculus) and physical principles (physics, chemistry) to the analysis of relevant biological solutions.
- To compare and contrast the characteristics of plants, algae, and fungi that differentiate them from each other and from other forms of life.

5. Plant ecosystem and environment:

- To explain the ecological interconnection of life on earth by tracing energy and nutrient flow through the environment.
- To relate the physical features of the environment to the structure of populations, communities And different ecosystems.