



# INTEGRAL UNIVERSITY

LUCKNOW (INDIA)

**INSPIRING EXCELLENCE**



**FACULTY DEVELOPMENT PROGRAMME**  
ONLINE FACE TO FACE ON

# **ENVIRONMENTAL SUSTAINABILITY**

ORGANIZED BY  
DEPARTMENT OF ENVIRONMENTAL SCIENCE

**16<sup>th</sup> to 30<sup>th</sup> July, 2022**





## **ABOUT THE UNIVERSITY**

Integral University is situated in Lucknow, a city known for its culture, etiquette, monuments and role in the freedom struggle. Integral University has a unique culture of inclusiveness, diversity, personal and intellectual integrity and value-based education. The curriculum has a strong focus on individual growth and the development of essential tools so that its students make a mark in the corporate world and the field of technology. These are solidly supported by a highly qualified and trained team of accomplished faculty and robust academic infrastructure. It was established under the Act Number 9 of 2004 by the State Government. The University is duly approved by the University Grants Commission (UGC) under section 2(f) and 12B of the UGC Act, 1956, Medical Council of India, Pharmacy Council of India, Indian Nursing Council, Council of Architecture, Bar Council of India, Indian Association of Physiotherapists, National Council for Teacher Education, UP State Medical Faculty and Distance Education Bureau. The campus provides state-of-the-art hostel accommodation, with the capacity to host 2600 students in the hostels, and houses a 550-bedded hospital, as part of the Medical College, with state-of-the-art medical facilities and more than 200 doctors. Integral University is not only an academic institution but also a mission and a vision to make the country progressive and prosperous in all walks of life.

## **ABOUT THE DEPARTMENT**

The Department of Environmental Science acts as a nodal centre for providing teaching support to various departments in the university as per UGC guidelines for courses like environment science and disaster management. It provides interface between academia and industry for finding solutions to the climate change and environmental issues. Presently, the Department offers the PhD. Degree program along with graduate and undergraduate courses M. Sc and B. Sc (Hons) in Environmental Science. The Department has experienced permanent and visiting faculty members. The major research areas are basic and applied ecology, air, water and soil pollution, climate change and biodiversity, environmental impact assessment, bio-remediation, environmental toxicology, waste management, Remote Sensing/GIS etc.

## **PROGRAMME OBJECTIVES**

Environmental sustainability is defined as responsible interaction with the environment to avoid depletion or degradation of natural resources and allow for long-term environmental quality. The practice of environmental sustainability helps to ensure that the needs of today's population are met without jeopardizing the ability of future generations to meet their needs.

- The FDP aims at providing an interactive platform for academia, researchers, and students who are working on the latest developments of sustainable environmental problems and issues related to environment.
- Further, we focus on covering various aspects of Biodiversity management, Environmental pollution etc.
- Extreme events related to global warming is a challenging issue faced by climate scientists, we would like to discuss the Future perspective of sustainable development as per the guideline of the Intergovernmental Panel for Climate Change (IPCC) under the different emission scenario.
- It will link all aspects of the chemical, physical and technological sciences relating to energy conversion and storage, and environmental science.

## **CRITERIA FOR COURSE COMPLETION**

The course includes quizzes and assignments which are mandatory for all enrolled participants. Each quiz and assignment shall be of 50 grades and a Minimum of 50% marks shall be required as eligibility criteria for completing the course and receiving the certificates.



