SEM	NAME OF COURSE	COURSE CODE	COURSE OUTCOME
I	ANGIOSPERM ANATOMY, REPRODUCTIVE BOTANY AND PALI NOLOGY	BO1141	**Objectives:** **.** To develop skills for identification of microscopic structures **.** To distinguish various tissue systems and internal structure. **.** To acquire basic knowledge about embryo development and pollen grains.
II	METHODOLOGY AND PERSPECTIVES IN PLANT SCIENCES	BO1221	**Objectives:** . To familiarize the students with the fundamental characteristics of science and significance of scientific studies. . To apply scientific methods independently and familiarize instruments in biological labs. . To interpret scientific data using basic statistical methods. . To develop skills for microscopic specimen preparation.
III	MICROBIOLOGY, PHYCOLOGY, MYCOLOGY, LICHENOLOGY AND PLANT PATHOLOGY	BO1341	.To familiarise characteristic features of microbes and their significance. .To creates awareness about importance of microbes in environment. .To generates idea about types of algae,fungi,lichen and their economic as well as evolutionary significance.
IV	BRYOLOGY, PTE RIDOLOGY, GYMNOSPERMS AND PALAEO BOTANY	BO1441	. To familiarise the students characteristic features and evolutionary significance of Bryophytes, Pteridophytes and Gymnosperms. . To generate awareness about lifecycle of Bryophytes ,Pteridophytes and Gymnosperms. . To impart knowledge about fossil formation and its significance.

V	ANGIOSPERM MORPHOLOGY, SYSTEMATIC BOTANY, ECONOMIC BOTANY, ETHNO BOTANY AND PHARMACOGNOSY	BO1541	. To introduce importance of morphological characters in classification and plant identification. . To develop skill for herbarium preparation. . To acquire knowledge about economic,ethnobotanical significance and pharmacognosy of plants.
	ENVIRONMENTAL STUDIES AND PHYTOGEOGRAPHY	BO1542	. To create awareness about ecosystem and Natural resources. . To generate knowledge knowledge about importance of Biodiversity conservation. . To understand the need to mitigate pollution and Strategies for disaster management. . To impart knowledge about phytogeographical regions.
	CELL BIOLOGY, GENETICS AND EVOLUTIONARY BIOLOGY	BO1543	. To create awareness about cellular organelles. . To develop skills to identify cell stages and workout problems in classical genetics. . To introduce different theories of evolution.
VI	PLANT PHYSIOLOGY AND BIOCHEMISTRY	BO1641	. To understand physiology of absorption,photosynthesis and respiration. . To study physiological responses in growth, movements and flowering of plants. .To generates awareness about biomolecules. . To develop skill for testing of biomolecules.
	MOLECULAR BIOLOGY, GENERAL INFORMATICS &	BO1642	. To generate awareness of genetic material and gene

	BIOINFORMATICS		expression. . To get an overview of information technology. . To develop skill for using internet, biological databases and molecular visualization tools.
	HORTICULTURE, PLANT BREEDING & RESEARCH METHODOLOGY	BO1642	. To get an awareness in principles and methods of gardening . To understand plant breeding techniques and develop skill for hybridization. .To getknowledge about research methodology and preparation of projects.

OBJECTIVES OF THE PROGRAMME

- To impart knowledge of Science is the basic objective of education.
- To develop scientific attitude is the major objective to make the students open minded, critical, curious.
- To develop skill in practical work, experiments and laboratory materials and equipments along with the collection and interpretation of scientific data to contribute the science.
- To understand scientific terms, concepts, facts, phenomenon and their relationships.
- To make the students aware of natural resources and environment.
- To provide practical experience to the students as a part of the course to develop scientific ability to work in the field of research and other fields of their own interest and to make them fit for society.

