

A Brief Report on Two Week Professional Development Program On “Recent Trends in Green Technology for Sustainable Life” Organized by Department of Electrical Engineering, Integral university

1 message

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A Brief Report on Two Week Professional Development Program On “Recent Trends in Green Technology for Sustainable Life” Organized by Department of Electrical Engineering, Integral university, Lucknow, from 2nd November 2021 to 16th November 2021

Dear All

Department of Electrical Engineering, Integral University Lucknow organized a Two Week Professional Development Program on “Recent Trends in Green Technology for Sustainable Life” from 2nd November 2021 to 16th November 2021. The course was designed to enhance the professional knowledge and skill of Faculty Members, Teaching Supporting Staff and Research Scholars in the field of Green Technology and its Applications. A number of participants from various disciplines and institutes all over India registered in the course. The course was successfully organized by Dr. Ahmad Faiz Minai, Mr. Faizan Arif Khan and Mr. Mohammad Atif Siddiqui, all Faculty Members from the Department of Electrical Engineering, Integral University, Lucknow. Mr. Mohd. Nazim and Mr. Md Hanzala Hasan, were Student Coordinators from B.Tech. IV Year, Electrical Engineering Department, Integral University, Lucknow.

The Inaugural Session was held on 02.11.2021 started with the welcome address by Dr. Monauwer Alam, Head and Associate Professor, Electrical Engineering Department, Integral University, Lucknow, who emphasized the relevance of this programme to the participants. There were daily interactive sessions with assignments and quizzes. Each session was delivered by a renowned resource person of his field followed by discussion and question answer sessions with the participants. The Sessions were addressed by the following resource persons starting from 2nd to 16th November, 2021

INTEGRAL UNIVERSITY
LUCKNOW - INDIA























Celebrating **23** years of EXCELLENCE

Professional Development Program on RECENT TRENDS IN Green Technology for Sustainable Life

Organized by
Department of Electrical Engg,
Integral University, Lucknow
2nd - 16th November, 2021

Program Schedule

Date	Day	Session 1 (10:30 AM-12:30PM)	12:30PM-1:00PM	Session 2 (02:00 PM-04:00PM)	4:00PM-04:30PM	
02/11/21	Tuesday	Inaugural Session (10:00AM-10:30 AM)				
Module Moderator: Mr. Prabhat Ranjan Sarkar, Mr. Mohd Nazim, Mr. Md. Hanzala Hassan						
02/11/21	Tuesday	Module 1 (Quiz-1, Assignment-1)	 Dr. Asif Khan, CA, IU Topic: Internet of Things based Garbage Monitoring System	Discussion & Question Answer	 Dr. Monauwer Alam, EE, IU Topic: Smart Grid technology as a renewable energy source	Discussion & Question Answer
03/11/21	Wednesday		 Dr. Ahmad Faiz Minai, EE, IU Topic: Importance of Energy Conservation and Management for Sustainable Life	Discussion & Question Answer	 Prof. Mohammad Arifuddin Mallick, EE, IU Topic: Global Warming, climate change, policies and its impact.	Discussion & Question Answer
04/11/21	Thursday		 Dr. Mohd Khurshed, EE, IU Topic: Micro Grid: A green solution for sustainable power supply	Discussion & Question Answer	 Dr. Mirza Mohammad Shadab, EE, IU Topic: Smart Grid Technology as a Renewable Energy Source	Discussion & Question Answer
05/11/21	Friday		 Dr. Asif Jamil Ansari, EE, IU Topic: Industrial Applications of IoT: A step towards Green Technology	Discussion & Question Answer	 Mr. Mohammad Atif Siddiqui, EE, IU Topic: Controller design for maximum power point tracking system.	Discussion & Question Answer