## CHIEF-PATRON



**Prof. S.W. AKHTAR**  
FOUNDER & CHANCELLOR  
Integral University, Lucknow

## PATRON



**Dr. SYED NADEEM AKHTAR**  
PRO-CHANCELLOR  
Integral University, Lucknow



**Prof. JAVED MUSARRAT**  
VICE - CHANCELLOR  
Integral University, Lucknow

## CO-PATRONS



**Prof. MOHD. HARIS SIDDIQUI**  
Registrar  
Integral University, Lucknow



**Prof. ABDUL RAHMAN KHAN**  
Dean, Faculty of Science  
Integral University, Lucknow



**Prof. Monowar Alam Khalid**  
Head Department of Environmental  
Integral University, Lucknow



**Prof. Shahid Ali Khan**  
Professor  
Department of Environmental Science  
Integral University, Lucknow

## CONVENERS

**Dr. Rahila Rahman Khan**  
Assistant Professor  
Department of Environmental Science  
Integral University, Lucknow

**Dr. Amina Jafri**  
Assistant Professor  
Department of Environmental Science  
Integral University, Lucknow

## CO-CONVENERS

**Dr. Riyazuddeen Khan**  
Assistant Professor  
Department of Environmental Science  
Integral University, Lucknow

Integral University, Lucknow

## ORGANIZING COMMITTEE

**Mr. Mohd. Usama**  
Assistant Professor  
Department of Environmental Science  
Integral University, Lucknow

**Dr. Shweta Yadav**  
Assistant Professor  
Department of Environmental Science  
Integral University, Lucknow

**Dr. Syed Saema**  
Assistant Professor  
Department of Environmental Science  
Integral University, Lucknow

**Dr. Anand Mishra**  
Assistant Professor  
Department of Environmental Science  
Integral University, Lucknow

**Ms. Mohsina Khan**  
Faculty  
Department of Environmental Science  
Integral University, Lucknow

**Mr. Mohd. Ashraf**  
Faculty  
Department of Environmental Science  
Integral University, Lucknow

**Registration Link : <https://forms.gle/CkftEinJRgmZAi1n8>**

**CERTIFICATE WILL BE PROVIDED TO  
ALL THE SUCCESSFUL PARTICIPANTS**

Email : rahila@iul.ac.in, amina@iul.ac.in  
Contact : +91-9580 587 594, 6394 983 366



**SCAN THIS  
QR CODE FOR  
REGISTRATION**



## **FOLLOWING POINTS WILL BE COVERED**

- Sustainable Environment and Climate Change
- Constructive Wetlands in Waste Water Treatment
- Environment Friendly Initiatives
- Green Technologies for Environmental Sustainability
- Sustainable Water Management
- Recycling of Metals.
- Carbon Foot Print.
- Ecosystem Conservation
- Natural Resource Conservation
- Corporate Environmental Sustainability



# **INTEGRAL UNIVERSITY**

LUCKNOW (INDIA)

