



Sonopant Dandekar Shikshan Mandali's
Sonopant Dandekar Arts, V.S. Apte Commerce
& M.H. Mehta Science College, Palghar

Department of Botany

Presents

**Certificate Course in Environmental
Management and Ethics**

**Conducted for First and Second Year B.Sc
students**

Academic Year: 2022-23

Environmental Management & Ethics

Objectives and Learning Outcomes –

1. To understand how humans interact with environment
2. Knowledge on present situation and scope of Environmental management
3. Understand the basic concepts in Environment
4. Enhancement of environmental health
5. Knowledge on present situation and scope of Environmental management

Duration – 60 Hours

Eligibility – 1st and 2nd year B.Sc. (Life Science)

Fees – Rs. 50 /-

Intake Capacity – 60 Students

Proposed Day & Date – Thursday, 22nd December, 2022

Course Content –

The Botany Department of Sonopant Dandekar Arts College V.S. Apte Commerce College & M.H. Mehta Science College, Palghar has organized certificate Course in Environmental Management & Ethics for the 1st and 2nd year B.Sc. (Life Science) students of the college. 46 students registered and successfully completed the course. The course was conducted during the months of Jan 23- Mar 2023. Resource Persons who engaged the classes were renowned in the respective area. The course is of 60 hours duration including lectures and practical sessions

Certificate Course Syllabus Committee:

Sr. No.	Name	Designation
1.	Dr. Kiran J. Save	Principal, Sonopant Dandekar College, Palghar
2.	Prof. Mahesh Deshmukh	IQAC Coordinator, Sonopant Dandekar College, Palghar
3.	Asso. Prof. B. N. Jaiswal	Convenor - Head of Department of Botany
4.	Asst. Prof. Asmita P. Raut	Convenor – Assistant Professor Department of Botany

List of Subject Teachers/ Expertise Faculty:

Sr. No.	Name	Qualifications
1.	Mrs. Asmita P Raut	M.Sc. (Botany)
2.	Dr. Dakshata Patil	M.Sc., B.Ed., Ph.D.
3.	Dr. Viraj Chabake	M.Sc. B.Ed., Ph.D.
4.	Miss. Rudrakshi Raut	M.Sc., B.Ed.
5.	Mrs. Kalyani Joshi	M.Sc. (Botany)
6.	Mr. Sudhir Sharma	M.Sc. (Botany)
7.	Miss. Pratiksha Borse	M.Sc. (Botany)

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Notice



Sonopant Dandekar Shikshan Mandal's
Sonopant Dandekar Arts,
V. S. Apte Commerce &
M. H. Mehta Science College, Palghar

Estb.: 14 August 1968

Dr. Kiran Save, Principal

Kharekuran Road, Palghar (W), Tal. & Dist. Palghar,
Maharashtra - 401 404, INDIA
Tel. : + 91 - 2525 - 252163
Principal : + 91 - 2525 - 252317
Email : sdscollege@yahoo.com
Web : www.sdscollege.com

Date: 13th December, 2022

NOTICE

This is to inform you all the students of senior college (Life Science) that Department of Botany organizes certificate course on '**Environmental management and Ethics**' from **3rd January, 2023 to 4th April, 2023**

Fees for the above course is Rs. 50/-

After completion of the course, candidate will receive certificate from college

For further details Contact-

- Miss. Asmita Raut- 9867397753
- Dr. Viraj Chabake- 9022458777

Asso.Prof. B.N. Jaiswal
Head, Department Botany

Mr. Mahesh Deshmukh
Chairman, IQAC

Dr. Kiran Save
Principal

Brochure



The brochure features a green and yellow background with a circular logo on the top left. The logo contains a tree and text in Marathi. The main title is in large blue letters. Below it, there is a green recycling symbol and a globe. The text is organized into sections: Eligibility, Duration, Fees, Courses Objectives, and Courses Outcomes. The background also has faint circular icons representing various environmental themes like a leaf, a water drop, and a sun.

