

**Rayat Shikshan Sanstha's
Rajarshi Chhatrapati Shahu College
Kolhapur**

Department of Botany

CAREER ORIENTED COURSE

BIODIVERSITY CONSERVATION

2017-2018



Career Oriented Course- Certificates Course in Biodiversity and it's Conservation.

1. Name of the Department: - Department of Botany

2. Course Name: - Certificates Course in Biodiversity and it's Conservation.

3. Course Coordinator Name & Contact Number: - Dr. Nagane P.N

7756833904

4. Duration: -6 Months

5. Course Fee: - Rs- 300/-

6. Eligibility: - 12th passed students are eligible to take admission

7. Minimum intake Capacity: - 20

8. Objective :

The objective of this scheme is to introduce career and market skill enhancing add-on courses that have utility for job, self employment and empowerment of the students

9. Certificate Course:

The course will be of 30 credits. Each credit will have 15 hrs. of workloads out of which 10 credits should necessarily be assigned to fieldwork/project work/training (450)

10. Teaching programme:

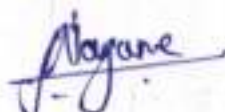
Theory and Practicals is of -30 hrs — 20 credits.

Field Work /Project work /Training-15 hrs — 10 credits.

Theory Paper I — 100 marks

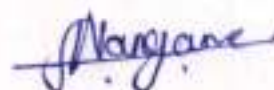
Theory Paper II — 100marks

Paper III 100marks



Co-ordinator
COC in Biodiversity Conservation





Head

Department of Botany
Rajarshi Chh. Shahu College, Kolhapur

RAYAT SHIKSHAN SANSTA'S
RAJARSHI CHHATRAPATI SHAHU COLLEGE KOLHAPUR

Department of Botany

Carrier Oriented Course: - Biodiversity Conservation

2017-2018

Notice

16/08/2017

All the students of Arts, Science and Commerce are hereby informed that Department of Botany is going to start Carrier Oriented Course Certificate course in Biodiversity Conservation from next week. Those who are interested please contact to Head Department of Botany.

The Course fees is Rs.300/- and duration of Course is 6 Months.

Mangane

Head

Department of Botany
Rajarshi Chh. Shahu College, Kolhapur.



Shahu

Principal,
Rajarshi Chh. Shahu College
Kolhapur.

Rayat Shikshan Sanstha's

RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR

Career Oriented Course 2017-18

BIODIVERSITY CONSERVATION

List of Students Enrolled

Sr. No.	Roll Number	Name of the students	Class	Signature
1.	155	Barboza Roshani Ruzario	B.Sc. I	Roshani
2.	89	Bidkar Aditya Anil	B.Sc. I	ABB
3.	94	Dange Anuradha Nagesh	B.Sc. I	ANU
4.	99	Gund Suraj Shankar	B.Sc. I	SSG.
5.	102	Jamadar Abid Salim	B.Sc. I	ASI
6.	166	Kamble Manthan Nishikant	B.Sc. I	Manthan
7.	105	Kamble Prageeta Ananda	B.Sc. I	KPA
8.	107	Kamble Pritee Ananda	B.Sc. I	Pritee
9.	119	Kamble Aniket Kiran	B.Sc. I	AKK
10.	116	Naikawadi Muskan Rafik	B.Sc. I	Muskan
11.	117	Nilajkar Kavita Brahma	B.Sc. I	KBN
12.	161	Thamke Rutuja Rajendra	B.Sc. I	Rutuja
13.	146	Yadav Ketan Kiran	B.Sc. I	KYadav
14.	144	Yadav Swapnil Santosh	B.Sc. I	Swapnil

M. N. N. N.

Co-ordinator
COC in Biodiversity Conservation



M. N. N. N.

Head
Department of Botany
Rajarshi Chh. Shahu College, Kolhapur.

11. Syllabus

Paper I — Fundamentals of biodiversity.