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7/13/2022 23:00:31			0 Ahmad Neyaz Khan	Assistant Professor	Computer Application	Integral University, Lucknow	ankhan@iul.ac.in	09027759825	Lucknow	Uttar Pradesh	India
7/13/2022 23:39:46			0 Dr Syed Shahid Mazhar	Associate Professor	Commerce and Business	Integral University Lucknow	ssmazhar@iul.ac.in	+918303214520	Lucknow	UP	India
7/13/2022 23:51:17			0 Dr Faria Fatima	Assistant Professor	Agriculture	Integral University	ffatima@iul.ac.in	8563850518	Lucknow	Uttar Pradesh	India
7/14/2022 0:47:00			0 Dr. Usman Sayeed	Assistant Professor	Agriculture	Integral University	usayeed@iul.ac.in	9935396510	Lucknow	UP	India
7/14/2022 9:10:17			0 Dr. Malik Nasibullah	Associate Professor	Chemistry	Integral University	malik@iul.ac.in	9919695886	Lucknow	Uttar Pradesh	India
7/14/2022 9:13:25			0 Dr Mohammad Kalim A	Associate Professor	Bioengineering	Integral University	mkakhan@iul.ac.in	8853265807	Lucknow	Uttar Pradesh	India
7/14/2022 9:14:03			0 SHAHAB UD DIN	Assistant Professor	DEPARTMENT OF COMMERCE	INTEGRAL UNIVERSITY	sudin@iul.ac.in	9580624322	LUCKNOW	UTTAR PRADESH	INDIA
7/14/2022 9:18:18			0 Gazia Nasir	Assistant Professor	Bioengineering	Integral university	gazian@iul.ac.in	9810420813	Lucknow	Uttar Pradesh	India
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7/14/2022 9:21:42			0 Dr. Moiz Akhtar	Assistant Professor	Department of Commerce	Integral University	makhtar@iul.ac.in	8765098880	Lucknow	Uttar Pradesh	India
7/14/2022 9:22:42			0 Dr. Noor Alam Khan	Assistant Professor	DCBM	Integral University	alamnoor31@gmail.com	8601980333	Lucknow	Uttar Pradesh	India
7/14/2022 9:27:04			0 Ehsanul Haque	Assistant Professor	Commerce & Business	Integral University Lucknow	ehsanul@iul.ac.in	9580254185	Lucknow	Uttar Pradesh	India
7/14/2022 9:34:55			0 Dr. Roohi	Associate Professor	Bioengineering	Integral University, Lucknow	roohi@iul.ac.in	9450358872	Lucknow	Uttar Pradesh	India
7/14/2022 10:01:02			0 Poonam Sharma	Assistant Professor	Bioengineering	Integral University	poonams@iul.ac.in	9457330050	Lucknow	Uttar Pradesh	India
7/14/2022 10:12:38			0 Widhika Singh	others	School of Pharmaceutical	Integral University	widpharma@gmail.com	7348681280	Lucknow	Uttar Pradesh	India
7/14/2022 10:23:38			0 PRIYANKA BAJPAI	others	DEPARTMENT OF COMMERCE	INTEGRAL UNIVERSITY	priyankabajpai@iul.ac.in	8604153334	LUCKNOW	UTTAR PRADESH	INDIA
7/14/2022 10:24:36			0 RISHIKA AWASTHI	others	Department of Commerce	INTEGRAL UNIVERSITY	rishikaawasthi95.ra@gmail.com	7388018943	LUCKNOW	Uttar Pradesh	India
7/14/2022 12:06:10			0 Mr. SHADAB AHMAD	others	Department of Commerce	Integral University	shadaba@iul.ac.in	9119934030	Lucknow	Uttar Pradesh	India
7/14/2022 12:07:12			0 Dr. Kainat Akhtar Usmani	others	Commerce and Business	Integral University	kausmani@iul.ac.in	9696520124	Lucknow	Uttar Pradesh	Lucknow
7/14/2022 12:08:00			0 Divesh Dutt	Assistant Professor	Department Of Commerce	Integral University	diveshd@iul.ac.in	9161166266	Lucknow	Uttar Pradesh	India
7/14/2022 12:18:47			0 Dr Mohammad Irfan Khan	Associate Professor	Pharmacy	Integral University	mikhan@iul.ac.in	7897124030	Lucknow	Uttar Pradesh	India
7/14/2022 12:38:13			0 Dr. Ahamad Faiz Khan	Assistant Professor	Bioengineering	Integral University, Lucknow	faizkhan@iul.ac.in	9307470778	Lucknow	Uttar Pradesh	India
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7/14/2022 15:36:33			0 Sayed nuseba Rasheed	others	DCBM	Integral University	Srasheed@iul.ac.in	08756561056	Lucknow	UTTAR PRADESH	India
7/14/2022 15:45:59			0 Tahmeena Khan	Assistant Professor	Chemistry	Integral University	tahmeenak@iul.ac.in	9793232443	Lucknow	Uttar Pradesh	India
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7/15/2022 10:12:03			0 Dr. Uzma Afaq	Assistant Professor	Biosciences	Integral University	uzmaafaq@iul.ac.in	8840663889	Lucknow	Uttar Pradesh	India
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7/15/2022 14:57:08			0 Dr. Arshi Siddiqui	Assistant Professor	Biosciences	Integral University	sarshi@iul.ac.in	7844017176	Lucknow	Uttar Pradesh	India
7/18/2022 16:51:26			0 Meeta Tandon	Associate Professor	Architecture	Integral university	meeta@iul.ac.in	9415011843	Lucknow	Uttar Pradesh	India
7/18/2022 21:52:48			0 Archana Yadav	Assistant Professor	Department of Electronics	Integral University, Lucknow	archana@iul.ac.in	9935479342	Lucknow	Uttar Pradesh	India
7/19/2022 10:38:19			0 Dr. Syed Wahaj Mohsin	Associate Professor	Languages	Integral University	swahaj@iul.ac.in	7007542488	Lucknow	Uttar Pradesh	India
7/19/2022 10:49:30			0 Shaista Taskeen	others	Department of Languages	Integral University	shaistat@student.iul.ac	9044438081	Lucknow	Uttar Pradesh	India
7/19/2022 14:27:11	drafminai@gmail.com		0 Ahmad Faiz Minai	Associate Professor	Electrical Engineering	Integral University	drafminai@gmail.com	7905100511	Lucknow	Uttar Pradesh	India
7/19/2022 15:38:07	farheens@iul.ac.in		0 FARHEEN SIDDIQUI	Assistant Professor	COMMERCE AND BUSINESS	INTEGRAL UNIVERSITY	farheens@iul.ac.in	9455295669	LUCKNOW	UTTAR PRADESH	INDIA
7/20/2022 13:44:31	akanksha.singh783@gmail.com		0 Akanksha Singh	Assistant Professor	Faculty of Architecture,	Integral University, Lucknow	akanksha.singh783@gmail.com	7234092840	Lucknow	Uttar Pradesh	India
7/21/2022 14:05:01	minaxi@iul.ac.in		0 Dr. Minaxi B. Lohani	Associate Professor	Chemistry	Integral University Lucknow	minaxi@iul.ac.in	9415080238	LUCKNOW	UTTAR PRADESH	India
7/21/2022 14:06:47	mayalohani14@bbdu.ac		0 Ms. Maya B. Lohani	Associate Professor	School of Management	BBDU, LUCKNOW	mayalohani14@bbdu.ac	9451408241	LUCKNOW	UTTAR PRADESH	India
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7/22/2022 10:50:11	avimal@iul.ac.in		0 Dr. Archana Vimal	Assistant Professor	Bioengineering	Integral University	avimal@iul.ac.in	+917389647651	Lucknow	Uttar Pradesh	India
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7/25/2022 10:03:27	reenav@iul.ac.in		0 Dr. Reena Vishvakarma	Assistant Professor	Bioengineering	Integral University	reenav@iul.ac.in	6392857564	Lucknow	Uttar Pradesh	India
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7/29/2022 21:09:43	sonalmishra390@gmail		0 Miss. Sonal Mishra	Assistant Professor	Department Of Commerce	City Law College Janki	sonalmishra390@gmail	08318736370	Lucknow	Uttar Pradesh	India

