Programme	Department of Botany
outcome	Students of the Botany program get a thorough <b>knowledge</b> of plant diversity in terms of their habitat, morphology, structure, function and environmental relationship. They understand plants from their phylogenetic perspective which gives a complete insight as to how complex forms of plant life dominate the land on the planet earth. They can apply the knowledge of basic science, life sciences and fundamental process of plants to study and analyse any plant form. The program also helps students to identify the taxonomic position of plants based on methods of nomenclature and classification in Botany They get a good practical knowledge about vegetative propagation and can identify pathological conditions in plants and differentiate them from mineral deficiencies. They understand plant physiology and this knowledge helps students in understanding the need for
	sustainable development Students also develop intellectual <b>skills</b> to understand genetically dominant and recessive characters. They can write reports on various industrial processes, prepare permanent anatomical slides etc. They develop good practical skill to stain bacteria, calculate available oxygen and chloride contents of water samples, plant identification using taxonomic keys, a range of phytochemical analysis of plant materials in the context of plant physiology and biochemistry. They are able to prepare excellent slides of cell division in plants. Students of the Botany program develop a profound <b>attitude</b> about ethical awareness, reasoning and mould themselves as lifelong learners of plant sciences.
Program Specific Outcome	The undergraduate BSc CBZ course in Chemistry, Botany and Zoology emphasizes on the fundamentals to enhance the overall academic knowledge in the core domains. Graduates can take up administrative jobs, teaching jobs and work in plant seeds and nursery organisations. A graduate in the course can take up master's degree in any of these three subjects as well as in applied branches of life sciences like Microbiology, Bio-technology and Genetics etc. Later, one can pursue a doctorate programme as well as post- doctoral programme in several research institutes. With these qualifications one can take up lecturership which is an academic job or work as a scientist. CBZ graduates can do B.Ed. or D.Ed. programme and work as school teachers. They can take up bank jobs and they can also compete in KPSC, IAS, IFS, IPS selections for serving in administrative posts in the government of Karnataka and India. They can also take up JAM and TIFR entrance exams. They also have promising opportunities to work as medical representatives in herbal, pharmaceutical, beverage, food preservation and cosmetic industry. Horticulture and

	agriculture MSc (Botar institutes li Doctoral de an equal institutes a	based organisations al ay) can also get employ ke CFTRI, DFRI, CCM egree and post-doctoral opportunity in CSIR s well as in universities	lso employ them. Post graduates in red as research assistants in premier B, NEERI and others. I degree holders in Botany also have C/ICAR/DBT sponsored research s abroad.
Course			
Outcomo	Theory	Course Name	Course Outeomo
Outcome	Paper Number	Course Maine	Course Outcome
	1	Divorcity of Non-	Students develop a foundation
		Diversity of Non-	Students develop a foundation
		Vascular Plants	and understanding
		Part 1 – Introduction	of microbiology, including its
		to Microbiology.	history classification systems
		Virusos Bactoria	and a study of systems
		Viruses, Dacteria,	and a study of cyanobacteria and
		Cyanobacteria and	phycology. This paper
		Phycology	introduces them to the field and
			helps them understand the basic
			characteristics
			of microorganisms
			of filleroorganisms.
	2	Diversity of Non-	Students develop an in-depth
		Vascular Plants	understanding about detailed
		Part - II Mycology,	internal structure of the plants.
		Plant Pathology	1
		Bryonbytes and	They leave about the life guales of
		Divopriyees and	
		Plant Anatomy	forms of fungi and bryophytes,
			their benefits in industrial usage
			as well as the diseases caused
			from the microorganism.
			This paper allows for a practical
			understanding and application
			of their study.
	3	Pteridophytes,	Students will be taught the
		Palaeobotany.	evolution of Pteridophytes from
		Environmental	the lowest form to its final stage
		Biology and	the lowest form to its inial stage,
		blology and	along with fossil study.
		rnytogeography	
			Students are able to critically
			examine the impact of ecological
			factors on ecosystems and the
			internation and the
			interaction processes. This
			understanding will help them
			develop targeted interventions to
			increase efficiency of these

			interaction processes for better
			ecosystem management.
	4	Gymnosperms and	Students understand the basic
		Embryology of	characteristics and development
		Angiosperms	of beginning stages of a plant,
			with an in depth understanding
			of each stage.
	5	Taxonomy and	Students are introduced to the
		Economic Botany	field of taxonomy, its brief
			history and the classification
			systems prevalent in the field.
