

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Botany

B.Sc. III Botany (2025-26) NEP Phase - I

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. III Botany (Newly Introduced between 2025-26)						
Semester - V & VI						
1.	Mycology and Plant Pathology	DSC03BOT51	2025-26	CO3: Study of different fungal diseases.	CO3: Study of different fungal diseases.	CO4: Understand virus, viroid, mycoplasma and lichen.
2.	Plant Ecology	DSC03BOT52	2025-26	CO1: Understand the basic concept of ecology.	CO2: Know the basic components of ecosystem.	
3.	Plant Anatomy	DSC03BOT53	2025-26	CO1: Understand the organization of higher plant body. CO4: Study of different types of plant adaptations.	CO1: Understand the organization of higher plant body. CO4: Study of different types of plant adaptations.	
4.	Plant Physiology and Metabolism OR Agri Based Microenterprises	DSE03BOT51	2025-26	CO3: Know the role of minerals in plant growth.	CO3: Know the role of minerals in plant growth.	



5.	Plant Pharmaceutical Industry	MIN03BOT51	2025-26	CO1: Learn the basic concept and uses of indigenous traditional drugs.	CO1: Learn the basic concept and uses of indigenous traditional drugs.	CO4: Gain knowledge about developing commercial enterprise of medicinal plants.
6.	Fundamentals of Plant Taxonomy	DSC03BOT61	2025-26	CO4: The characters of economically important families of angiosperms.	CO4: The characters of economically important families of angiosperms .	
7.	Cytology and Genetics	DSC03BOT62	2025-26	CO1: Know the details of cell and its structure.		
8.	Molecular Biology and Biotechnology	DSC03BOT63	2025-26	CO4: Gain the knowledge of genetic engineering.	CO4: Gain the knowledge of genetic engineering.	CO4: Gain the knowledge of genetic engineering.
9.	Research Technique in Botany OR Herbal Technology	DSE03BOT61	2025-26	CO2: Know the different research institutes related to botany.	CO2: Know the different research institutes related to botany.	
10.	General Agriculture	MIN03BOT61	2025-26	CO3: Know modern systems of farming of agricultural crops.	CO3: Know modern systems of farming of agricultural crops.	



[Signature]
Dr. B. T. Dangat
CHAIRMAN
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Content with Cross-cutting Issues

Sr. No.	Name of the Course	Course Code	Year of Introduction	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)
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1.	Mycology and Plant Pathology	DSC03BOT51	2025-26				Environment and Sustainability		



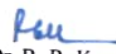
2.	Plant Ecology	DSC03BOT52	2025-26				Environment and Sustainability		
3.	Plant Anatomy	DSC03BOT53	2025-26				Environment and Sustainability		
4.	Plant Physiology and Metabolism OR Agri Based Microenterprises	DSE03BOT51	2025-26				Sustainability		
5.	Plant Pharmaceutical Industry	MIN03BOT51	2025-26				Environment and Sustainability		
6.	Fundamentals of Plant Taxonomy	DSC03BOT61	2025-26				IUCN status RET		
7.	Cytology and Genetics	DSC03BOT62	2025-26				Sustainability		
8.	Molecular Biology and Biotechnology	DSC03BOT63	2025-26				Sustainability		



9.	Research Technique in Botany - OR Herbal Technology	DSE03BOT61	2025-26				Environment and Sustainability		
10.	General Agriculture	MIN03BOT61	2025-26				Environment and Sustainability		


 Dr. B. T. Dangat
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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. III Botany (Newly Introduced between 2025-26)						
1	Mycology and Plant Pathology	DSC03BOT51	2025-26	Apply basic knowledge for production of biopesticides.		Develop basic skills to study plant diseases in details.
2	Plant Ecology	DSC03BOT52	2025-26			Apply their knowledge to identify the plant in different environment.
3	Plant Anatomy	DSC03BOT53	2025-26			Apply their knowledge to study the internal structure of plants.
4	Plant Physiology and Metabolism OR Agri Based Microenterprises	DSE03BOT51	2025-26	Apply basic knowledge for production of different products for human welfare.		Apply their knowledge for fruit production in plants.
5	Plant Pharmaceutical Industry	MIN03BOT51	2025-26	Apply basic knowledge for production of		Apply their knowledge



				different plant pharmaceutical products.		for study of medicinal plants.
6	Fundamentals of Plant Taxonomy	DSC03BOT61	2025-26	Apply basic knowledge for identification of plants.		Apply their knowledge for identification of plants.
7	Cytology and Genetics	DSC03BOT62	2025-26			Apply their knowledge for identification of plant cell.
8	Molecular Biology and Biotechnology	DSC03BOT63	2025-26			Apply their knowledge for analysis of plant.
9	Research Technique in Botany OR Herbal Technology	DSE03BOT61	2025-26	Apply basic knowledge in analysis of plants.		
10	General Agriculture	MIN03BOT61	2025-26	Apply basic knowledge to establish organic farming.		




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