Section I

Unit I—Origin of life.	15
—Position of different organisms in living world.	
—Differentiation between prokaryotic and eukaryotic cell.	
1.3— Brief introduction to five kingdom classification system.	
Unit 2—Concept of Evolution	12
—Theories of evolution, Darwinism, Concept of species formation.	
—Phylogeny	
Unit 3—Taxonomy and Classification	20
3.1- Introduction to major groups of plants.	
3.2- Introduction to major groups of animals and microbes.	
Unit 4 —Loss of Biodiversity	10
4.1- Causes of loss of Biodiversity.	
4.2- Effects of loss of Biodiversity.	
4.3 -Terminology- Red data book-concept.	

Section II

Unit I—Biodiversity introduction, concept and significance	7
Unit 2 —Levels of Biodiversity	15
2.1— Mega diversity in India	
2.2 -Bioreserves	
2.3 Hot spots in India with special reference to Himalaya and Western ghat(Maharashtra)	
2.4 –National parks,wildlife sanctuaries Botanical gardens and Zoological museums.	



Unit3-Climatic Change	7
3.1-Causes of Climatic change.	
3.2-Effects of Climatic change.	
Unit4-Earth Summits- Objectives and resolution passed.	12

Paper II-Ecology and Conservation Biology.

Section-I

Unit1-Ecology concept,biotic and abiotic component	12
Unit2-Ecosystem and Phytogeography of India	12
Introduction, components of Ecosystem.	
Food chains and Food webs	
Unit3	12
Environmental Pollution	
Causes and effects of it on environment	
Unit4	10
Plant as Bioindicatos	
Role in environmental monitoring	

SectionII

Unit1-Biodiversity conservation strategies.	15
Insitu and Exsitu conservation	
Unit2-Research institute related to Conservation of Biodiversity	15
Bio-ethics,IPR and Patenting	
Unit3-Ecotourism and Biodiversity.	12
Communication, education and public awareness	
Unit4-Brief review of protocols given by various earth summits to various nations.	12



Paper-III

Practicals:-

30Periods

- Cultivation and isolation of micro-organisms.
- Morphology of major groups (Bryophyte, Pteridophyta, Gymnosperms and Angiosperms)
- Study of comparative diversity in Angiosperms.
- Classification of insects (All major orders) using leaf Study of wild species in crop improvement.
- Study of Red data book Species of Sahyadri belonging to Satara district.

Work experience:

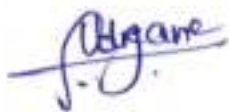
60periods

- Assessment of Biodiversity of an area (Ajinkyatara, Yavateswar, Kas, Pateswar) by suitable sampling method (quadrant) species abundance, frequency, density



12.Suggested Reading for Biodiversity:

- 1.Veena Arora 202 Natraj Publishers ,Dehradun Publisher: The Biological
- 2.Diversity Act,Edt Heywood, V.H .: Global Biodiversity Assessment PartI
- 3.M.S.Prashanth: Environmental Studies
- 4.M.C.Dash:Fundamental of Ecology
- 5.D.K.Asthana,Meera Asthana:Environment: Problems&Solutions
- 6.D.K.Belsare: Introduction to Biodiversity
- 7.SurendraSingh:Geo morphology and Remote Sensing in Environmental Management
- 8.N.Das Gupta:Environmental Accounting
- 9.E rach Bharucha:Textbook of Environmental Studies
- 10.M.L.Narasaiah:Biodiversity & Sustainable Development
- 11.M.L.Narasaiah:Education & Biodiversity
- 12.R.L.Panigrahy,LingarajPatro:Biodiversity Conservation and Sustainable Development
- 13.John R.Jensen:Remote Sensing of the Enviroment
- 14.M.M.Anji Reddy.: Remote Sensing and Geographic allInformation
- 15.Systema Veer Bala Rastogi:Fundamentals of Biostatistics
- 16.P.K.Banejee:Introduction to Biostatistics
- 17.Jadhav,H.and Bhosale, V.M. Environmental Protection and Laws
- 18.Principles of Biochemistry:Lehninger



