

**MATA SUNDRI COLLEGE FOR WOMEN**  
**UNIVERSITY OF DELHI**

**Department of Environmental Studies  
&  
Internal Quality Assurance Cell (IQAC)**

*Organized*

**30 HOURS ONLINE INTERDISCIPLINARY  
SHORT TERM CERTIFICATE COURSE**

**ENVIRONMENT MANAGEMENT**

**REPORT**  
**(SEP-OCT 2021)**



*In collaboration with*

**Society for Environment & Sustainable Development (SESD)**



MATA SUNDRI COLLEGE FOR WOMEN, UNIVERSITY OF DELHI  
Department of Environmental Studies & Internal Quality Assurance Cell (IQAC)

In collaboration with

Society for Environment & Sustainable Development (SESD)

Organized

A Short Term Online Interdisciplinary Certificate Course on

# 'ENVIRONMENT MANAGEMENT'

(Course Duration- 30 Hours)

September 02, 2021 to October 02, 2021



## THE SPEAKERS



**PROF. P. S. KHILLARE**

School of Environmental Sciences,  
Jawaharlal Nehru University, New Delhi- India



**PRIYANKA CHOUDHARY**

Executive Member,  
SESD, Rajasthan- India



**DR. SURENDRA KR. YADAV**

Vice President,  
SESD, New Delhi- India



**PROF. R.S. GAVALI**

National Institute of Panchayat Raj and  
Rural Development, Government of India,  
Hyderabad, Telangana- India



**PROF. DR. S. G. V. SUBRAMANIAN**

Professor (Environmental Law and  
Management), Anna University,  
Chennai-India



**DR. C. AZAD VISHWAKARMA**

Research Associate,  
TERI School of Advanced Studies,  
New Delhi- India



**DR. VIJAY KUMAR**

Executive Member,  
SESD, New Delhi- India



**MRS. DEEKSHA**

Coordinator,  
SESD, Uttarakhand- India



**DR. DIPALI S SAPRE**

Secretary,  
SESD, Maharashtra- India



**DR. PANDURANG PATIL**

Assistant Professor,  
Ratnagiri Campus, Mumbai- India



**MOHD. YOUNUS**

Coordinator,  
SESD, Ladakh (UT)- India



**MR. RAJESHWAR PRATAP SINGH**

Executive Member -SESD & Ph.D. Research  
Scholar, School of Environmental Sciences,  
JNU- New Delhi- India



**DR. ARUNA KAKDE**

Vice-president  
SESD, Maharashtra- India



**DR. IBRAHIM BATHIS.K**

Department of Engineering, Politeknik  
Negeri Pontianak Kota Pontianak,  
Kalimantan Barat- Indonesia



**DR. SANJAY MARALE**

Assistant Professor  
Kamla Nehru College, University of Delhi &  
President, (SESD), New Delhi- India



**DR. SANGEETA SINGH**

Assistant Professor, S.S.D.P.C. Girls (PG)  
College, Roorkee, Uttarakhand- India



**DR. SANJAY MARALE**  
Course Director  
(SESD)



**AMIT KUMAR YADAV**  
Course Coordinator  
(SESD)



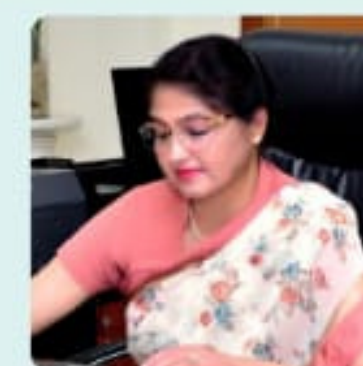
**DR. UZMA NADEEM**  
Course Coordinator  
(MSCW)