			During the course of this paper,
			they develop hands-on
			experience as they learn to make
			a herbarium.
			They develop proficiency in
			identifying different parts of a
			plant and classifying them based
			on pre-determined characters
	6	Molecular Biology,	Students will be able to use their
		Genetic	knowledge of the field so far and
		Engineering,	explain practical applications in
		Biotechnology and	the field of biotechnology and
		Plant Physiology	genetic engineering.
			The paper introduces them to the
			history of the field and current
			innovations as well, allowing for
			ideation of possible
			developments in the future.
	7	Cytology, Genetics,	Students learn about cell and
		<b>Evolution and Plant</b>	chromosomal biology,
		Breeding	Mendelian principles, methods
			of gene mapping, the basics of
			evolution and plant breeding
			techniques.
	8	Plant Physiology -	Students will be proficient in
		III	their knowledge of enzymes -
			right from its nomenclature to
			actions and factors that both
			encourage and inhibit it. They
			also develop an in depth
			understanding of the process of
			photosynthesis, photorespiration
			and the requirement of mineral
			nutrition for plant growth

Practical	Course Name	Course Outcome
Paper		
Number		
1	Practical 1 -	Students learn about different
	Diversity of Non	microscopic instruments and
	vascular plants.	sterilization. This lays the
	Introduction to	foundation and basics for lab
	Microbiology,	research work. They also learn
	Viruses, Bacteria,	about the characteristics of
	Cyanobacteria and	bacteria, plant viral diseases,
	Phycology	different types of algae
2	Practical:2 Diversity	Students learn to identify and
-	of Non-Vascular	classify fungi through practical
	Plants	evosure They also study
	Part - II Mycology.	Bryonbytes Lichens and
	Plant Pathology	Mucorrhizo
	Bryophytes and Plant	Wiycominza
	Anatomy	
3	Practical:3	Students undertake
-	Pteridophytes,	microscopic observation and
	Palaeobotany,	identification of pteridophytes
	Environmental	and gymnosperms. They also
	Biology and	observe crop plants infected by
	Phytogeography	the pathogens included in the
	Angiosperms	syllabus and study of
	0	symptoms, causative agents
		and etiology.
		Students are also trained
		in micro preparation and
		preparing slides.
		They are also aware of soil
		types, structure and analysis.
4	Practical:4	Students study materials and
	Gymnosperms and	slides of gymnosperms,
	Embryology of	microsporogenesis and male
	Angiosperms	gametophyte, types of
	-	placentation, mounting of
		pollen grain, endosperm.
5	Practical:5 Taxonomy	Students learn the morphology
	and Economic	of angiosperms, types of
	Botany	classifications and learn about
	-	Botanical Survey of India (BSI).
		Those also apply their
		knowledge of herbarium

		They also learn the taxonomic
		avidences from molecular
		evidences from molecular,
		numerical and chemicals. They
		also briefly study the economic
		products with special reference
		to the botanical name, family,
		morphology of useful part and
		the uses
6	Practical:6 Molecular	Students learn Qualitative Test
	Biology, Genetic	for Starch, Protein, Reducing
	Engineering,	Sugars and Lipids. They also
	Biotechnology and	learn to determine Osmotic
	Plant Physiology	potential of the cell sap by
		Plasmolytic method and
		Stomatal Index. They study
		Osmosis & Transpiration
		Experiments and Phloem
		Transport by Ringing
		Experiment
		They also aware of structures of
		Stomata in Hydrophytes
		Mosophytos and Yorophytos
		They also gain skill on working
		principles of pH meter,
-		colorimeter and centrifuge.