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**Brief Report on Two Weeks Online Faculty Development Programme (FDP) on  
“Environmental Sustainability” by EVS**

2 messages

**Head Environmental Science** <headenvi@iul.ac.in>

Thu, Sep 29, 2022 at 11:29 AM

To: IT Help Desk &lt;ithelpdesk@iul.ac.in&gt;, IT HelpDesk IU &lt;ithd@iul.ac.in&gt;

Cc: riyazuddeen khan &lt;rkh@iul.ac.in&gt;, Rahila Rahman Khan &lt;rahila@iul.ac.in&gt;, Manvi Singh &lt;manvi@iul.ac.in&gt;

**Brief Report on Two Weeks Online  
Faculty Development Programme (FDP)**

on

**“Environmental Sustainability”**

Organized by

**Department of Environmental Science****19<sup>th</sup> July 2022-1<sup>st</sup> August 2022****Google meet Link for the Program:** <https://meet.google.com/rto-fwkd-vmq>**Convener-** Dr. Rahila Rahman Khan & Dr. Amina Jafri, Assistant Professor, Environmental Science Department, Integral University, Lucknow**Co-Convener-** Dr. Riyazuddin Khan, Assistant Professor, Environmental Science Department, Integral University, Lucknow**Organizing Committee** –All faculty members of Environmental Science Department, Integral University, Lucknow**Preamble**

