

Department of Botany

Syllabus Completion Report

2020-2021

Annual Teaching Plan (2020-2021)

Department of Botany



Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR. (AUTONOMOUS)


Department of Botany

**Syllabus Completion Report
(2020-2021)**

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Head
Department of Botany
Head
Department of Botany
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE, KOLHAPUR.

STATEMENT OF SYLLABUS COVERED

Year : 2020-2021

Term : Ist / IInd

Name of the Teacher : Prof. S. P. Salokhe

Department : Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc. III	Botany	Sem. V Unit 3: Study of plant Diseases. Unit 4: Paleobotany General account of fossil. Geological time scale	All syllabus covered		
		Sem. VI :- Unit 2: Economic Botany-I Cereals, legumes, vegetables Spices	All syllabus covered		
		Unit 3: Economic Botany-II Beverages, fibre yielding plants, oil yielding plants Dye			
B.Sc. III	Practical - II		All practicals covered		



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Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B. Sc. II	Botany	Sem. III Unit 3 : Primary & Secondary structure of plant body, primary str. of monocot & dicot root, stem, & leaf. Anomalous secondary growth in Bignonia & Dracaena stem, Periderm & lenticels.	All syllabus covered	—	


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STATEMENT OF SYLLABUS COVERED

Year : 2020 - 2021

Term : Ist / IInd

Name of the Teacher : Dr. Abhijeet Rajaram Kasarkar

Department : Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
Bsc I	Botany	Unit 1 - Angiosperm Taxonomy	Unit 1 - Angiosperm Taxonomy	-	-
Bsc-II	Botany	Unit 4 - Seed Dormancy and Germination	Unit 4 - Seed Dormancy and Germination	-	-
		Unit 2 - 6 Nitrogen Metabolism (2a, 2b, 2c)	Unit 2 - Nitrogen Metabolism (2a, 2b, 2c)	-	-
Bsc - II	Plant Protection	Unit 3 Methods of Plant Protection - II	Unit 3 - Methods of Plant Protection - II	-	-
		Unit 4 - Non insect Pest (4c, 4d)	Unit 4 - Non Insect Pest (4c, 4d)	-	-
	Practical	Study of Crops Study of Weeds	Study of Crops Study of Weeds	-	-



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STATEMENT OF SYLLABUS COVERED

Year: 2020-2021

Term: Ist / IInd

Name of the Teacher: Dr. Jyoti Mahadtv Gosule


Department: Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B. Sc. III	Botany	DSE 1007E2 Sec-I Unit-II Lipid metabolism & fatty acid metabolism Practical - I	Lipid metabolism & fatty acid metabolism All practicals covered	- - -	- - -
B. Sc. II	Botany	Practical - II	All practicals covered	Nil	Comfy
B. Sc. II	Plant- Protection	Methods of Plant- Protection part-I Practical - II	Methods of Plant protection part-I All practicals covered.	- - -	- - -

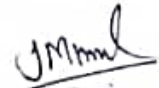


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Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not Covered	Remarks
B.Sc. I.	Botany	Bryophytes	Classification up to class. Alteration of generation Economic importance	- Nil	Completed
		Practical	All practicals covered	-	


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Class To	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc. I	Botany	DSc 1007 B- Sec-II			
		Unit IV - Morphology & modifications in Angiosperms	Unit- IV - Morphology & modifications in Angiosperms	Nil	-
		Practical	All practicals covered.	-	-
					} Completed



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STATEMENT OF SYLLABUS COVERED

Year: 2020-2021

Term: I / IInd


Name of the Instructor: Dr. Jyoti Mahadev Groole.

Department: Botany

Class	Subject	Syllabus Covered	Syllabus Not to Covered	Remarks	
B.Sc. III	Botany	DSC 7H - Section I Unit - II - Recombinat DNA technology	Recombinant DNA technology	-	} complete
		DSC 7H - Section II Unit - III - forestry	forestry	-	
		Practical I	All Practicals covered	Nil	
B.Sc. II	Plant- Protection	DSC 1011D1 - sec. II unit - II - Study of Insect Pest.	Study of Insect pest.	-	
B.Sc. II	P.P. Botany	Practical .II Practical II	All Practicals covered All Practicals covered.	- -	



Date To	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
1-5-21	Botany	DSC 1007 B- Sec-II			
		Unit IV - Morphology & modifications in Angiosperms	Unit- IV - Morphology & modifications in Angiosperms	-	-
		Practical	All practicals covered.	-	-
				Nil	Completed


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STATEMENT OF SYLLABUS COVERED

Year: 2020-2021

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Name of the Teacher: Dr. Alvikar. A. R.