7	Fractical:/ Cytology,	Students learn to prepare
7	Genetics, Evolution	cytological stains - Aceto
	Genetics, Evolution and Plant Breeding	cytological stains - Aceto carmine &Aceto orcein. They
7	Genetics, Evolution and Plant Breeding	cytological stains - Aceto carmine &Aceto orcein. They also well versed in the process
7	Genetics, Evolution and Plant Breeding	cytological stains - Aceto carmine &Aceto orcein. They also well versed in the process of mitosis from <i>Allium</i> root tips
7	Genetics, Evolution and Plant Breeding	cytological stains - Aceto carmine &Aceto orcein. They also well versed in the process of mitosis from <i>Allium</i> root tips and meiosis from <i>Allium</i> flower
7	Genetics, Evolution and Plant Breeding	cytological stains - Aceto carmine &Aceto orcein. They also well versed in the process of mitosis from <i>Allium</i> root tips and meiosis from <i>Allium</i> flower buds. They also learn about
7	Genetics, Evolution and Plant Breeding	students learn to prepare cytological stains - Aceto carmine &Aceto orcein. They also well versed in the process of mitosis from <i>Allium</i> root tips and meiosis from <i>Allium</i> flower buds. They also learn about Karyotype and Idiogram:
7	Genetics, Evolution and Plant Breeding	students learn to prepare cytological stains - Aceto carmine &Aceto orcein. They also well versed in the process of mitosis from <i>Allium</i> root tips and meiosis from <i>Allium</i> flower buds. They also learn about Karyotype and Idiogram: Camera Lucida drawing,
7	Genetics, Evolution and Plant Breeding	students learn to prepare cytological stains - Aceto carmine &Aceto orcein. They also well versed in the process of mitosis from <i>Allium</i> root tips and meiosis from <i>Allium</i> flower buds. They also learn about Karyotype and Idiogram: Camera Lucida drawing, emasculation and bagging of
	Genetics, Evolution and Plant Breeding	students learn to prepare cytological stains - Aceto carmine &Aceto orcein. They also well versed in the process of mitosis from <i>Allium</i> root tips and meiosis from <i>Allium</i> flower buds. They also learn about Karyotype and Idiogram: Camera Lucida drawing, emasculation and bagging of the flower buds of available
	Genetics, Evolution and Plant Breeding	Students learn to prepare cytological stains - Aceto carmine &Aceto orcein. They also well versed in the process of mitosis from <i>Allium</i> root tips and meiosis from <i>Allium</i> flower buds. They also learn about Karyotype and Idiogram: Camera Lucida drawing, emasculation and bagging of the flower buds of available species.
8	Practical:/ Cytology, Genetics, Evolution and Plant Breeding Practical:8 Plant	Students learn to prepare cytological stains - Aceto carmine &Aceto orcein. They also well versed in the process of mitosis from <i>Allium</i> root tips and meiosis from <i>Allium</i> flower buds. They also learn about Karyotype and Idiogram: Camera Lucida drawing, emasculation and bagging of the flower buds of available species. Students learn to separate
8	Practical:7 Cytology, Genetics, Evolution and Plant Breeding Practical:8 Plant Physiology – III	Students learn to prepare cytological stains - Aceto carmine &Aceto orcein. They also well versed in the process of mitosis from <i>Allium</i> root tips and meiosis from <i>Allium</i> flower buds. They also learn about Karyotype and Idiogram: Camera Lucida drawing, emasculation and bagging of the flower buds of available species. Students learn to separate photosynthetic material
8	Practical:/ Cytology, Genetics, Evolution and Plant Breeding Practical:8 Plant Physiology – III	Students learn to prepare cytological stains - Aceto carmine &Aceto orcein. They also well versed in the process of mitosis from <i>Allium</i> root tips and meiosis from <i>Allium</i> flower buds. They also learn about Karyotype and Idiogram: Camera Lucida drawing, emasculation and bagging of the flower buds of available species. Students learn to separate photosynthetic material pigments by paper
8	Practical:/ Cytology, Genetics, Evolution and Plant Breeding Practical:8 Plant Physiology – III	Students learn to prepare cytological stains - Aceto carmine &Aceto orcein. They also well versed in the process of mitosis from <i>Allium</i> root tips and meiosis from <i>Allium</i> flower buds. They also learn about Karyotype and Idiogram: Camera Lucida drawing, emasculation and bagging of the flower buds of available species. Students learn to separate photosynthetic material pigments by paper chromatography and
8	Practical:/ Cytology, Genetics, Evolution and Plant Breeding Practical:8 Plant Physiology – III	Students learn to prepare cytological stains - Aceto carmine &Aceto orcein. They also well versed in the process of mitosis from <i>Allium</i> root tips and meiosis from <i>Allium</i> flower buds. They also learn about Karyotype and Idiogram: Camera Lucida drawing, emasculation and bagging of the flower buds of available species. Students learn to separate photosynthetic material pigments by paper chromatography and measurement of Rf Values