Teaching Learning Centre (TLC) is mandated by the Ministry of Education (MoE) to organise Faculty Development Programmes (FDPs), Faculty Orientation and Induction Programmes (FIPs), discipline specific and interdisciplinary Refresher Courses, conferences, workshops, through offline and online modes. Therefore, Department of Environmental Science, Integral University Lucknow, has taken the initiative to address the one of contemporary topic **“Environmental Sustainability”** through organizing the Faculty Development Programme. Our major goals in this program have been (1) to help faculty understand how the concept of environmental sustainability is related to their discipline, (2) to help them consider how these concepts may impact their teaching in positive ways, and (3) to help them integrate these ideas into their current courses. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Environmental Sustainability. These programmes are based on in depth subject knowledge, quantitative and qualitative research methodologies, and on an interdisciplinary approach as is envisaged in the National Education Policy (NEP), 2020. The Course will also acquaint the participants with the latest developments & changes in the sector at all levels including regional, national and international issues.

**Day 1 (Inaugural Session)**

The Inaugural session on the first day was given by **Prof. (Dr.) M. A. Khalid** Head, Department of Environmental Science, Integral University, Lucknow on the topic **“Environmental Sustainability”**. He draws attention of the audience mentioning that Environmental Sustainability is one of the key focus areas to solve the global climate issues. He also mentioned about grooming the mindsets of the younger generations for climate justice. The lecture was very much engaging and motivating for all the participants. The second technical session was given by **Dr. Shweta Yadav**, Assistant Professor, Department of Environmental Science, Integral University Lucknow on the topic **“Role of Microorganism to combat Pollution”**.

**Day 2**

The day started with an expert lecture by **Dr. Anindita Bhattacharya**, Professor, Department of Chemistry, Christ Church College, Kanpur on the topic **“Our Planet Our Role”**. Second session was headed by **Dr. Amina Jafri** Assistant Professor, Department of Environmental Science, Integral University Lucknow on the topic: **“Biogas as sustainable form of Energy”**



### ***Day 3***

The first technical session was given by **Dr. Qazi Inamur Rahman**, Assistant Professor, Department of Chemistry, Integral University, Lucknow, on the topic **“A Brief Introduction of Nanotechnology: a Facile Method to Fabricate ZnO Nanomaterials and Its Application over Dye Degradation reaction”** emphasizing the role of Nanotechnology in the Pollutants degradation. Second session was headed by **Dr. Anand Mishra**, Assistant Professor, Department of Environmental Science, Integral University Lucknow. He discussed the bioremediation approaches for heavy metal contamination. His topic of speech is on **“Recent Sustainable Phytoremediation approaches for heavy metals decontamination**

### ***Day 4***

The technical session started by discussing the roles of **“Environment Sustainability in Health Care”**. The expert lecture was taken by **Dr. Pratima Tripathi**, Assistant Professor, Department of Biotechnology, National Institute of Pharmaceutical Education and Research (NIPER). Session was followed by another important lecture on the topic **“Ocean Acidification and its Consequences”** by **Dr. Rahila Rahman Khan**, Assistant Professor, Department of Environmental Science, Integral University Lucknow.

### ***Day 5***

An expert lecture was given by **Dr. Ahmad Faiz Minai** Assistant Professor, Department of Electrical Engineering, Integral University on the topic **“Performance analysis and Sizing of a Solar PV Plant using PVsyst and PVSOL Software”**. Second session was headed by **Dr. Riyazuddeen Khan**, Assistant Professor, Department of Environmental Science, Integral University Lucknow on the topic **“Back to basics for sustainable Environment”**.

### ***Day 6***

The technical session was started by **Dr. Amina Jafri**, Assistant Professor, Department of Environmental Science, Integral University Lucknow on the topic **“Mud House as a sustainable home”**. And second session was given by **Mr. Mohammad Usama**, Assistant Professor, Department of Environmental Science, Integral University Lucknow on **“Impact of Water related Disasters on India and Its solutions”**.

