Program Outcomes (Pos)
Program Specific Outcomes (PSOs)
& Course Outcomes
For

BOTANY

(2021– 2022)

DEPARTMENT OF BOTANY
THE H. N. S. B. LTD. SCIENCE COLLEGE
N.H. – 48, MOTIPURA,
HIMATNAGAR (S. K.)
GUJARAT (383001)

Program Outcumes(Pos)

PO-1	Critical Thinking: To mould a responsible citizen who is aware of most basic domain-independent knowledge, including critical thinking and communication.
PO-2	Social interaction: Elicit views of the others mediate disagreement and help reach conclusions in group settings.
PO-3	Environment and sustainability: Understand the issues of environmental contexts and Sustainable development.
PO-4	Ethics: Students will demonstrate and understanding of major concepts in all disciplines of Botany.

Program Specific Outcomes (PSOs)

PSO-1	Understand the nature and basic concepts of cell Biology, Biochemistry, Taxonomy, Anatomy, Ecology, cryptogams, Genetics Ethno botany and plant Physiology.
PSO-2	Analyze the relationships among animals, plants and Microbes
PSO-3	Perform Procedures as per Laboratory standered in the areas of Biochemistry, Taxonomy, Anatomy, Ecology, cryptogams, Genetics Ethno botany and plant Physiology.

Course Outcomes (COs)

Course	Outcome
CC-BOT-401 **PC-BOT-401**	Develop an understanding of concepts and fundamentals of plant anatomy examine the internal anatomy of plant systems and organs. Develop critical understanding on the evolution of concept of organization of shoot and root apex. Analyze the composition of different parts of plants and their relationships.Evalute the adaptive and protective systems of plants.
CC-BOT-402 **PC-BOT-402**	Understand core concepts of Economic Botany and relate with environment, populations, communities and ecosystems. Develop critical understanding on the evolution of concept of organization of apex new crops, varieties, importance of germplasm diversity, issues related to access and ownership. Develop a basic knowledge of taxonomic diversity and important families of useful plants. Appreciate the diversity of plants and the plant products in human use.
ES-BOT-401 **Plant Breeding**	Develop conceptual understanding of plant genetic resources, plant breeding, gene bank and gene pool. Familiarize with genetic basis of heterosis. Classify sexual and Asexual modes of reproduction. Explain monogenic and polygenic inheritance.