- To provide practical experience to the students as a part of the course to develop scientific ability to work in the field of research and other fields of their own interest and to make them fit for society.
- The students are expected to acquire knowledge of plant and related subjects so as to understand natural phenomenon, manipulation of nature and environment in the benefit of human beings.
- To develop ability for the application of the acquired knowledge to improve agriculture and other related fields to make the country self reliant and sufficient.
- Understand and appreciate the role of biology in societal issues, such as the environment and biological resources, biodiversity, ethics and human health and diseases.
- To enrich the students with the latest developments in the field of Information technology, Biotechnology, Bioinformatics and other related fields of research and development
- To create enthusiasm to understand more about the beautiful planet Earth and to give awareness to the public the need to protect the planet from all kinds of exploitation.
- To keep the scientific temper which the student acquired from school level and to develop a research culture

PROGRAMME SPECIFIC OUTCOME	**OBJECTIVES OF THE PROGRAMME**
	To develop ability for the application of the acquired knowledge to improveagriculture and other related fields to make the country self-reliant andsufficient. Understand and appreciate the role of biology in societal issues, such as theenvironment and biological resources. biodiversitv, ethics and human healthand diseases. To enrich the students with the latest developments in the field of Informationtechnology. Biotechnology, Bioinformatics and other related fields of researchand development To create enthusiasm to understand more about the beautiful planet Earth andto give awareness to the public the need to protect the all kinds ofexploitation. To keep the scientific temper which the student acquired from school level andto develop a research culture.

SEM	NAME OF COURSE	COURSE CODE	COURSE OUTCOME
I	MICROTECHNIQUE,ANGIOSPERM ANATOMY AND REPRODUCTIVE BOTANY	BO 1131	**Objectives:** **.** To develop skills for preparation and identification of microscopic structures. **.** To distinguish various tissue systems and internal structure. **.** To acquire basic knowledge about embryo development and pollen grains.

Botany Complimentary

II	PHYCOLOGY,MYCOLOGY, LICHENOLOGY,BRYOLOGY,PTERIDOLOGY,GYMNOSPERMS AND PLANT PATHOLOGY	BO 1231	**Objectives:** . To familiarise characteristic features of microbes and their significance in environment. . To generates idea about types of algae, fungi, lichen and their economic as well as evolutionary significance. . To impart knowledge about disease in plants.
III	SYSTEMATIC BOTANY,ECONOMIC BOTANY,PLANT BREEDING	BO 1331	. To introduce importance of morphological characters in classification and plant identification. . To develop skill in identification of plants. . To acquire knowledge about economic,ethnobotanical significance and pharmacognosy of plants. . To get knowledge about plant breeding techniques.
IV	PLANT PHYSIOLOGY ,PLANT ECOLOGY,HORTICULTURE AND PLANT BIOTECHNOLOGY	BO 1431	. To understand physiology of absorption, photosynthesis and respiration. . To study ecosystem and ecological modifications. . To generate awareness about horticultural techniques. . To familiarise plant tissue culture techniques.

PROGRAMME OUT COME	**OBJECTIVES OF THE PROGRAMME**

	. To impart knowledge of Science is the basic objective of education. . To develop scientific attitude is the major objective to make the students openminded, critical, curious. . To develop skill in practical work, experiments and laboratory materials andequipmentsalong with the collection and interpretation of scientific data tocontribute the science. . To understand scientific terms, concepts, facts, phenomenon and theirrelationships. . To make the students aware of natural resources and environment. . To provide practical experience to the students as a part of the course todevelop scientific ability to work in the field of research and other fields oftheir own interest and to make them fit for society. . The students are expected to acquire knowledge of plant and related subjects soas to understand natural phenomenon, manipulation of nature andenvironment in the benefit of human beings. .To keep the scientific temper which the student acquired from college level and to develop a research culture.

PROGRAMME SPECIFIC OUTCOME	OBJECTIVES OF THE PROGRAMME
	To develop ability for the application of the acquired knowledge to improve agriculture and other related fields to make the country self-reliant and sufficient. Understand and appreciate the role of biology in societal issues, such as the environment and biological resources. Biodiversity, ethics and human health and diseases. To enrich the students with the latest developments in the field of Biotechnology and other related fields of research and development To create enthusiasm to understand more about the beautiful planet Earth and to give awareness to the public the need to protect the all kinds of exploitation.