Sonopant Dandekar Shikshan Mandali's
Sonopant Dandekar Arts, V. S. Apte Commerce
& M. H. Mehta Science College, Palghar.
(Best college – University of Mumbai)
Amongst Top 100 Colleges in India by 'India Today- MDRA Survey 2019')

Department of Botany
Organized
Certificate course on

Environmental Management & Ethics

Eligibility: 1st & 11nd year student of B.Sc. (Life Science)
Duration : 60 hours
Fees : 50/-

As a part of green initiatives of college, the department of Botany has conducted certificate course in the extra-curriculum of S.Y.B.Sc. Students in the academic year 2022-23

Courses Objectives :

- Knowledge on present situation and scope of Environmental Management
- To increase public awareness about environmental issues
- to understand how humans interact with the environment to understand how humans interact with the environment
- To help the social groups and individuals to acquire knowledge of pollution and environmental degradation

Courses Outcomes

- Knowledge on present situation and scope of Environmental Management
- Maintaining a healthy and functional ecosystem
- enhancement of environmental performance

Syllabus

Detailed Syllabus –

Sr. No.	Title	Topics
1.	Introduction	
		Development, economic growth and sustainable development
		Basic ecosystem
2.	Natural Recourses	Natural resources management.
		Livelihoods
		Forest and conversion
3.	Biosphere	
		Biochemical cycle
		Carbon cycle, water cycle, Nitrogen cycle
		Biodiversity
		Soil health
		Soil sustainability
4.	Indigenous Knowledge	
		Local knowledge in the environmental development
		Environment and development
		Relevance of indigenous knowledge
5	Modern Environmental Management	
		Waste management strategies, Government regulation set for the protection
6.	Practical	Study the plant population frequency, Density, Abundance by quadrat method
		Physico-chemical analysis of water and Soil sample.
		To determine dissolved oxygen of water sample.
		To determine Biological and Chemical oxygen demand of water sample.
		Photographic documentation of environmental related issue.
		Observation and study of indicator species
		Study the plant population frequency, Density, Abundance by quadrat method
		Study of environmental law in India

Programme schedule:

Sr. No.	Date	Topics	Sessions
1	01/01/23	Introduction Ecology	2 hours
2	07/01/23	Basic ecosystem	3 hours
3	08/01/23	Abiotic and Biotic	2 hours
4	14/01/23	Natural resources management.	2 hours
5	15/01/23	Livelihoods	2 hours
6	21/01/23	Forest and conversion	2 hours
7	24/01/23	Types of ecosystem	2 hours
8	28/01/23	Development, economic growth and sustainable development	3 hours
9	29/01/23	Biochemical cycle	3 hours
10	04/02/23	Carbon cycle, water cycle, Nitrogen cycle	3 hours
11	05/02/23	Biodiversity	3 hours
12	11/02/23	Soil health	3 hours
13	12/02/23	Soil sustainability	3 hours
14	18/02/23	Local knowledge in the environmental development	3 hours
15	19/02/23	Study of environmental law in India	3 hours
16	25/02/23	Environment and development	3 hours
17	26/02/23	Relevance of indigenous knowledge	2 hours
18	04/03/23	Waste management strategies, Government regulation set for the protection	2 hours
19	09/03/23	Study the plant population frequency, Density, Abundance by quadrat method	2 hours
20	11/03/23	Physico-chemical analysis of water and Soil sample.	2 hours
21	12/03/23	To determine dissolved oxygen of water sample.	2 hours
22	19/03/23	To determine Biological and Chemical oxygen demand of water sample.	2 hours
23	25/03/23	Photographic documentation of environmental related issue.	2 hours
24	26/03/23	Observation and study of indicator species	2 hours
25	01/04/23	Study the plant population frequency, Density, Abundance by quadrat method	2 hours

Student Enrollment List

List of Students

Sr.No.	Name of the Students	Class
1.	Kunal P. Ghute	F.Y.B.Sc
2.	Hemangi D. Thalkar	F.Y.B.Sc
3.	Krutika R. Katkar	F.Y.B.Sc
4.	Sanjana Ojha	F.Y.B.Sc
5.	Muskan Shrivastav	F.Y.B.Sc
6.	Sanket S. Gharal	F.Y.B.Sc
7.	Asmita G. Kadu	F.Y.B.Sc
8.	Sahil B. Patil	F.Y.B.Sc
9.	Rohit P. Survey	F.Y.B.Sc
10.	Navneet J. Khirari	F.Y.B.Sc
11.	Kamini R. Hatkar	F.Y.B.Sc
12.	Muskan Gawandi	F.Y.B.Sc
13.	Sekshi B. Patil	F.Y.B.Sc
14.	Anjali Parhad	F.Y.B.Sc
15.	Anjali Vayeda	F.Y.B.Sc
16.	Kamini J. Bhoir	F.Y.B.Sc
17.	Pranjali M. Machhi	F.Y.B.Sc
18.	Mansi Bhogale	F.Y.B.Sc
19.	Bhanudas S. Machhi	F.Y.B.Sc
20.	Ritika Wadhia	F.Y.B.Sc
21.	Vipul Lahange	F.Y.B.Sc
22.	Rahul A. Dabke	F.Y.B.Sc
23.	Ganesh Shalkar	F.Y.B.Sc
24.	Priyanka L. Korda	F.Y.B.Sc
25.	Sushil R. Kamade	F.Y.B.Sc
26.	Sandeep A. Gupta	F.Y.B.Sc
27.	Srushti P. Patil	F.Y.B.Sc
28.	Poorva M. Patil	F.Y.B.Sc
29.	Rahul R. Patil	F.Y.B.Sc
30.	Amendra S. Singh	F.Y.B.Sc
31.	Samartha K. Ghare	F.Y.B.Sc
32.	Gayatri S. Sonawane	F.Y.B.Sc
33.	Pooja N. Ram	F.Y.B.Sc
34.	Amita v. Ravte	F.Y.B.Sc
35.	Ujwala L. Bhutkade	F.Y.B.Sc
36.	Deharsh Y. Pagdhare	F.Y.B.Sc
37.	Parth Gharat	F.Y.B.Sc