Department: Botany

Sl. No.	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc.I	Botany B.Sc-I	Plant Ecology Section-I Unit - I - Ecological factors and Plant Communities.	Introduction. Definition of Ecology Ecological factors Climatic factors Ecological adaptation Soil pollution Ecological Succession, Ecological interaction	— Nil	}
	B.Sc-II	Plant Physiology Section-II Unit 3 - Plant water Relationship	Introduction, water transport process Mechanism of water absorption	—	}

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STATEMENT OF SYLLABUS COVERED

Year: 2020-2021

Term: I / II

Teacher: Dr. Alvikar. A. R.

Department: Botany

Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Cover	Remarks
B.Sc-II Botany	Tissue and Tissue systems Section-I Unit-II-Tissue and Tissue system	Introduction meristems. Theories of structure development ETS, MTS, STS.	→	Completed
B.Sc-III Botany	Section-I Unit -I Genetic Material	Introduction, Nucleic acids (DNA RNA), Griffith's and Avery's transformation experiment.	Nil —	

Dr. Alvikar
(Dr. Alvikar. A. R.)



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STATEMENT OF SYLLABUS COVERED

Year: 2020-2021

Term: I / II

Name of the Teacher: Dr. Annapurna R. Alvikar

Department: Botany.

Sl. No.	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc.I	Botany	"Bryophytes, Pteridophytes and Gymnosperms" Section-II Unit - 1 - Pteridophyte	Introduction, General Characters, Classification (As per G.M. Smith) up to class. Anatomy of <u>Selaginella</u> . Morphology of <u>Pteris</u> . Anatomy of <u>Pteris</u>	— Nil	Completed.
B.Sc.II	Botany	Section-I Unit - II Photoperiodism Vernalization	Introduction Types of Vascular bundles, Photoperiodism & Florigin Concept LOP, SDP, DNP	—	



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STATEMENT OF SYLLABUS COVERED


Year: 2020-2021

Term: Ist / IInd


Dr. Alvikar . A.R

Department: Botany

Sl. No.	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not Covered	Remarks
B.Sc III	Botany	Section - II Unit - I Mutation breeding	Introduction, Mutation breeding examples and DNA Structure, types of DNA, DNA replication, Types of RNA	— Nil	Completed.


(Dr. Alvikar . A.R)




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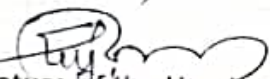
Name of the Teacher : Dr. Baiya Digambar Patil

Department : Botany

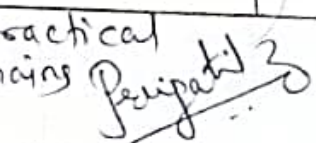
Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B. Sc. II	Botany	Sem. V - Unit 2: Plant Pathology	Inter. classification study of mechanism of infection in disease development. Prevention & control of plant diseases. Plant quarantine, functions & significance of plant pathology	All syllabus covered	Completed
		Unit 4: Radiation Biology	Radioactive isotopes Effect of radiations on biological systems, Beneficial effects of radiations	All syllabus covered	



Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
.Sc. III	Botany	Sem. VI, Sec. I Unit 4: Plant tissue culture Principle & totipotency Components of culture media, sterilization techniques, Techniques in PTC, Callus culture, cell suspension, culture organogenesis, Embryogenesis & Application of PTC.	All syllabus covered	—	Completed
		Sem. VI. Section I Unit 2: Linkage & Crossing over	All syllabus covered.	—	
B.Sc. III	Botany	Practical - IV	Total 20 practicals covered	2 practical remains	Practical 3


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 (Dr. Priya P. Pati)

VIVEKANAND COLLEGE, KOLHAPUR.