8	Practical:7 Cytology, Genetics, Evolution and Plant Breeding Practical:8 Plant Physiology – III	Students learn to prepare cytological stains - Aceto carmine &Aceto orcein. They also well versed in the process of mitosis from <i>Allium</i> root tips and meiosis from <i>Allium</i> flower buds. They also learn about Karyotype and Idiogram: Camera Lucida drawing, emasculation and bagging of the flower buds of available species. Students learn to separate photosynthetic material pigments by paper chromatography and measurement of Rf Values. They also able to determine the
8	Practical:7 Cytology, Genetics, Evolution and Plant Breeding Practical:8 Plant Physiology – III	Students learn to prepare cytological stains - Aceto carmine &Aceto orcein. They also well versed in the process of mitosis from <i>Allium</i> root tips and meiosis from <i>Allium</i> flower buds. They also learn about Karyotype and Idiogram: Camera Lucida drawing, emasculation and bagging of the flower buds of available species. Students learn to separate photosynthetic material pigments by paper chromatography and measurement of Rf Values. They also able to determine the rate of photosynthesis at
8	Practical:7 Cytology, Genetics, Evolution and Plant Breeding Practical:8 Plant Physiology – III	Students learn to prepare cytological stains - Aceto carmine &Aceto orcein. They also well versed in the process of mitosis from <i>Allium</i> root tips and meiosis from <i>Allium</i> flower buds. They also learn about Karyotype and Idiogram: Camera Lucida drawing, emasculation and bagging of the flower buds of available species. Students learn to separate photosynthetic material pigments by paper chromatography and measurement of Rf Values. They also able to determine the rate of photosynthesis at different wavelengths of light
8	Practical:/ Cytology, Genetics, Evolution and Plant Breeding Practical:8 Plant Physiology – III	Students learn to prepare cytological stains - Aceto carmine &Aceto orcein. They also well versed in the process of mitosis from <i>Allium</i> root tips and meiosis from <i>Allium</i> flower buds. They also learn about Karyotype and Idiogram: Camera Lucida drawing, emasculation and bagging of the flower buds of available species. Students learn to separate photosynthetic material pigments by paper chromatography and measurement of Rf Values. They also able to determine the rate of photosynthesis at different wavelengths of light and at at different

	concentrations of CO2. They also able to estimate Ascorbic acid content in a plant sample and determine the rate of RQ of carbohydrates, fats and proteins. They also study of geotropism, phototropism and hydrotropism and respiratory processes during photosynthesis.
Learning	The course is aimed at providing basics of Botany Students are
Outcome	imparted with knowledge about classical botany to enable students
	to get exposed to various branches of botany and Application
	oriented learning is also encouraged.
	Paper 1 / Course 1
	INTRODUCTION TO MICROBIOLOGY VIRUSES BACTERIA
	CYANOBACTERIA AND PHYCOLOGY 52 hrs
	1. Learn to understand the concept of microbial nutrition,
	particularly of bacteria and relate that to the commercially viable
	processes like fermentation, compost formation etc.
	2. Learn to understand human friendly viruses, bacteria and
	3. Learn appreciating the diversity of algae in the surroundings
	and their economic importance
	*This leads to learning of basics to work as phycologist
	/microbiologist in Industries related to diary brewery Agro - based
	industries, biofuels etc apart from research laboratories.
	Paper2 /Course 2. DIVERSITY OF NON-VASCULAR PLANTS -
	PART - II MYCOLOGY, PLANT PATHOLOGY.
	BRYOPHYTES AND PLANT ANATOMY52 hrs
	1. Learn to Identify true fungi and understand the concept of
	plant pathology and its application in managing fungal
	diseases in plants.
	2. Learn to identify bryophytes understand plant evolution and
	3 {earn fundamentals of plant anatomy
	4. examine the internal anatomy of plant organs and analyse the
	composition of different parts of plants and their relationships
	to functions performed.

	This leads to learning basics to work as plant pathologist, field
r	elated to bioremediation, biopesticides biological manures etc. Wood
S	science,
F	Paper 3/Course 3:
F	PTERIDOPHYTES, PALEOBOTANY,
F	ENVIRONMENTAL BIOLOGY AND
F	<b>PHYTOGEOGRAPHY</b> 52 hrs
	1. learn the core concepts of ecosystem and, formation, composition and types of soils
	<ol> <li>learn the types and importance of phytogeographical division</li> </ol>
	of India
	3. Understand the energy flow in the ecosystem and the adaptation of plants in relation to light, temperature, water,
	wind and fire
	4. Learn the concept and importance of natural resources and sustainable utilization of land, water, forest and energy
	resources.