Co-ordinator
COc in Biodiversity Conservation





Head
Department of Botany
Rajarshi Chh. Shahu College, Kolhapur

Rayat Shikshan Sanstha's

RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR

Career Oriented Course 2017-18

BIODIVERSITY CONSERVATION

ATTENDANCE

Sr.No.	Name of Students	4/9/2017	5/9/2017	6/9/2017	7/9/2017	8/9/2017	9/9/2017	11/9/2017	12/9/2017	13/9/2017	14/9/2017	15/9/2017
1.	Barboza Roshani Ruzario	Roshani AAB	Roshani AAB	Roshani AAB	Roshani AAB	Roshani AAB	Roshani AAB	Roshani AAB	Roshani AAB	Roshani AAB	Roshani AAB	Roshani AAB
2.	Bidkar Aditya Anil	ADU	ADU	ADU	ADU	ADU	ADU	ADU	ADU	ADU	ADU	ADU
3.	Dange Anuradha Nagesh	S.S.G.	S.S.G.	S.S.G.	S.S.G.	S.S.G.	S.S.G.	S.S.G.	S.S.G.	S.S.G.	S.S.G.	S.S.G.
4.	Gund Suraj Shankar	ASL Manthar	ASL Manthar	ASL Manthar	ASL Manthar	ASL Manthar	ASL Manthar	ASL Manthar	ASL Manthar	ASL Manthar	ASL Manthar	ASL Manthar
5.	Jamadar Abid Salim	Manthar	Manthar	Manthar	Manthar	Manthar	Manthar	Manthar	Manthar	Manthar	Manthar	Manthar
6.	Kamble Manthan Nishikant	KPA	KPA	KPA	KPA	KPA	KPA	KPA	KPA	KPA	KPA	KPA
7.	Kamble Prageeta Ananda	Pritee	Pritee	Pritee	Pritee	Pritee	Pritee	Pritee	Pritee	Pritee	Pritee	Pritee
8.	Kamble Pritee Ananda	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK
9.	Kamble Aniket Kiran	Medan	Medan	Medan	Medan	Medan	Medan	Medan	Medan	Medan	Medan	Medan
10.	Naikawadi Muskan Rafik	KBN	KBN	KBN	KBN	KBN	KBN	KBN	KBN	KBN	KBN	KBN
11.	Nilajkar Kavita Brahma	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja
12.	Thamke Rutuja Rajendra	KAYADA	KAYADA	KAYADA	KAYADA	KAYADA	KAYADA	KAYADA	KAYADA	KAYADA	KAYADA	KAYADA
13.	Yadav Ketan Kiran	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil
14.	Yadav Swapnil Santosh	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil



Sr.No.	Name of Students	16/9/2017	18/9/2017	19/9/2017	20/9/2017	21/9/2017	22/9/2017	23/9/2017	25/9/2017	26/9/2017	27/9/2017	28/9/2017
1.	Barboza Roshani Ruzario	Roshani	Roshani	Roshani	Roshani	Roshani	Roshani	Roshani	Roshani	Roshani	Roshani	Roshani
2.	Bidkar Aditya Anil	AAB	AAB	AAB	AAB	AAB	AAB	AAB	AAB	AAB	AAB	AAB
3.	Dange Anuradha Nagesh	ANU	ANU	ANU	ANU	ANU	ANU	ANU	ANU	ANU	ANU	ANU
4.	Gund Suraj Shankar	SSG	SSG	SSG	SSG	SSG	SSG	SSG	SSG	SSG	SSG	SSG
5.	Jamadar Abid Salim	ABI	ABI	ABI	ABI	ABI	ABI	ABI	ABI	ABI	ABI	ABI
6.	Kamble Manthan Nishikant	Manthan	Manthan	Manthan	Manthan	Manthan	Manthan	Manthan	Manthan	Manthan	Manthan	Manthan
7.	Kamble Prageeta Ananda	KPA	KPA	KPA	KPA	KPA	KPA	KPA	KPA	KPA	KPA	KPA
8.	Kamble Pritee Ananda	Pritee	Pritee	Pritee	Pritee	Pritee	Pritee	Pritee	Pritee	Pritee	Pritee	Pritee
9.	Kamble Aniket Kiran	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK
10.	Naikawadi Muskan Rafik	Muskan	Muskan	Muskan	Muskan	Muskan	Muskan	Muskan	Muskan	Muskan	Muskan	Muskan
11.	Nilajkar Kavita Brahma	KBN	KBN	KBN	KBN	KBN	KBN	KBN	KBN	KBN	KBN	KBN
12.	Thamke Rutuja Rajendra	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja
13.	Yadav Ketan Kiran	KKYadao	KKYadao	KKYadao	KKYadao	KKYadao	KKYadao	KKYadao	KKYadao	KKYadao	KKYadao	KKYadao
14.	Yadav Swapnil Santosh	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil



Sr.No.	Name of Students	29/9/2017	3/10/2017	4/10/2017	5/10/2017	6/10/2017	7/10/2017	9/10/2017	28/10/2017	30/10/2017	31/10/2017	1/11/2017
1.	Barboza Roshani Ruzario	Roshani	Roshani	Roshani	Roshani	Roshani	Roshani	Roshani	Roshani	Roshani	Roshani	Roshani
2.	Bidkar Aditya Anil	AAB	AAB	AAB	AAB	AAB	AAB	AAB	AAB	AAB	AAB	AAB
3.	Dange Anuradha Nagesh	ANU	ANU	ANU	ANU	ANU	ANU	ANU	ANU	ANU	ANU	ANU
4.	Gund Suraj Shankar	SSG	SSG	SSG	SSG	SSG	SSG	SSG	SSG	SSG	SSG	SSG
5.	Jamadar Abid Salim	ASJ	ASJ	ASJ	ASJ	ASJ	ASJ	ASJ	ASJ	ASJ	ASJ	ASJ
6.	Kamble Manthan Nishikant	Manthan	Manthan	Manthan	Manthan	Manthan	Manthan	Manthan	Manthan	Manthan	Manthan	Manthan
7.	Kamble Prageeta Ananda	KPA	KPA	KPA	KPA	KPA	KPA	KPA	KPA	KPA	KPA	—
8.	Kamble Pritee Ananda	Pritee	Pritee	Pritee	Pritee	Pritee	Pritee	Pritee	Pritee	Pritee	Pritee	Pritee
9.	Kamble Aniket Kiran	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	—
10.	Naikawadi Muskan Rafik	—	Muskan	Muskan	Muskan	—	Muskan	Muskan	Muskan	Muskan	—	Muskan
11.	Nilajkar Kavita Brahma	KBN	KBN	KBN	KBN	KBN	—	KBN	KBN	KBN	KBN	KBN
12.	Thamke Rutuja Rajendra	Rutuja	Rutuja	Rutuja	—	—	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	—
13.	Yadav Ketan Kiran	KKYadav	KKYadav	KKYadav	KKYadav	—	KKYadav	KKYadav	—	KKYadav	KKYadav	KKYadav
14.	Yadav Swapnil Santosh	Swapnil	Swapnil	—	Swapnil	Swapnil	Swapnil	—	Swapnil	Swapnil	Swapnil	Swapnil



