

Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Botany

B.Sc. II Botany (2024-25)

Content with Cross-cutting Issues

S r. N o.	Name of the Course	Course Code	Year of Introductio n	Professional Ethics	Gender	Human Values	Environment and Sustainability	Sustainable Development Goals	NEP - 2020 (truth (satya), righteous conduct (dharma), peace (shanti), love (prem), nonviolence (ahimsa), scientific temper, citizenship values, life- skills; lessons in seva/service and participation in community service education)
B.Sc. II Botany (Newly Introduced between 2024-25)									
1.	Diversity of Cryptogams	DSC03BOT31	2024-25				Sustainability		
2.	Diversity of Phanerogams	DSC03BOT32	2024-25				Sustainability		



3.	Diversity in non-flowering plant	MIN03BOT31	2024-25				Sustainability		
4.	Plant Taxonomy	MIN03BOT32	2024-25				Sustainability		
5.	Resource Botany	DSC03BOT41	2024-25				Environment and Sustainability		
6.	Industrial Botany	DSC03BOT42	2024-25				Environment and Sustainability		

B. T. Dangat
Dr. B. T. Dangat

HEAD
DEPARTMENT OF BOTANY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



R. R. Kumbhar
Dr. R. R. Kumbhar

PRINCIPAL
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Botany

B.Sc. II Botany (2024-25)

Curricular Relevance – Course Outcomes with Relevance to Local, Regional, Global needs

Sr. No.	Name of the Course	Course Code	Year of Introduction	Cos with relevance to local/regional needs	Cos with relevance to national needs	Cos with relevance to global needs
B.Sc. II Botany (Newly Introduced between 2024-25)						
Semester - III & IV						
1	Diversity of Cryptogams	DSC03BOT31	2024-25	CO2: Enhance consciousness about the diversity seen in lower plant groups.		
2	Diversity of Phanerogams	DSC03BOT32	2024-25	CO3: Identify various plant forms according to their distinct groups using distinguishing characteristics along with examples.	CO3: Identify various plant forms according to their distinct groups using distinguishing characteristics along with examples.	
3	Diversity in non flowering plants.	MIN03BOT31	2024-25	CO2: Enhance consciousness about the diversity seen in lower plant groups.		
4	Plant Taxonomy	MIN03BOT32	2024-25	CO1: Expose the student to the basic principles and methods of plant taxonomy.		CO2: Recognize the different facts of plant classification and nomenclature.



5	Resource Botany	DSC03BOT41	2024-25	CO1: Identification, extraction, and use of plants with economic significance.	CO3: Update the students about plant dependent industries.	CO3: Update the students about plant dependent industries.
6	Industrial Botany	DSC03BOT42	2024-25	CO1: Acquire knowledge of different plant species and the components that are employed in industry.	CO4: Highlight the potential of these studies to become an entrepreneur.	
7	Diversity of flowering plant	MIN03BOT41	2024-25	CO3: Convey concepts on lower phanerogams.		
8	Commercial Botany	MIN03BOT42	2024-25	CO1: Know about the commercial products produced from algae, fungi, bryophytes and pteridophytes.	CO4: Understand the role of higher plants in our society and how they can be used for more applied aspects.	CO3: Gain knowledge about developing commercial enterprise of microbial products.



Dangat
Dr. B. T. Dangat
HEAD
DEPARTMENT OF BOTANY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Botany

B.Sc. II Botany 2024-25

Content with Focus on Employability, Entrepreneurship, Skill Development

Sr. No.	Name of the Course	Course Code	Year of Introduction	Content with focus on employability	Content with focus on entrepreneurship	Content with focus on skill development
B.Sc. II Botany (Newly Introduced between 2024-25)						
1	Diversity of Cryptogams	DSC03BOT31	2024-25	Apply basic knowledge of cryptogams for production of industrial product.		Classify the cryptogams using classification system.
2	Diversity of Phanerogams	DSC03BOT32	2024-25	Apply their knowledge to identify the plant with different aspects.		Apply their knowledge to identify the different parts of plant. Apply their knowledge for preparation of herbarium.
3	Diversity in non-flowering plant	MIN03BOT31	2024-25	Apply basic knowledge for production of commercial product.		Identify and classify the non flowering plant.
4	Plant Taxonomy	MIN03BOT32	2024-25			Apply their knowledge for identification, classification and nomenclature of plant.



5	Resource Botany	DSC03BOT41	2024-25	Apply the basic knowledge to harvest different forest product. Apply the knowledge for obtaining different chemicals from plants.	Start the different industry on the basis of botanical resources.	
6	Industrial Botany	DSC03BOT42	2024-25	Cultivation and production of commercial wood for industrial manufacturing of plywood.	Produce plywood and seeds at commercial level.	Apply the basic knowledge for seed production.
7	Diversity of flowering plant.	MIN03BOT41	2024-25			Apply the basic knowledge for study different habit and habitat of plants.
8	Commercial Botany	MIN03BOT42	2024-25	Production of different products from potential organisms.	Different products are produced by potential organisms in industry.	Apply their knowledge to identify and multiply the potential organisms.



Dangat
Dr. B. T. Dangat
HEAD
DEPARTMENT OF BOTANY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)