### ***Day 7***

An expert lecture was by **Dr. Manaal Zehra**, Assistant Professor, Department of Liberal Sciences, Era Medical College, Lucknow. Dr. Zehra focuses on the fact that Nanotechnology has a future for various sustainable solutions for environmental challenges. She elaborated her speech on **“Nanotechnology for a Sustainable future”**. Day continues with another interesting lecture on Plant Biotechnology. **Dr. Syed Saema**, on the topic **“In vitro plant tissue culture- An asset for conservation of biodiversity towards sustainability”**

### ***Day 8***

On this day a lecture series was initiated by **Dr. Naseem Ahmed**, Assistant Professor, Department of Chemistry, Integral University Lucknow on the very important and burning topic **“Use of Plastic and Sustainability”**. Followed by the lecture on **“Heavy metals and its impact on Environment”** by **Dr. Shweta Yadav**, Assistant Professor, Department of Environmental Science, Integral University Lucknow.

### ***Day 9***

Climate change won't just impact forest, or coral reefs, or even people in far-off countries – it will affect all of us. From more extreme weather to increasing food prices, to recreation and decreased opportunities to appreciate the natural world, people everywhere will feel its effects. Therefore, it is important to understand the disastrous effects of climate change. Considering the fact, **Dr. Upasana Yadav**, Assistant Professor, Amity University, Lucknow discusses the impacts of Climate Change on Environment. Her topic of discussion was **“Climate Change and Its Impact on the Environment”**. Session became more interesting when **Dr. Syed Saema**, gave a talk on the topic **“Electronic waste and Electronic Stewardship”**.

### ***Day 10***

The first technical session was delivered by **Dr. Droupti Yadav**, Assistant Professor, Department of Environmental Science, CSJM University, Kanpur on the topic **“Societal Role For Environmental Sustainability And Disaster Management”**. Second technical session was taken by **Mr. Mohd Usama**, Department of Environmental Science, on **“Challenges Posed by Aquatic Waste in Wetlands and its Management”**.

### ***Day 11***

The first technical session was taken by **Dr. Iqbal Azad**, Assistant Professor, Department of Chemistry, Integral University, Lucknow on the topic “**Green Chemistry and Sustainability of Environment**”. The second technical session was headed by **Prof. M. A. Khalid** (Head of Environmental Science Department), discussed climate change issues. His topic of discussion was “**An insight of Climate Change with its Solutions**”.

### ***Day 12***

The technical session was headed by **Dr. Rahila Rahman Khan**, Assistant Professor, Department of Environmental Science, Integral University Lucknow on the topic “**Microbial Air Contaminants in Ambient Air**”. Second technical session was taken by **Dr. Riyazuddeen Khan**, Assistant Professor, Department of Environmental Science, Integral University Lucknow on the topic “**Current trends in sustainable development**”.

### ***Day 13***

The first technical session was taken by **Dr. Anand Mishra**, Assistant Professor, Department of Environmental Science, Integral University Lucknow on the topic “**Environmental Challenges and Biodiversity**” followed by second technical session taken by **Dr. Amina Jafri**, Assistant Professor, Department of Environmental Science, Integral University Lucknow on the topic “**Green Technologies as a sustainable Energy**”.

### ***Day 14***

Receiving an overwhelming response from participants, the two weeks FDP on ‘**Environmental Sustainability**’ came to an end with the Valedictory Session, graced by Head of Environmental Science Department, **Prof. M. A. Khalid**. Vote of Thanks was delivered by Dr. Shweta Yadav. As a fitting finale, the participants were asked to share their experience and learning from the program. The program concluded on this happy note.

## **Glimpses of Faculty Development Programme**

Warm regards,

**Prof. Monowar Alam Khalid**, PhD, M.Sc, M.Phil (AMU), PGDRS (IIRS), FNA

(Member, World Commission on Protected Areas, IUCN)

Head, Department of Environmental Science

Dean, Students' Welfare

Integral University, Kursi Road,

Lucknow, U.P.-226026, India.

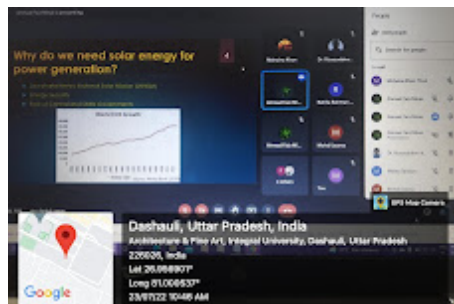
Tel.: +91-6390011283/84/85 Ext: 3001

Think Green - don't print this email unless really needed.