**DR. LOKESH KUMAR GUPTA**  
Coordinator, IQAC  
(MSCW)



**DR. KAMLESH KAUR**  
Coordinator, EVS Dept.  
(MSCW)



**PROF. HARPREET KAUR**  
Principal, MSCW  
Course Patron



## Background:

Global warming, climate change, mass extinction of species, and natural calamities are becoming more prominent issues day by day. Environmental education has an effective role in creating healthy awareness and preparing a suitable environment for the development and maintenance of human minds. Environmental education prepares the individual to become able to balance between his vital needs and the natural environment that provides spiritual, aesthetical and ethical sources for many communities. Environmental education includes both formal and informal education and training that increase human capacity and capability to participate in environmental management and in solving environmental crises and challenges. This could be achieved by increasing awareness and effectively changing the individual outlook on the environment. We need awareness in our behavior; we need ethical values for protecting and conserving the environment and improving the quality of human life. As we are all responsible for damaging the environment, it is important for everyone to improve their environmental awareness. It is especially imperative to teach children about the importance of environmental awareness, to ensure that the lives of future generations are secure. Therefore, we must equip our children with the tools necessary to behave in a responsible and informed way towards the environment.

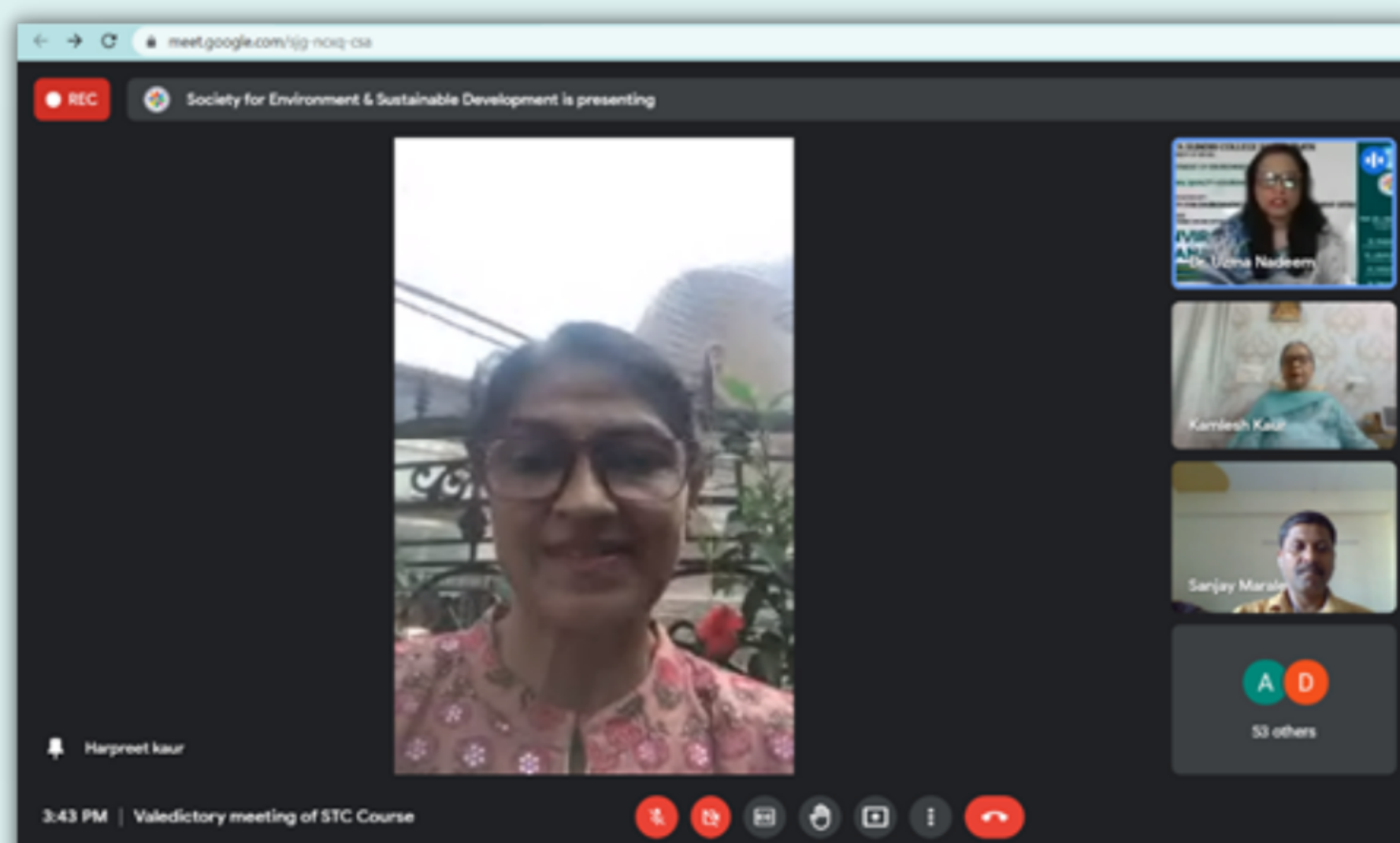
An online short-term interdisciplinary certificate course on “Environment Management” was organized by department of Environmental Studies in collaboration with Internal Quality Assurance Cell (IQAC), Mata Sundri College for Women and Society for Environment and Sustainable Development from September 02, 2021 to October 02, 2021.