STATEMENT OF SYLLABUS COVERED

Year : 2020 - 2021

Term : Ist / IInd

Name of the Teacher : Dr. Priya Digambar Patil

Department : Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc.	Botany	Sem. III Sec. II Unit 2 : Pollination & fertilization Def ⁿ , Types of pollination, Mechanism in Anemophily, Entomophily & Hydrophily, Mimicry in orchids, fertilization, double fertilization, triple fusion, stru. & development of monocot & dicot embryo.	All syllabus covered	Nil	Complete
B.Sc. II	Botany	Practicals - 7	online covered		



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STATEMENT OF SYLLABUS COVERED

Year : 2020 - 2021

Term : Ist / IInd

Name of the Teacher : Dr. Priya Digambar Patil

Department : Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B. Sc.	Plant Protection	Sem. III Unit I : Crop diseases Intro. Importance of plant pathology, Concept of disease, Terminologies, Phytoalexins & siderophores	All syllabus covered	Nil	Completed
		Unit 2 : Mechanism of infection in Fungi, Bacteria & Virus, factors affecting infection	All syllabus covered	Nil	



Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc.	Botany Plant Protection	Sem. IV: Unit 1: Introduction to insect pest Def ⁿ & losses caused by insect pests, Causes for insects to assume pest status classification of insect pest	All syllabus covered	Nil	Completed
		Unit 4: Recent trends in pest management	Precautionary measures used during pesticide application		
B. Sc. 1 Practical - Total 6 practicals covered (online)			All syllabus covered		

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Head

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STATEMENT OF SYLLABUS COVERED

Year : 2020 - 2021

Term : Ist / IInd

Name of the Teacher : Dr. Lubdha Abhijeet Kagale

Department : Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc. I	Botany	Practical - I (3)	Practical - I (3)		
B.Sc. II	Botany	1. Mineral Nutrition 2. Growth and Development (half unit) Practical II (06)	1. Mineral Nutrition 2. Growth and Development (half unit) Practical II (04)	Nil	} complete
B.Sc. II	Plant Protection	1. Crop diseases (1.d & 1.e) 2. Management of Insect Pest	1. Crop diseases (1.d & 1.e) 2. Management of Insect pest		
B.Sc. III	Botany	1. Microbiology 2. Ethnobotany	1. Microbiology 2. Ethnobotany		



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STATEMENT OF SYLLABUS COVERED

Year : 20 20-20 21

Term : Ist / IInd

Name of the Teacher : Dr. Sarika D. Patil

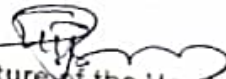
Department : Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc. III	Botany	Sem V Sec II Unit I & 2 Unit II A, E, F Sec I Unit 2	All Alloted syllabus covered.	Nil	- complete
		Sem VI Sec I unit I sec II Unit 3.	All Alloted syllabus covered	Nil	

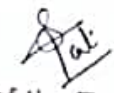


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Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc. II	Botany	Sem. III Sec. II Unit I Sem IV Sect. I Unit I Unit II All Practicals	All syllabus	Nil	Completed
B.Sc. II	Plant Pr.	Sem III Sec. II Unit III Sem IV Unit I All Practicals	All syllabus		


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STATEMENT OF SYLLABUS COVERED

Year : 20 20 - 20 21

Term : Ist / IInd

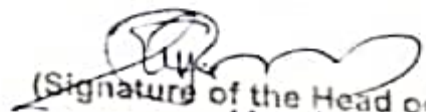
Name of the Teacher : Dr. Ketaki Poakash Patil

Department : Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc. I	Botany	Fungi (I)	Introduction Classification economic import Mucor Penicillium VAM Lichens	All covered	complete
		Ecological (II) Succession	Introduction Types Phytogeographical area of India		
		practical	I		



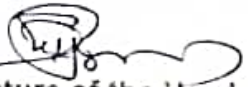
Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.sc. II	Botany (TIL)	Family - Annonaceae Lamiaceae Apocynaceae	All covered		Completed
B.sc. II	IV	Enzyme - - Locky & key - Induced fit - Factors affecting enzymes - Allosteric modification	All covered	Nil	
Practical	Both	(sem) Part-I	Practical are completed		


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Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.sc III	Botany VI	Extra - chromosomal Genome - Introduction - organization - plastid inheritance - mitochondrial inheritance	All covered	Nil	complete
B.sc III	Practical	- Practical III	All covered	Nil	


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VIVEKANAND COLLEGE, KOLHAPUR.

STATEMENT OF SYLLABUS COVERED

Year : 2020 - 2021

Term : Ist / IInd V & VI

Name of the Teacher : Dr. Ketaki Prakash Patil

Department : Botany

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc. III	Botany V	<ul style="list-style-type: none"> - cell is unit of life - The cell theory - cell membrane - cell wall - The functions of membrane - Models of membrane - radiation - Autoradiography - Muller - experiment - Precautionary measure. 	All covered	Nil	Completed