	5. Learn to identify Pteridophytes and their importance.
^	This leads to learning basics of fossil study and evolution of earth
a	and, to work in the field of conventional energy sources, environment,
e	cology, forest produce and related industry.
1	Caper 4/ course 4
	GYMNOSPERMS AND EMBRYOLOGY OF
F	ANGIOSPERMIS 52 nrs
	1. Learn the concept of reproductive biology of plants.
	2. Learn the concept behind fruit formation and seed setting which
	is the basis of plant breeding.
	3. Learn the method and importance of tissue culture technique
	which has wide application in the improvement and
	inter the appreciation in the improvement and
	conservation of plants.
	<ul><li>conservation of plants.</li><li>4. Learn to identify Gymnosperms and their importance</li></ul>
	<ul><li>conservation of plants.</li><li>4. Learn to identify Gymnosperms and their importance</li><li>5. Learn the ability of collective work in group and research</li></ul>
	<ul> <li>4. Learn to identify Gymnosperms and their improvement and research methodology through compulsory miniprojector work.</li> </ul>
T	<ul> <li>conservation of plants.</li> <li>Learn to identify Gymnosperms and their importance</li> <li>Learn the ability of collective work in group and research methodology through compulsory miniprojector work.</li> <li>This leads to learning basics of Plant reproduction to work in the field</li> </ul>
fT c	<ul> <li>4. Learn to identify Gymnosperms and their improvement and research methodology through compulsory miniprojector work.</li> <li>This leads to learning basics of Plant reproduction to work in the field of tissue culture, pomology, plant breeding.</li> </ul>
fT c	<ul> <li>4. Learn to identify Gymnosperms and their improvement and conservation of plants.</li> <li>4. Learn to identify Gymnosperms and their importance</li> <li>5. Learn the ability of collective work in group and research methodology through compulsory miniprojector work.</li> <li>This leads to learning basics of Plant reproduction to work in the field of tissue culture, pomology, plant breeding.</li> </ul>
۲ c F	<ul> <li>conservation of plants.</li> <li>Learn to identify Gymnosperms and their importance</li> <li>Learn the ability of collective work in group and research methodology through compulsory miniprojector work.</li> <li>This leads to learning basics of Plant reproduction to work in the field of tissue culture, pomology, plant breeding.</li> </ul>
f T F	<ul> <li>4. Learn to identify Gymnosperms and their improvement with the conservation of plants.</li> <li>4. Learn to identify Gymnosperms and their importance</li> <li>5. Learn the ability of collective work in group and research methodology through compulsory miniprojector work.</li> <li>This leads to learning basics of Plant reproduction to work in the field of tissue culture, pomology, plant breeding.</li> <li>Paper 5/Course 5</li> <li>TAXONOMY AND ECONOMIC BOTANY 39 hrs</li> </ul>
et T T T T	<ul> <li>4. Learn to identify Gymnosperms and their improvement and conservation of plants.</li> <li>4. Learn to identify Gymnosperms and their importance</li> <li>5. Learn the ability of collective work in group and research methodology through compulsory miniprojector work.</li> <li>This leads to learning basics of Plant reproduction to work in the field of tissue culture, pomology, plant breeding.</li> <li>Paper 5/Course 5 <ul> <li>TAXONOMY AND ECONOMIC BOTANY 39 hrs</li> </ul> </li> <li>1. Learn the Plant systematics and understand morphological</li> </ul>
f T C F	<ul> <li>A. Learn to identify Gymnosperms and their improvement and conservation of plants.</li> <li>4. Learn to identify Gymnosperms and their importance</li> <li>5. Learn the ability of collective work in group and research methodology through compulsory miniprojector work.</li> <li>This leads to learning basics of Plant reproduction to work in the field of tissue culture, pomology, plant breeding.</li> <li>Paper 5/Course 5         <ul> <li>TAXONOMY AND ECONOMIC BOTANY 39 hrs</li> <li>1. Learn the Plant systematics and understand morphological diversity of higher plants.</li> </ul> </li> </ul>
fT C F	<ul> <li>A. Learn to identify Gymnosperms and their improvement and conservation of plants.</li> <li>4. Learn to identify Gymnosperms and their importance</li> <li>5. Learn the ability of collective work in group and research methodology through compulsory miniprojector work.</li> <li>This leads to learning basics of Plant reproduction to work in the field of tissue culture, pomology, plant breeding.</li> <li>Paper 5/Course 5         <ul> <li>TAXONOMY AND ECONOMIC BOTANY 39 hrs</li> <li>1. Learn the Plant systematics and understand morphological diversity of higher plants.</li> <li>2. Learn to identify Angiosperm families and tools for</li> </ul> </li> </ul>