Patron:

Professor (DR.) Harpreet Kaur, Principal of Mata Sundri College for Women has graced the session with her welcome speech. She addressed all the participants with her valuable advice and words. She emphasized that post-pandemic, our lives will be different and the environment shall play a huge role in that. Addressing the issues with Environment, Sustainability and the Preventive Measures should be the key feature that we adopt today; otherwise, there will be nothing left for our future generations.

Organizing committee: The course was organized by the following -

Dr. Kamlesh Kaur (Coordinator, EVS Dept.,)  
Dr. Lokesh Kumar Gupta (Coordinator, IQAC)  
Dr. Uzma Nadeem (Course Coordinator)  
Dr. Sanjay Marale (Course Director)  
Amit Kumar Yadav (Course Coordinator)





About 106 participants registered for this course from various institutions all across the country. The course was conducted entirely in the online mode. The classes were held after college hours and on weekends and weekdays.

The course was highly interactive, participative, and action-oriented. It gave us a guiding experience in Environment and Sustainability related issues. Focuses on 'How to Protect Our Environment'. It explains being an environment ambassador and understanding Sustainable Development. The sessions were highly interactive under the guidance of experts.

Practical knowledge was imparted with the help of videos, graphs, and diagrams for a better understanding of the students.

After completion of each module, assignments were given. The mode of the quizzes was Google Quiz wherein the students had to answer objective-based questions to test their understanding of the lectures. On the basis of performance E - Certificates were issued to the participants after the completion of the course.

The course proved to be a huge success. It was a highly advantageous and eye-opening lesson for those who neglect the environment. It encourages the younger generation to take up environmental issues and approach them with an action-oriented motive.

meet.google.com/ood-cwdr-mpw

You're presenting to everyone

Stop presenting

Presented by: ood-cwdr-mpw

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MATA SLINDRI COLLEGE FOR WOMEN  
(UNIVERSITY OF DELHI)

DEPARTMENT OF ENVIRONMENTAL STUDIES  
&  
INTERNAL QUALITY ASSURANCE CELL (IQAC)

IN COLLABORATION WITH  
SOCIETY FOR ENVIRONMENT & SUSTAINABLE DEVELOPMENT (SESD)

ORGANIZES  
SHORT TERM ONLINE INTERDISCIPLINARY COURSE ON

**ENVIRONMENT  
MANAGEMENT**

COURSE START DATE: 02 SEPTEMBER 2021

*Inaugural*

Prof. (Dr.) Harpreet Kaur  
Professor, MSc/PhD  
Course Patron

Dr. Rambhadr Kaur  
Coordinator, FMS Dept. (MSc/PhD)

Dr. Lakshmi K. Gupta  
Coordinator, IQAC (MSc/PhD)

Dr. Sima Nadkarni  
Course Coordinator (MSc/PhD)

Dr. Sanjay Marale  
Course Director (SESD)

Amit Kumar Yadav  
Course Coordinator (SESD)

sanjay marale

Mayangbam Komolini

Deeksha blisht

Aishwarya Mohan

Farhan Khan

Vijay Kumar Research Sch...

27 others

You

4:49 PM | ood-cwdr-mpw

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meet.google.com/tg-wolj-ulk

REC Sanjay Marale is presenting

**PART-II**  
**THE POLITICAL MAP**  
Garnering Support

Who has the authority?  
Who has the authority? Analysis of their power and position, what might win their support if you don't have it, and what you need them to do if you do have their support

Who has influence?