For Communication to all faculty/staff members of IUL.

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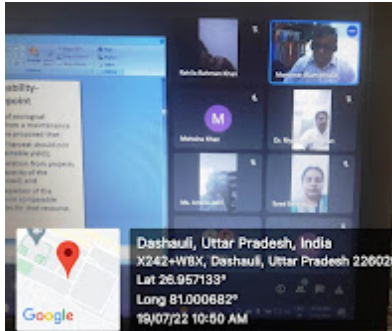
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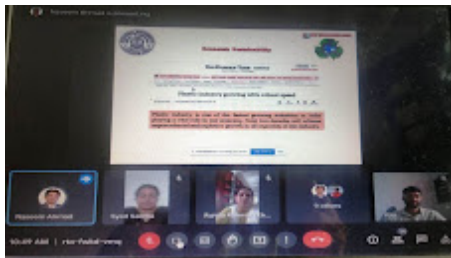
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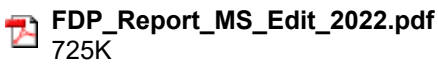
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5.jpg  
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**Communication Cell IUL** <communications@iul.ac.in>  
Bcc: faculty@iul.ac.in

Sun, Oct 2, 2022 at 5:31 PM

[Quoted text hidden]

Naseem Ahmad is presenting

**Economic Sustainability**

**The Economic Times Industry**

**Plastic industry growing with robust speed**

Plastic industry is one of the fastest growing industries in India playing a vital role in our economy. Next two decades will witness unprecedented and explosive growth in all segments of this industry.

Naseem Ahmad

Syed Saadia

Rahila Rahman Kh...

9 others

You

10:49 AM | rto-fwkd-vmq

Prof. (Dr.) Anindita Bhattacharya is presenting

**What Is the Ecological Footprint?**

The ecological footprint is a measure of human demand on the Earth's ecosystems. It is a standardized measure of demand for natural capital that may be contrasted with the planet's ecological capacity to regenerate. It represents the amount of biologically productive land and sea area necessary to supply the resources a human population consumes, and to assimilate associated waste.

Prof. (Dr.) Anindita Bhattacharya

Rohit Anand

Mahd Kalam Ahmad Khan

Tabrez Khan

Rahila Rahman Khan

Dr. Riyazuddeen Khan

Ehsanul Haque

Anam Tashkiba

10 others

GPS Map Camera

**Dashauli, Uttar Pradesh, India**

Architecture & Fine Art, Integral University, Dashauli, Uttar Pradesh

226026, India

Lat 26.956928°

Long 81.000514°

20/07/22 10:47 AM

Ahmad Faiz Minai is presenting

**Why do we need solar energy for power generation?**

- Jawahar Lal Nehru National Solar Mission (JNNSM)
- Energy Security
- Role of Central and State Governments

**World CO2 Growth**

Emis CO2 Source: World Bank (2020)

Ahmad Faiz Minai

Mohsina Khan

Dr. Riyazuddeen...

Rahila Rahman ...

Ahmad Faiz Mi...