38.	Alfiya Khan	F.Y.B.Sc
39.	Sakshi N. Kini	F.Y.B.Sc
40.	Sejal D. Mirana	F.Y.B.Sc
41.	Love R. Atpadkar	F.Y.B.Sc
42.	Rohit S. Sahni	F.Y.B.Sc
43.	Amruta Morkam	F.Y.B.Sc
44.	Manaswi H. Vadekar	F.Y.B.Sc
45.	Prathamesh B. Tare	F.Y.B.Sc
46.	Ruchira S. Patil	F.Y.B.Sc



Student Attendance Report

		ATTENDANCE																											
		for the month of 20																											
Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	Kunal P. Ghute	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	Hemangi D. Thakkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	Krutika R. Katkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Sanjana Ojha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	Muskan A. Shrivastav	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Sanket S. Ghavale	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Asmita G. Kadu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	Sahil B. Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	Rohit P. Surve	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	Navneel J. Khilrani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Kamini R. Hatkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Muskan Gawandhi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	Sakshi B. Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Anjali Parhad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	Anjali Vayeda	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Kamini J. Bhoir	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	Pranjali M. Machhi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	Mansi Bhogale	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	Bhanudas S. Machhi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	Ritika Wadhiya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	Vipul Lahange	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Rahul A. Dabke	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	Ganesh Shalkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	Priyanka L. Konda	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	Sushil R. Kamade	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	Sandeep A. Gupta	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	Smriti P. Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	Pooja M. Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	Rahul R. Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	Amendra S. Singh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	Samrath K. Ghavare	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

		REGISTER																											
		No. of working days																											
Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	Kunal P. Ghute	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	Hemangi D. Thakkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	Krutika R. Katkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Sanjana Ojha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	Muskan A. Shrivastav	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Sanket S. Ghavale	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Asmita G. Kadu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	Sahil B. Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	Rohit P. Surve	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	Navneel J. Khilrani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Kamini R. Hatkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Muskan Gawandhi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	Sakshi B. Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Anjali Parhad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	Anjali Vayeda	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Kamini J. Bhoir	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	Pranjali M. Machhi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	Mansi Bhogale	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	Bhanudas S. Machhi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	Ritika Wadhiya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	Vipul Lahange	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Rahul A. Dabke	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	Ganesh Shalkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	Priyanka L. Konda	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	Sushil R. Kamade	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	Sandeep A. Gupta	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	Smriti P. Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	Pooja M. Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	Rahul R. Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	Amendra S. Singh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	Samrath K. Ghavare	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

ATTENDANCE

Std. _____

for the month of _____

20

Roll No.	Name of the Student	1-23	4-23	7-23	10-23	13-23	16-23	19-23	22-23	25-23	28-23	31-23
32	Gayatri S. Sonawane	P	P	P	P	P	P	P	P	P	P	P
33	Pooja N. Ram	A	P	P	P	P	P	P	P	P	A	P
34	Amrita V. Ravte	P	A	P	P	P	A	P	P	P	P	P
35	Ujjwala L. Bhutkade	P	P	P	A	P	P	P	P	P	P	P
36	Deharsh Y. Pagdhare	P	A	P	P	P	P	P	P	P	P	A
37	Parth Gharal	P	P	P	A	P	P	P	P	P	A	P
38	Alfiya Khan	A	P	P	P	P	P	P	A	P	P	P
39	Sakshi N. Kini	P	A	P	P	P	P	P	P	P	A	P
40	Sejal D. Mirvana	P	P	P	A	P	P	P	A	P	P	P
41	Love R. Atpadkar	P	A	P	P	P	A	P	P	P	P	P
42	Rohit S. Sahni	P	P	P	A	P	P	P	P	P	A	A
43	Amruta Markam	A	P	P	P	P	P	P	P	P	P	P
44	Manasvi H. Vadekar	P	P	P	P	P	P	A	P	P	P	P
45	Prathamesh B. Tare	P	A	P	P	P	P	P	P	P	P	A
46	Ruchira S. Patil	A	P	P	P	P	A	A	P	P	P	P

