



**INTEGRAL
UNIVERSITY**

LUCKNOW - INDIA



VALUE-ADDED COURSE ON
**DISRUPTIVE GREEN TECHNOLOGIES
AND CIRCULAR ECONOMY**

ORGANIZED BY
DEPARTMENT OF
ENVIRONMENTAL SCIENCE
25th JULY- 08th AUGUST, 2024

Dear All,

We are pleased to announce that Department of Environmental Science, Integral University, Lucknow is going to offer a Value-Added course (VAC) on “Disruptive Green Technology” for the students of all courses

DISRUPTIVE GREEN TECHNOLOGIES & CIRCULAR ECONOMY

This special course about Disruptive Green Technologies and Circular Economy is made just for students and teachers who care about the environment. It is designed to help them learn important things, like how to use new eco-friendly technologies and smart ideas to protect nature. By studying different topics and working together on projects, everyone will become experts in using these technologies and ideas to solve big environmental problems and make things better for the planet.

Objectives

This course Specially designed for all UG, PG students who wish to pursue a career in Environmental Science.

The course has flexible deadlines and access to course content from anywhere.

Avail quizzes to learn and enhance the skill related to Environment.

Learning Outcomes

Students will understand

- Delve into the intricacies of disruptive green technologies and circular economy models, emphasizing their application in environmental conservation.
- Research and Development Focus.
- Practical Application.
- Interdisciplinary Collaboration.
- Strategies to improve market access and reduce waste in agricultural supply chains

Course Details

Course Platform : ili (Integral Learning Initiative :
A Collaborative Blended Learning Platform)/Goggle Meet

Course Duration : 30+ Hours (3 hours per Day including Quiz)

Course Start Date : 25th July 2024

Course End Date : 8th August 2024

Registration Date : 20th to 25th July, 2024

Target Participants : All Courses

OUTLINE OF VALUE ADD COURSE

Module 1

(6+1 hrs.)

Foundations of Disruptive Green Technologies for Environmental Conservation :

The course will help to investigate the development and implementation of disruptive green technologies in renewable energy, such as solar, wind, and hydroelectric power.

Quiz Test



Module 2

(6+1 hrs.)

Circular Economy Strategies for Sustainable Environmental Development :

Implement strategies that prioritize resource efficiency through closed-loop systems, emphasizing the reduction, reuse, and recycling of materials to minimize waste generation.

Quiz Test

Module 3

(6+1 hrs.)

Research and Development in Disruptive Green Technologies :

Focus on developing cutting-edge technologies in renewable energy, solar panels, advanced wind turbines, and innovative energy storage solutions, to enhance the efficiency & reliability of sustainable power sources.

Quiz Test

Module 4

(6+1 hrs.)

Innovation Application and Tools for Environmental Conservation :

Develop & implement innovative sensor technologies for real-time environmental monitoring, enabling precise data collection on air quality, water quality, biodiversity, and other critical parameters to support informed conservation efforts. Utilize machine learning and artificial intelligence (AI) algorithms to analyze large datasets.

Quiz Test

Module 5

(6+1 hrs.)

Collaborative Projects and Leadership in Environmental Sustainability :

Foster collaborative projects that bring together stakeholders from various sectors, including government agencies, businesses, non-profit organizations, and communities, to address environmental sustainability challenges comprehensively.

Quiz Test

Total duration of course

30+ Hours

* Timing's : Everyday, 6:00 PM to 8:00 PM



CONVENER

Dr. AMBRINA SARDAR KHAN

HEAD

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Integral University, Lucknow

- *E-certificate will be issued to participants having 75% attendance and 50% marks in Quiz & Assignment
- *Joining link will be shared on the registered email id one day before the commencement of the course

MODE ONLINE

Course Coordinator

Dr. MARIYA HASNAT

Phone No. 8840 02 9028 Email: hmariya@iul.ac.in

Registration Form Link : https://docs.google.com/forms/d/e/1FAIpQLSdIP3bKKArq4unq3pplFthSfD3wpcBkPVRqAMK7kRFIALT1A/viewform?usp=sf_link



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