Electronics & ICT Academy
IIT Roorkee

An Initiative of
Ministry of Electronics & Information Technology (MeitY)
Government of India

A Faculty Development Program
on

Artificial Intelligence in Environmental Biotechnology: Advancing Sustainable Development Goals

In association with

Sam Higginbottom University of Agriculture, Technolgy And Sciences, Prayagraj

Jan 27 – Jan 31, 2025

(09:00 AM to 05:30 PM)

Register Before: Jan 25, 2025

Hybrid Mode

Venue: SHUATS, Prayagraj

Objectives of the course

The broad objectives of the course are:
- Enhance Knowledge of Emerging Technologies: Provide a detailed understanding of the latest advancements in environmental science, smart technologies, and sustainable practices.
- Bridge Theory and Practice: Facilitate the application of theoretical knowledge to real-world challenges through hands-on sessions and practical demonstrations.
- Promote Sustainability: Equip participants with tools and strategies to address environmental challenges and adopt sustainable practices.

Why this course ?

This Faculty Development Program (FDP) has been meticulously crafted to offer participants an in-depth understanding of cutting-edge technologies, sustainable practices, and groundbreaking innovations in the fields of biotechnology, bioinformatics, environmental science, and engineering. By integrating diverse topics such as bioremediation, smart agriculture, IoT applications, and data mining, the program provides a well-rounded perspective on the latest advancements shaping these domains. The FDP serves as a collaborative platform where leading academic scholars and seasoned industry experts converge to share their insights, experiences, and expertise.

Prerequisites

Basic Knowledge of Environmental Biotechnology & Artificial Intelligence Applications
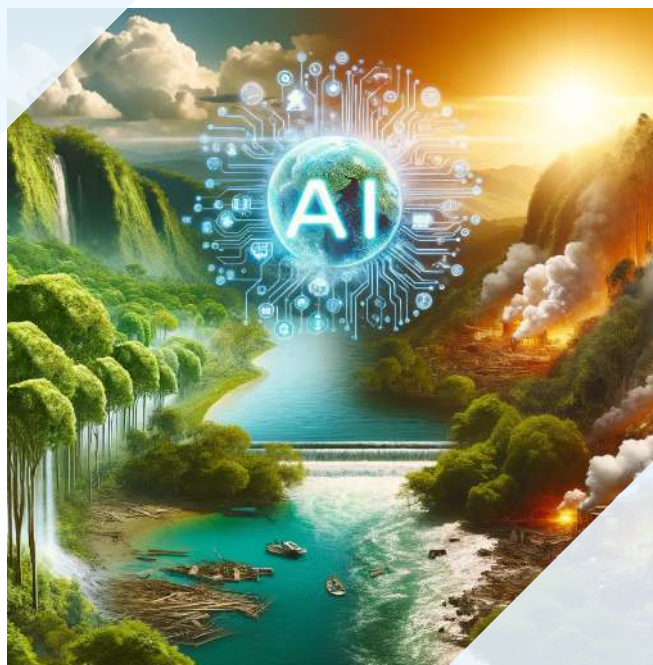
Focus Areas

- Environmental Bioremediation
- Smart Agriculture Techniques
- IoT Applications in Smart Cities
- Data Mining in Healthcare
- Industrial Biotechnology and Waste Management
- Bioinformatics

Course Features

- 40 Hours of Lectures, hands-on, and Pedagogy/Industry sessions.
- Lectures from Expert Speakers, Hands-on from industry/Academia experts.
- Access to learning material and video lectures
- Certificate by E&ICT Academy IIT Roorkee

Course Outcomes

- Acquire advanced knowledge of emerging technologies like IoT, data mining, and machine learning.
- Implement sustainable solutions in areas such as Agri-informatics, bioremediation, waste valorization, and industrial biotechnology.
- Gain hands-on experience with advanced tools and techniques in laboratory and industrial settings.
- Build professional connections with academicians, researchers, and industry
- experts.
- Enhance teaching and research capabilities with cutting-edge methodologies.

Experts from Academia/Industry

Who Should Register?

Any Interested Faculty/PhD-Scholars UG/PG/ & Industry Persons can register

Registration Fee

Fees: ₹ 250/- Faculty/Research Scholar/ Students
₹ 500/- Industry/Others
Note: Refund will be done in case of course cancellation only, with in 20 working days

How to make Payment

Please make the payment first using the below link upload the payment receipt when filling out the Google registration form

https://eict.iitr.ac.in/instruction-for-payment/

Conference Code: EICTIITR-FDP-25-24

Registration Link

https://forms.gle/RJKrrEeHkDQ53xwM6

Scan QR for registration

Register before: Jan 25, 2025

Follow us on:

Who may benifits

- Academic Faculty and Students(UG/PG)
- Government Officials.
- Working Professionals in the Industry and Startups.
- Reasearch Scientists and Technical Staff.

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This certificate can be considered in alignment with other Quality Improvement Programs (QIP) as well as NBA and NAAC for recognition/credit.

Principal Investigator

Prof. Sanjeev Manhas
ECE Department, IIT Roorkee

Course Coordinators

- Prof. Sanjeev Manhas, IIT Roorkee
- Prof. Deepak Lal (Dean, Post Graduate Studies, SHUATS, Prayagraj)
- Dr. Rishabh Chaudhary (Associate Director, Student Welfare, SHUATS, Prayagraj)
- Dr. Akhilesh Bind (Associate Professor, JIBB, SHUATS, Prayagraj)

Reach Us:

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