Introduction Ecosystem Growth
Sustainable development
Basic Ecosystem - Grassland
Pract: Quadrant method for plant
Natural Resource Management
Livelihood
Forest Conservation
Forest - Conservation
Practical purpose: ecological studies with
Practical purpose: chemical analysis of water
C/N Water cycle / Biodiversity TNC
Soil water / Soil moisture
Practical - Dissolved Oxygen (DO) TNC
Practical - SOD
Pollutants: Inorganic
Env - Development
Reduction of indigenous people

REGISTER

No. of working days _____

Roll No.	Name of the Student	1-23	4-23	7-23	10-23	13-23	16-23	19-23	22-23	25-23	28-23	31-23
32	Gayatri S. Sonawane	P	P	P	P	P	P	P	P	P	P	P
33	Pooja N. Ram	P	P	P	P	P	P	P	P	P	A	P
34	Amrita V. Ravte	P	A	P	P	P	A	P	P	P	P	P
35	Ujjwala L. Bhutkade	P	P	P	A	P	P	P	P	P	P	P
36	Deharsh Y. Pagdhare	P	A	P	P	P	P	P	P	P	P	A
37	Parth Gharal	P	P	P	A	P	P	P	P	P	A	P
38	Alfiya Khan	A	P	P	P	P	P	P	A	P	P	P
39	Sakshi N. Kini	P	A	P	P	P	P	P	P	P	A	P
40	Sejal D. Mirvana	P	P	P	A	P	P	P	A	P	P	P
41	Love R. Atpadkar	P	A	P	P	P	A	P	P	P	P	P
42	Rohit S. Sahni	P	P	P	A	P	P	P	P	P	A	A
43	Amruta Markam	A	P	P	P	P	P	P	P	P	P	P
44	Manasvi H. Vadekar	P	P	P	P	P	P	A	P	P	P	P
45	Prathamesh B. Tare	P	A	P	P	P	P	P	P	P	P	A
46	Ruchira S. Patil	A	P	P	P	P	A	A	P	P	P	P

Introduction Ecosystem Growth
Sustainable development
Basic Ecosystem - Grassland
Pract: Quadrant method for plant
Natural Resource Management
Livelihood
Forest Conservation
Forest - Conservation
Practical purpose: ecological studies with
Practical purpose: chemical analysis of water
C/N Water cycle / Biodiversity TNC
Soil water / Soil moisture
Practical - Dissolved Oxygen (DO) TNC
Practical - SOD
Pollutants: Inorganic
Env - Development
Reduction of indigenous people

Certificate of the Course –





Sonopant Dandekar Shikshan Mandal's
Sonopant Dandekar Arts, V.S. Apte Commerce and
M.H. Mehta Science College, Palghar.



CERTIFICATE COURSE IN "ENVIRONMENT MANAGEMENT & ETHICS"



This Certificate is proudly presented to
Mr./Miss./Ms. Rohit P. Surve
for completion of Certificate Course in
CERTIFICATE COURSE IN "ENVIRONMENT
MANAGEMENT & ETHICS"

Prof. Asmita Raut
Convener

Prof. Bhagwan Jalwal
H.O.D. Botany Dept.

Prof. Mahesh Deshmukh
IQAC Coordinator

Dr. Kiran Save
Principal

Marks Bifurcation of Certificate course

1. Online MCQS -25 Marks (25questions 1Mark each)
2. Assignment work -25 Marks
3. Presentation- 30 marks

Grading System

The breakdown of the grading system used in CBCS:

A⁺: 100 (Outstanding)

A: 90 (Excellent)

B⁺: 80 (Very good)

B: 70 (Good)

C⁺: 60 (Above average)

C: 50 (average)

E: 40 (Pass)

F: 0 (Fail)

Report

The certificate Course in Environmental Management & Ethics was provided by the Botany Department of Sonopant Dandekar Arts College V.S. Apte Commerce College & M.H. Mehta Science College, Palghar for 1st and 2nd year of Life Science students of the college. 46 students registered and successfully completed the course. The course was conducted during the months of Jan 23-Mar 23. The course was executed offline mode followed by traditional teaching method. Active participation obtained from the students in theory as well as in practical sessions.

Course Structure:

Duration: 60 hours

Format: Lectures, discussions, case studies, Test

Date of commencement: 03-1-2023

Date of completion: 4-4-2023



Asso. Prof. B.N. Jaiswal
Head, Department Botany