Sr.No.	Name of Students	2/11/2017	3/11/2017	6/11/2017	7/11/2017	8/11/2017	9/11/2017	11/11/2017	13/11/2017	14/11/2017	15/11/2017	16/11/2017
1.	Barboza Roshani Ruzario	<u>Roshani</u>	<u>Roshani</u>	<u>Roshani</u>	<u>Roshani</u>	<u>Roshani</u>	<u>Roshani</u>	<u>Roshani</u>	<u>Roshani</u>	<u>Roshani</u>	<u>Roshani</u>	<u>Roshani</u>
2.	Bidkar Aditya Anil	<u>AMB</u>	<u>AMB</u>	<u>AMB</u>	<u>AMB</u>	<u>AMB</u>	<u>AMB</u>	<u>AMB</u>	<u>AMB</u>	<u>AMB</u>	<u>AMB</u>	<u>AMB</u>
3.	Dange Anuradha Nagesh	<u>ANU</u>	<u>ANU</u>	<u>ANU</u>	<u>ANU</u>	<u>ANU</u>	<u>ANU</u>	<u>ANU</u>	<u>ANU</u>	<u>ANU</u>	<u>ANU</u>	<u>ANU</u>
4.	Gund Suraj Shankar	<u>SSG</u>	<u>SSG</u>	<u>SSG</u>	<u>SSG</u>	<u>SSG</u>	<u>SSG</u>	<u>SSG</u>	<u>SSG</u>	<u>SSG</u>	<u>SSG</u>	<u>SSG</u>
5.	Jamadkar Abid Salim	<u>ASJ</u>	<u>ASJ</u>	<u>ASJ</u>	<u>ASJ</u>	<u>ASJ</u>	<u>ASJ</u>	<u>ASJ</u>	<u>ASJ</u>	<u>ASJ</u>	<u>ASJ</u>	<u>ASJ</u>
6.	Kamble Manthan Nishikant	<u>Manthan</u>	<u>Manthan</u>	<u>Manthan</u>	<u>Manthan</u>	<u>Manthan</u>	<u>Manthan</u>	<u>Manthan</u>	<u>Manthan</u>	<u>Manthan</u>	<u>Manthan</u>	<u>Manthan</u>
7.	Kamble Prageeta Ananda	<u>KPA</u>	<u>KPA</u>	<u>KPA</u>	<u>KPA</u>	<u>KPA</u>	<u>KPA</u>	<u>KPA</u>	<u>KPA</u>	<u>KPA</u>	<u>KPA</u>	<u>KPA</u>
8.	Kamble Pritee Ananda	<u>Pritee</u>	<u>Pritee</u>	<u>Pritee</u>	<u>Pritee</u>	<u>Pritee</u>	<u>Pritee</u>	<u>Pritee</u>	<u>Pritee</u>	<u>Pritee</u>	<u>Pritee</u>	<u>Pritee</u>
9.	Kamble Aniket Kiran	<u>AK</u>	<u>AK</u>	<u>AK</u>	<u>AK</u>	<u>AK</u>	<u>AK</u>	<u>AK</u>	<u>AK</u>	<u>AK</u>	<u>AK</u>	<u>AK</u>
10.	Naikawadi Muskan Rafik	<u>Muskan</u>	<u>Muskan</u>	<u>Muskan</u>	<u>Muskan</u>	<u>Muskan</u>	<u>Muskan</u>	<u>Muskan</u>	<u>Muskan</u>	<u>Muskan</u>	<u>Muskan</u>	<u>Muskan</u>
11.	Nilajkar Kavita Brahma	<u>KBN</u>	<u>KBN</u>	<u>KBN</u>	<u>KBN</u>	<u>KBN</u>	<u>KBN</u>	<u>KBN</u>	<u>KBN</u>	<u>KBN</u>	<u>KBN</u>	<u>KBN</u>
12.	Thamke Rutuja Rajendra	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>
13.	Yadav Ketan Kiran	<u>KKY</u>	<u>KKY</u>	<u>KKY</u>	<u>KKY</u>	<u>KKY</u>	<u>KKY</u>	<u>KKY</u>	<u>KKY</u>	<u>KKY</u>	<u>KKY</u>	<u>KKY</u>
14.	Yadav Swapnil Santosh	<u>Swapnil</u>	<u>Swapnil</u>	<u>Swapnil</u>	<u>Swapnil</u>	<u>Swapnil</u>	<u>Swapnil</u>	<u>Swapnil</u>	<u>Swapnil</u>	<u>Swapnil</u>	<u>Swapnil</u>	<u>Swapnil</u>



Rayat Shikshan Sanstha'ss

Rajarshi Chhatrapati Shahu College, Kolhapur

Department of Botany

CAREER ORIENTED COURSE: BIODIVERSITY CONSERVATION

2017-18

Question Paper Pattern,

PAPER- I

Time: 3 hours

Marks: 100

Que 1: Rewrite the following sentences by choosing alternative.

20 Marks

1

To

10

Que 2: Attempt any three of the following.

