Rayat Shikshan Sanstha's

Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College

Manchar, Tal. Ambegaon, Dist. Pune

DEPARTMENT OF BOTANY

PROGRAM SPECIFIC OUTCOMES (PSO)

Sr. No.	Program	Program Specific Outcomes (PSO)
1	B.Sc.	**1.To provide thorough knowledge about various plant groups from primitive to highly evolved.** **2.To make the students aware of applications of different plants in various industries.** **3.To highlight the potential of these studies to become an entrepreneur** a. **To equipped the students with skills related to laboratory as well as field-based studies** b. **To make the students aware about conservation and sustainable use of plants** c. **To create foundation for further studies in Botany** d. **To address the socio-economic challenges related to plant sciences** e. **To facilitate students for taking up and shaping a successful career in Botany.**
1	M.Sc.	**PSO 1: Understanding the classification of plants, cryptogams to Spermatophyte. Identification of the flora within field Study of biodiversity in relation to habitat will correlates with climate change, land and forest degradation. Application of Botany in agriculture is through study of plant pathology.** **PSO 2: Understand the ultra-structure and function of cell membranes, cell communications, signaling, genetics, anatomy, taxonomy, ecology and plant Physiology and biochemistry. To understand the multi functionality of plant cells in production of fine chemicals and industrial applications.** **PSO3: Molecular Physiological adaptations in plants in response to biotic and abiotic stress. Genes are responsible for stress tolerance genetic engineering of plants.**