LOKNETE DR.BALASAHEB VIKHE PATIL (PADMABHUSHAN AWARDEE) Establishment 4 August 2004
PRAVARA RURAL EDUCATION SOCIETY'S
ARTS, COMMERCE & SCIENCE COLLEGE, ALKUTI
ID. No. PU/AN/ACS/78/2004
College code No.757
A/p.Alkuti, Tal.Parner, Dist.Ahmednagar.Pin-414305
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Department of Botany

Programs offered: B.Sc. Chemistry (2013 Pattern)

Sr. No.	Program	ProgramObjective	Program Specific Objectives
01	B.Sc. Botany	**PO1. CriticalThinking:**Thecurriculum Madeforthebettermentofthestudents,enhancetheabilityand Thinkingpower. **PO2.EffectiveCommunication:**thecompletemediumofprogramisin English,sostudentswillcommunicate Inthe same. **PO3.**SocialInteraction:Dueto Continuous fieldvisitsintheinteriorregion's studentsinteractwiththesocialactivities fortheirstudy. **PO4.Effectivecitizenship:**Beingthe botaniststudentsmustcommunicatewithmanypeople,theybecomemorefamiliar as wellasinteractive. **PO5.Ethics:**Thesubjectteaches studentsabouttheethicalapproach,not tocutthe plants. **PO6.Environmentandsustainability:**Conservationpracticesarestudiedforsustainabledevelopment. **PO7. Self -directed and lifelong learning:** each and everyaspectOfthemoduleteacher's lifelong learning.	**PS01.**To Provide through know Ledge about from primitive to Highlyevolved. **PSO2.**To makes thestudents aware ofapplicationsofdifferentplants invariousindustries. **PSO3.**Tohighlightthepotential ofthesestudiestobecomean entrepreneur, ToequipthestudentsWithskillsrelatedtolaboratoryas wellasfield based studies. Tomakethestudentsawareaboutconservationandsustainable useofplants. Tocreatefoundationforfurther StudiesinBotany. To addressthesocio-economical Challengesrelatedtoplantsciences. Tofacilitatestudentsfortaking Upandshapingasuccessful careerinBotany

Course Offered

Sr. No.	Course	Course Outcomes
01	**F.Y.B.Sc Botany I Semester-I BO.111 Plant life and Utilization I**	• Recognize the major group of non-vascular plants. • Understand the diversity among the non-vascular plants. • At ease with the general features, Classification, life cycle pattern in non-vascular plants.
	F.Y.B.Sc Botany II Semester-I BO.112Plant morphology and anatomy.	• Understand plant morphology. • Understand basic of floral morphology. • Understand how plant morphology relates to plant reproduction. • Understand significance of morphology modification of plant parts. • Identify various plant tissue and tissue system. • Understand the relation between form, structure and function of plant organs. • Differentiate between stem and root on the basis of internal organization.
	F.Y.B.Sc Botany Semester-I BO.113 Practical based on BO.111& BO.112	• Distinguish between different plant groups. • Interpreting plant morphology and anatomy.
	F.Y.B.Sc Botany II Semester II BO 121Plant life and Utilization II	• Distinguish the major groups of vascular plants. • Understand the diversity among the vascular plants. • At ease with the general features, Classification, life cycle pattern in vascular plants. • Known the economics and ecological importance of vascular plants.
	F.Y.B.Sc Botany II Semester II BO. 122 Principle plant Sciences.	• Understand various physiological processes in plants. • Understand structure and function of plant cell. • Developed strong fundaments basic for further molecular studies.
	F.Y.B.Sc Botany Practical BO.123 Practical based on BO 121& BO. 122	• Make a thorough background for a course on plant systematics.
02	**S.Y.B.Sc Botany I Semester-I BO.231 Taxonomy of Angiosperms and Plant Ecology**	• To Provide through knowledge about various highly Evolved plant groups and their community structure. • Understand the concept, types, development and function of various ecosystems and their communication.
	S.Y.B.Sc Botany Semester-I BO. 232 Plant Physiology	• To study the different metabolic process forSynthesis of food material. • Understand various physiological processes in plants.

	S.Y.B.Sc Botany Semester –I BO. 233. Practical based on BO.231 &BO. 232	• Use of modern tools to analyze the plants
	S.Y.B.Sc Botany Semester –I BO. 241 Plant Anatomy and Embryology.	• Internal structure will be observed for further studies as well as to study the developmental pattern of plant.
	S.Y.B.Sc Botany Semester –II BO 242.Plant Biotechnology	• The study of technique of multiplication and Non techniques.
	S.Y.B.Sc Botany Semester–II BO. 243. Practical based on BO.241 & BO. 242	• To equipped the students with skills related to laboratory as well as field based studies