60 Marks

A

B

C

D

E

Que 3: Attempt any four of the following.

20 Marks

A

B

C

D

E



Rayat Shikshan Sanstha's

Rajarshi Chhatrapati Shahu College, Kolhapur

Department of Botany

CAREER ORIENTED COURSE: BIODIVERSITY CONSERVATION

2017-18

Question Paper Pattern,

PAPER- II

Time: 3 hours

Marks: 100

Que 1: Rewrite the following sentences by choosing alternative.

20 Marks

1

To

10

Que 2: Attempt any three of the following.

60 Marks

A

B

C

D

E

Que 3: Attempt any four of the following.

20 Marks

A

B

C

D

E



Rayat Shikshan Sanstha's

Rajarshi Chhatrapati Shahu College, Kolhapur

Department of Botany

CAREER ORIENTED COURSE: BIODIVERSITY CONSERVATION

2021-22

Question Paper Pattern,

PRACTICAL EXAMINATION

Time: More than 4 hours

Marks: 50

Que 1: Identify and show important structures observed in given specimen. 10 Marks

A

B

C

D

E

Que 2: Identify and show important structures observed in given specimen. 10 Marks

A

B

Que 3: Identify and show important structures of 10Marks

A

B

Que 4: Demonstrate the technique 10 Marks

A

B

Que5: Demonstrate the technique 10 Marks

A

B



Rayat Shikshan Sanstha's
RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR
 Career Oriented Course Examination 2017-2018
Name of Exam - Certificate course in Biodiversity Conservation
RESULTS

sSr. No.	Roll No.	Name of the students (Mother's name)	Paper I (100 M)	Paper II (100 M)	Practica I (50 M)	Project t (50 M)	Total (300)	%	Class
1	155	Bauboza Roshani Ruzario	82	69	45	40	236	78.66	I
2	89	Bidkar Aditya Anil	78	61	39	31	209	69.66	I
3	94	Dange Anuradha Nagesh	79	76	42	41	238	79.33	I
4	99	Gund Suraj Shankar .	74	71	35	39	219	73	I
	102	Jamadar Abid Salim.	74	63	30	33	200	66.66	I
6	166	Kamble Manthan Nishikant	44	36	37	41	158	52.66	II
7	105	Kamble Prageeta Ananda	64	56	38	32	190	63.33	I
8	107	Kamble Pritee Ananda	57	56	32	31	176	58.66	II
9	119	Kamble Aniket Kiran	69	67	36	39	211	70.33	I
10	116	Naikawadi Muskan Rafik	76	73	41	45	235	78.33	I
11	117	Nilajkar Kavita Brahma	75	77	42	46	240	80	I
12	161	Thamke Rutuja Rajendra	75	71	41	43	230	76.66	I
13	146	Yadav Ketan Kiran	Ab	Ab	Ab	Ab	Ab	Ab	Ab
14	144	Yadav Swapnil Santosh	79	39	42	39	199	66.33	I



[Signature]
 Dr. Nagane P. N.
 Course In-Charge

[Signature]
 Dr. Nagane P. N.
 Head of Botany

[Signature]
 Mr. Detha R. P.
 Chairman COC

[Signature]
 Dr. Khilare C. J.
 Principal

Department of Botany
 Rajarshi Chh. Shahu College, Kolhapur
 Co-Ordinator
 COC in Biodiversity Conservation

R. C. SHAHU COLLEGE,
 KOLHAPUR.

"Education through self-help is our motto" -Karmaveer



Rayat Shikshan Sanstha's,

RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR.



NAAC Reaccredited 'A' Grade (with CGPA 3.07) 3rd Cycle

CERTIFICATE

This is to certify that, Shri/Smt. Prageeta Ananda Kamble
Mother's Name Kashavva
Class B.Sc.I of Rajarshi Chhatrapati Shahu College Kolhapur
has successfully completed the Career Oriented/Certificate Course in Biodiversity Conservation
organized by **Rajarshi Chhatrapati Shahu College, Kolhapur.**
Course organized academic year 2017-2018



Margene
Course Coordinator

[Signature]
Principal