IIT Guwahati

Electronics & ICT Academy IIT Guwahati

सत्यमेव जयते

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

One - Week (Online)
Faculty Development Program
on

"Sustainable Resource Management : Integrating AI/ML, Geospatial Technologies, and Strategies for a Resilient Future"
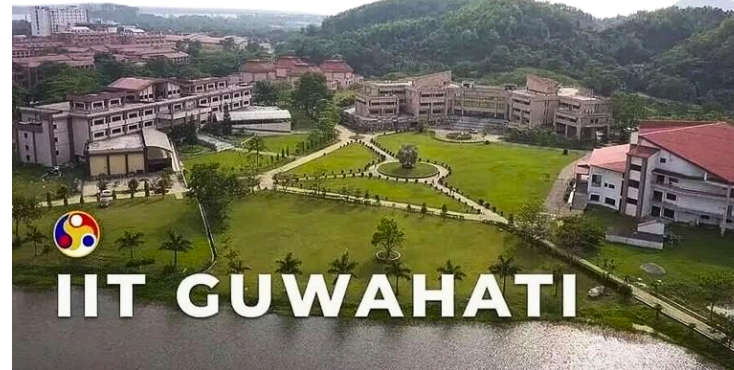
Organized in association with

Sam Higginbottom University of Agriculture, Technology and Sciences (SHUATS)

March 17- March 21, 2025
(09:00 am to 05:30 pm)

Register Before March 15, 2025

Support of Experts – Organized by E&ICT IITG

About the University

Sam Higginbottom University of Agriculture, Technology and Sciences (SHUATS), founded in 1910 as Allahabad Agricultural Institute by Dr. Sam Higginbottom, is a pioneer institute that offered the first agricultural engineering degree in Asia and the fourth in the world in 1943. The university comprises 14 colleges/institutes and 65 departments offering undergraduate, postgraduate, and Ph.D. programs in diverse fields such as Agriculture, Sciences, Engineering, Humanities, Health Sciences, and more. SHUATS has received numerous research projects from prestigious institutions including ICAR, CSSIR, ICFRE, DBT, DST, NOVOD Board, Ministry of Rural Development, ISRO, BARC, UPCST, and UPCAR. The university also has a full-fledged Directorate of Extension approved by the Government of Uttar Pradesh, dedicated to demonstrating and transferring agricultural technologies developed at SHUATS and other institutions to farmers in two commissionaires (Allahabad & Vindhyachal) as well as in seven districts (Fatehpur, Pratapgarh, Mirzapur, Sant Ravidas Nagar, Kaushambi, Sonbadhra and Allahabad). SHUATS envisions the progressive development of agricultural education, research, extension, science, technology, and other disciplines at state, national, and international levels.

Per Day Timing : 09:30 am to 05:30 pm

Venue : Sam Higginbottom University of Agriculture, Technology & Sciences (Formerly Allahabad Agricultural Institute), 211007, Prayagraj, Uttar Pradesh, India

Last Date of Registration 01/03/2025

Contact Hours for the Course : 40 Hrs (Theory, Activities, Case Studies & Evaluation)

About E&ICT Academy, IIT Guwahati

Electronics & ICT Academy IIT Guwahati is an initiative of the Ministry of Electronics & Information Technology (MeitY), Govt. of India, which was inaugurated by our honorable Prime Minister Shri Narendra Modi on 19th January, 2016 with a vision to create skilled human resource in the domain of Electronics and Information Technology to support various government initiatives like "Digital India" and "Make in India". The Academy was setup at IIT Guwahati under the scheme of "Financial Assistance for setting up Electronics and ICT Academies". The objective of the Academy is to provide skill training to the professionals (Engineering & Non-engineering) in the area of recent trends. In the past 7 years the Academy has successfully conducted 400+ Programmes through conventional classroom teaching and NKN/virtual classroom mode in different Institute/University of North Eastern States in particular and few in other states of India. Till date the Academy has successfully trained 20000+ participants.

Who can Attend ?

- *Programme is open to Faculty Members and Ph.D. Research Scholars from Universities and Colleges.*
- *These FDPs can be considered at par with other QIP (Quality Improvement Programme) and other provisions for recognition/credits.*
- *The Faculty/Staff are requested to submit the NOC from the respective department before attending the session.*
- *The participant needs to upload the Institute/Organization's valid Identity Card during the registration.*
- *Participants must submit UTR No./Transaction receipt as the "Proof of Payment" while registering in the FDP.*

Course Objectives

- *Educate participants on the core principles and practices of sustainable resource management and its importance for a resilient future.*
- *Demonstrate how AI and ML can be leveraged to optimize resource management.*
- *Expose participants to geospatial technologies, such as GIS and Remote Sensing, for resource mapping, monitoring, and planning.*
- *Encourage the use of data analytics and predictive modeling to make informed decisions in resource management.*
- *Provide hands-on training and case studies to develop practical skills and knowledge in applying AI/ ML and geospatial technologies for sustainable resource management.*

Course Outcomes

- *Participants will gain an understanding of the principles and practices of sustainable resource management and their importance in achieving the UN's Sustainable Development Goals (SDGs).*
- *Participants will develop skills in applying Artificial Intelligence (AI) and Machine Learning (ML) technologies to optimize resource management practices.*
- *Participants will learn how to effectively use Geographic Information Systems (GIS) and remote sensing technologies for resource mapping, monitoring, and planning.*
- *Participants will enhance their ability to use data analytics and predictive modelling to make informed decisions related to resource management and sustainability.*
- *Participants will gain hands-on experience and practical skills in applying AI/ML and geospatial technologies for sustainable resource management in real-world scenarios.*

How to Make Payment ?

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

Details :

For Online Transfer :

- Bank Name : **State Bank of India**
- Account Name : **IIT Guwahati R and D E and ICT Academy**
- Account No. : **36071160089**
- IFSC Code : **SBIN0014262**
- Bank Name : **State Bank of India**

Rs. 500/- (Inclusive of GST)
Mode of Payment : Online Only (NEFT/ RTGS/ IMPS)

Registration fees include E&ICT Academy kit bag, stationeries, evaluation and certificate of completion.

Website : https://eict.iitg.ac.in

Activities

Project & Assignments :

Participants will be given hands-on practice during all sessions wherever applicable.

How to Apply ?

Online : The participants may log on to the E&ICT Academy, IIT Guwahati Website : https://eict.iitg.ac.in/index_course_categorycate=em9DWXhJ9TVkRkdXMUh9T0dtSjkz9T09

Scan the QR for Registration

Click Here for Registration

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