fT c F	<ul> <li>A. Learn to identify Gymnosperms and their improvement and conservation of plants.</li> <li>4. Learn to identify Gymnosperms and their importance</li> <li>5. Learn the ability of collective work in group and research methodology through compulsory miniprojector work.</li> <li>A. His leads to learning basics of Plant reproduction to work in the field of tissue culture, pomology, plant breeding.</li> <li>Paper 5/Course 5         <ul> <li>TAXONOMY AND ECONOMIC BOTANY 39 hrs</li> <li>1. Learn the Plant systematics and understand morphological diversity of higher plants.</li> <li>2. Learn to identify Angiosperm families and tools for identification.</li> </ul> </li> </ul>
fT C F	<ul> <li>A. Learn to identify Gymnosperms and their improvement and conservation of plants.</li> <li>4. Learn to identify Gymnosperms and their importance</li> <li>5. Learn the ability of collective work in group and research methodology through compulsory miniprojector work.</li> <li>This leads to learning basics of Plant reproduction to work in the field of tissue culture, pomology, plant breeding.</li> <li>Paper 5/Course 5 <ul> <li>TAXONOMY AND ECONOMIC BOTANY 39 hrs</li> </ul> </li> <li>1. Learn the Plant systematics and understand morphological diversity of higher plants.</li> <li>2. Learn to identify Angiosperm families and tools for identification.</li> <li>3. Learn the concept and importance of herbarium and botanical</li> </ul>

4 Get an exposure to Latin words and names of plants and the
rules of ICBN for botanical nomonclature
5 Learn to appreciate the uset and tough work involved in the
5. Learn to appreciate the vast and tough work involved in the
documentation of flora of different regions of the world and
classification through the study of types of plant classification.
6. Learn the plant treasure as source of food, medicine, oil, fibres
etc.
*This leads to acquiring knowledge of plant morphology which is the
basic need for on field plant identification. It helps to be a taxonomist
who is in demand in all plant related industries and worldwide
herbaria, botanical gardens etc.
Paper 6/Course 6 I:
MOLECULAR BIOLOGY GENETIC ENGINEERING
BIOTECHNOLOGY AND PLANT PHYSIOLOGY
20 hrs
1 Logun importance of water in various physiclogical processor
1. Learn importance of water in various physiological processes
or plants.
2. Understand the concept of ascent of sap, transpiration and
learn to appreciate the engineering in these processes and the
strategy exhibited with respect to facing drought condition.
*This provides basic knowledge to work in biotechnology related
industries and agriculture research laboratories.
Paper7/Course 7 CYTOLOGY, GENETICS, EVOLUTION AND
PLANT BREEDING
1. Learn the genetic basis of life and laws of inheritance, effect of
chromosomal abnormalities to genetic disorders
2. Learns genetic interactions at population and evolutionary
levels., effect of mutations on gene functions leading to
understanding of evolution process.
3. Learn the concept of central dogma of life and steps in
transcription, protein synthesis and protein modification
*This leads to provide basics to work in the field of plant breeding and
other agriculture and horticulture related field
Paper 8/ Course 8 PLANI PHISIOLOGI -
1. Learn to understand the importance of plants for the existence
of life on earth through the study of Photosynthesis and
respiration
2. Assess dormancy and germination and flowering in plants
3. Analyse the structure and properties of various enzymes

	*This leads to understanding of how energy is fixed by the plants to be available for all living system. It helps in the field of environment, agriculture and horticulture related industries.
Course Objectives	Graduates of Botany are expected to know basics of Botany, the traditional or classical botany, with an exposure to modern and applied aspects being introduced from time to time. The course is aimed at training them in the subject to prepare them take up higher studies and research as well as develop communicative skills, language, develop clarity in understanding and thought process, leadership, independent and group working, community and social responsibility. To develop these skills during the course the students are encouraged to take up self-study, utilise library, peer study, seminars and assignments, group discussions, individual and group projects and so on. Both traditional chalk &talk method and ICT enabled methods are used in class room teaching. Botany is practical oriented subject and to meet this regular laboratory practical study is adopted along with field trips and visits to research institutes and industries