Advocacy partners  
Who can help boost your credibility? Who can help you with political knowledge or influence? Who can help you with having a constituency? Next steps, by whom and when?

Sanjay Marale

Ranadeb Chandra

Sanjay Marale

ajay kaur

Surbhi Beniwal

Dr. Prabhat Kashyap

42 others


4:32 PM | Interaction Session

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Meet - STC Environment M... X

https://meet.google.com/vxx-zvde-yhm

REC Dr. Prabhat Kashyap is presenting



#SheThePeople

Krithi Karanth Jijo Sebastian Nandini Velho Dr. Purvima Devi Barman

8 YOUNG INDIAN environmentalists

Shreya Yadav Tiana Adhya Suprabha Seshan Neha Sinha

The uprising stars of India

5:12 PM | STC Environment Management Module 4\_Lecture 1...

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30°C Mostly cloudy

17:12 17-09-2021

Initiation: STC Environment Ma... X Meet - STC Environment M... X 12 SEP 2021 - Attendance & Fee... X

meet.google.com/bun-dkio-byx

REC Dr. Prabhat Kashyap is presenting



Residential and commercial development

- Housing and urban area
- Commercial and industrial areas
- Tourism and recreation areas

4:14 PM | STC Environment Management Module 3\_Lecture 11...

Type here to search

16:14 12-09-2021

**In-call messages**

Sanjay Marale 4:08 PM  
International Union for Conservation of Nature (IUCN).

You 4:08 PM  
Attendance link (Link will be active till 4:00 pm)  
<https://forms.gle/3odFzdt5dodofXMac7>

Sanjay Marale 4:11 PM  
Assignment 3 is scheduled today on 12/09/21 after the lecture at 5:30 PM. So I request all the participants, be available for the same. Thank you.

3056 > SUMIT KUMAR 4:13 PM  
sir can u please use bilingual as way to explain the ppt???? i'm not getting so

Rehmat Zabi 4:13 PM  
Attendance link is not accepting any response

You 4:14 PM  
Its closed right now, will be active after some time

Send a message to everyone

Invitation: STC Environment Man... Meet - STC Environment Ma... 12 SEP 2021 - Attendance & Fee... meet.google.com/bun-dkio-byx

REC Dr. Prabhat Kashyap is presenting

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# Threats to Biodiversity

Module 3 Biodiversity Degradation and Its Management

Your computer might slow down while running video effects

10/12/2021 Online session on Global Biodiversity Assessment

Turn on camera (ctrl + e)

4:05 PM | STC Environment Management Module 3\_Lecture 11...

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1605 12-09-2021

Invitation: STC Environment Man... Meet - STC Environment Ma... 11 SEP 2021 - Attendance & Fee... meet.google.com/gyr-kqly-lqpl

You're presenting to everyone Stop presenting

MATA SUNDRI COLLEGE FOR WOMEN (UNIVERSITY OF DELHI)

DEPARTMENT OF ENVIRONMENTAL STUDIES & INTERNAL QUALITY ASSURANCE CELL (IQAC)

IN COLLABORATION WITH SOCIETY FOR ENVIRONMENT & SUSTAINABLE DEVELOPMENT (SESD)

ORGANIZES SHORT TERM ONLINE INTERDISCIPLINARY COURSE ON

# ENVIRONMENT MANAGEMENT

COURSE START DATE : 02 SEPTEMBER 2021

## MODULE-3

Prof. (Dr.) Harpreet Kaur  
Professor, SESD  
Course Patron

Dr. Kamlesh Kaur  
Coordinator, EHS Dept. (MSO)

Dr. Lokesh Kr. Gupta  
Coordinator, IQAC (MSO)

Dr. Uzma Nadeem  
Course Coordinator (MSO)

Dr. Sanjay Marale  
Course Director (MSO)

Amit Kumar Yadav  
Course Coordinator (MSO)

Click to add notes

Slide 1 of 3 English India

3:57 PM | STC Environment Management Module 3\_Lecture 9...