Mohd Usama

4 others

You

GPS Map Camera

**Dashauli, Uttar Pradesh, India**

Architecture & Fine Art, Integral University, Dashauli, Uttar Pradesh

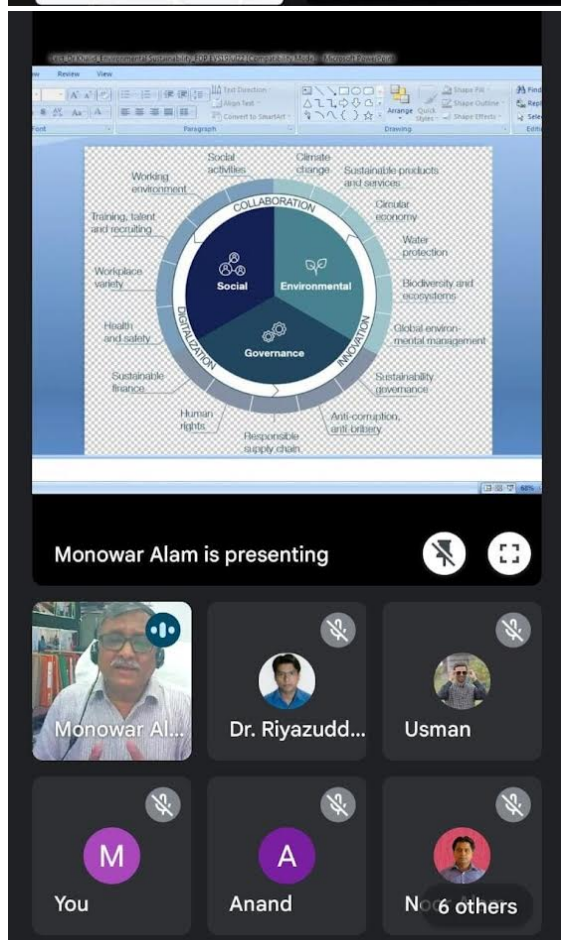
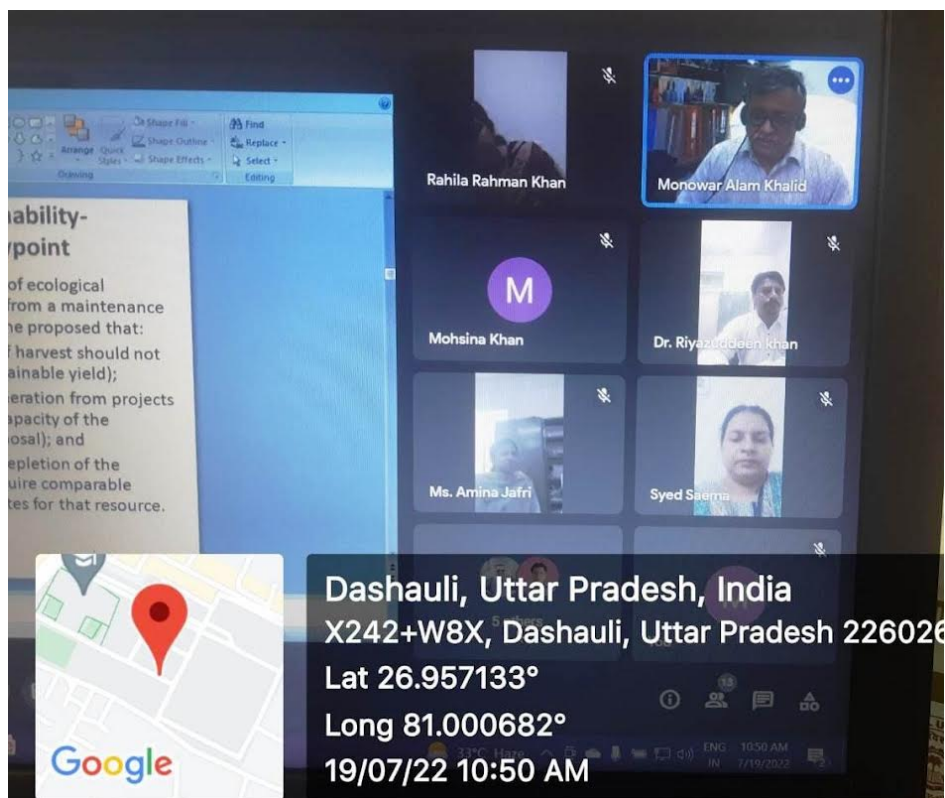
226026, India

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Long 81.000537°

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### Certificate of Participation

This is to Certify that Prof./Dr./Mr./Ms. \_\_\_\_\_  
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participated in Two weeks faculty Development Programme on

### “Environmental Sustainability”

Organized by

Department of Environmental Science,

Integral University, Lucknow

From 19<sup>th</sup> July to 1<sup>st</sup> August 2022

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