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1537 11-09-2021



meet.google.com/ufj-voix-fjp

REC Chandrashekhar Azad Vishwakarma is presenting

**Cont...**

- ▶ The pollution load due to sewage or other organic wastes is measured in term of their **biological oxygen demand (BOD)**.
- ▶ The decomposers use organic matter as source of energy and nutrients and in the process of oxidation use up the available oxygen.
- ▶ BOD is usually expressed in mg of dissolved oxygen content per liter of water for a specific number of days (5 days) at given temperature (20°C).
- ▶ Large amount of sewage in water generates high BOD and lower level of dissolved oxygen.
- ▶ BOD of clean fresh water is **2 mg/l** whereas **values exceeding 5 mg/l indicate pollution**.
- ▶ Cool water dissolves more oxygen and in the rate of decomposition of organic matter is slower than in the warm water.
- ▶ The dissolved oxygen (DO) should not drop below 3 mg/l at any time, in fact it should remain above 5 mg/l for the normal health of an aquatic system.

**Diagram:** Sewage effluent from a house enters a river. Phytoplankton bloom thrives on nutrients. Dissolved Oxygen from water action & photosynthesis is trapped in the lighter layer. Decomposition occurs in the heavier wastewater layer, where DO is used up by microorganisms. Nutrients released by bottom sediments are consumed by DO. Fish are able to avoid hypoxia. Shellfish unable to escape hypoxia. Decomposition of organic matter in sediments.

Sanjay Marale, Santosh Kumar, Kamlesh Kaur, LORAMUDRA DAS, mohana yadav, 62 others

**In-call messages:**

Dr. SHIVANANDA M. K. 4:00 PM  
Good afternoon sir/madam, Dr. SHIVANANDA M K, Asst Prof., Dept of Chemistry, University College of Science, TUMKUR UNIVERSITY, TUMKUR. shivanm@yahoo.com

Dr. SHIVANANDA M. K. 4:02 PM  
Happy teacher's day to all of you.

Dr. SHIVANANDA M. K. 4:04 PM  
Yes sir.

Dr. V.T. KUMAR 4:11 PM  
Please you are give English language

You 4:20 PM  
ATTENDANCE LINK:  
<https://forms.gle/cUxomHTDjociPoHA>  
This form will be closed at 6:00 pm

ATTENDANCE LINK:  
<https://forms.gle/cUxomHTDjociPoHA>  
This form will be closed at 6:00 pm

Send a message to everyone

4:32 PM | STC Environment Management Module 2\_Lecture\_S...

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REC Dr. Uzma Naadeem is presenting

**WORKING TEAM**

**DR UZMA NADEEM**  
COURSE COORDINATOR  
Maha Sundri College for Women

**AMIT KUMAR YADAV**  
COURSE COORDINATOR  
JOINT SECRETARY -SESD

**DR PRABHAT KASHYAP**  
FACULTY COORDINATOR  
Maha Sundri College for Women

**RAJESHWAR PRATAP SINGH**  
TECHNICAL SUPPORT  
EXECUTIVE MEMBER-SESD

Dr. Uzma Naadeem, Sanjay Marale, Kamlesh Kaur, Dr. Prabhat Kashyap, 58 others

3:55 PM | Valedictory meeting of STC Course



# TOPICS COVERED



## DAY 1

- Global Warming
- Ozone Layer Depletion

## DAY 2

- Climate Change
- International Organization and Policies

## DAY 3

- Water Pollution
- Air Pollution

## DAY 4

- Soil Pollution
- Solid Waste Management

## DAY 5

- Levels of Biodiversity
- Importance of Biodiversity

## DAY 6

- Threats to Biodiversity
- Management Strategies for Biodiversity Conservation

## DAY 7

- Environmental Movements
- Environment Activists

## DAY 8

- Conservation Awareness Programs
- Emerging Global Solutions

## DAY 9

- Environment Management
- Sustainable Development Goals (SDGs)

## DAY 10

- Education for Environment
- Education for Sustainable Development

## STUDENT TEAM

Ekisha Mehrotra  
Zoya Arshad  
Jigyasa Singh  
Preet Kaur  
Tarika Jain  
Asees Kaur





# **MATA SUNDRI COLLEGE FOR WOMEN**

**UNIVERSITY OF DELHI**

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 **@mscwdu**