06/11/21	Saturday	Module 2 (Quiz-2, Assignment-2)	 Mr. Isarar Ahamad , EE, IU Topic: Modulation and control of Multilevel Inverter for Solar PV Applications	Discussion & Question Answer	 Dr. Mohammed Aslam Husain , REC, Ambedkar Nagar, Topic: Advances in Solar PV GMPPT Techniques	Discussion & Question Answer
07/11/21	Sunday		 Dr. Ambarisha Mishra , EE, NIT Patna, Topic: Electric Drives and its Applications for Sustainable Development	Discussion & Question Answer	 Dr. Ahmad Neyaz Khan , CA, IU Topic: Applications of AI in Electrical and Computer Engineering for Sustainable Life	Discussion & Question Answer
08/11/21	Monday		 Mr. Faraz Arif , Design Engg. & CNC Programmer, AEC, UPSIDC, BBK Topic: IoT Based Industrial Applications	Discussion & Question Answer	 Dr. Mohammed Asim , EE, IU Topic: Design And Comparative Study of Maximum Power Point Tracking PV Systems Operating Under Changing Atmosphere Conditions	Discussion & Question Answer
09/11/21	Tuesday		 Dr. Ahmad Neyaz Khan , CA, IU Topic: Computational Intelligence for Green Computing	Discussion & Question Answer	 Dr. Mohammad Arifuddin Mallick EE, IU Topic: Green Transportation	Discussion & Question Answer
Module Moderator: Mrs. Ambreen Siddiqui, Mr. Mohd Nazim, Mr. Md. Hanzala Hassan						
10/11/21	Wednesday	Module 3 (Quiz-3, Assignment-3)	 Dr. Mohammed Aslam Husain , REC, Ambedkar Nagar Topic: Effect of Partial Shading on PV Panels and Their Solutions Schemes	Discussion & Question Answer	 Dr. Asif Khan , CA, IU Topic: Engineering the Next Wave of Machine Learning in Green Computing	Discussion & Question Answer
11/11/21	Thursday		 Mr. Mohammad Atif Siddiqui , EE, IU Topic: Controller design for unstable model of wind turbine system	Discussion & Question Answer	 Dr. Mohammed Asim , EE, IU Topic: Controller Design for Load Frequency Control for Multi Area Interconnected Power System	Discussion & Question Answer
12/11/21	Friday		 Mr. Isarar Ahamad , EE, IU Topic: Combined Economic Emission Dispatch of Thermal Solar Power Generation Systems	Discussion & Question Answer	 Dr. Asif Jamil Ansari , EE, IU Topic: Artificial Intelligence A Step Towards Green Technology	Discussion & Question Answer
13/11/21	Saturday		 Dr. Ahmad Faiz Minai , EE, IU Topic: Introduction, Architecture and Applications of IoT in Green Technology for Sustainable Life	Discussion & Question Answer	 Mr. Akhlaque Ahmad Khan , EE, IU Topic: Energy Demand Modeling for Sustainable Development	Discussion & Question Answer
Module Moderator: Mr. Akhlaque Ahmad Khan, Mr. Mohd Nazim, Mr. Md. Hanzala Hassan						
14/11/21	Sunday	Module 4 (Quiz-4, Assignment-4)	 Mr. Faraz Arif , Design Engg. & CNC Programmer, AEC, UPSIDC, BBK Topic: Industry 4.0	Discussion & Question Answer	 Mr. Prabhat Ranjan Sarkar , EE, IU Topic: Renewable Power for Sustainable Development	Discussion & Question Answer
15/11/21	Monday		 Dr. Ambarisha Mishra , EE, NIT Patna Topic: Application of Power Electronics in Recent Green Technology	Discussion & Question Answer	 Dr. Mohd Khurshed , EE, IU Topic: DC Micro grid: recent trends, challenges and solution	Discussion & Question Answer
16/11/21	Tuesday		 Dr. Mirza Mohammad Shadab , EE, IU Topic: Solar PV Based Grid Tied Inverter	Discussion & Question Answer	 Mr. Faizan Arif Khan , EE, IU Topic: Energy Management in Industrial Applications	Discussion & Question Answer
16/11/21	Tuesday		Valedictory Session (04:30PM-05:00 PM)			

The participants attended the training with dedication. The Program marked its end with the Valedictory Session held on 16.11.2021. The distribution of e-Certificate was based on student's attendance, submitted assignments and performance in the quizzes.

Key highlights of the training

- Total 70 participants from various disciplines and institutes from all over India registered for the course.
- Active Engagement: 100 Hrs
- 52 participants successfully completed the course and received an e-Certificate.

Training Accorded:

- Knowledge of basics of green technologies, battery charging via Sustainable/renewable energy systems, batteries energy management, converters for the design of green energy systems like solar, biofuel, etc. along with analysis and control of electric vehicle, Solar, Biofuel technologies
- Knowledge of recent trends in green technology researches and its effect on the energy efficiency of the system along with the impact on environment
- Application of advance soft computing techniques to latest researches in green technology

Glimpses of the Two Week Professional Development Program:

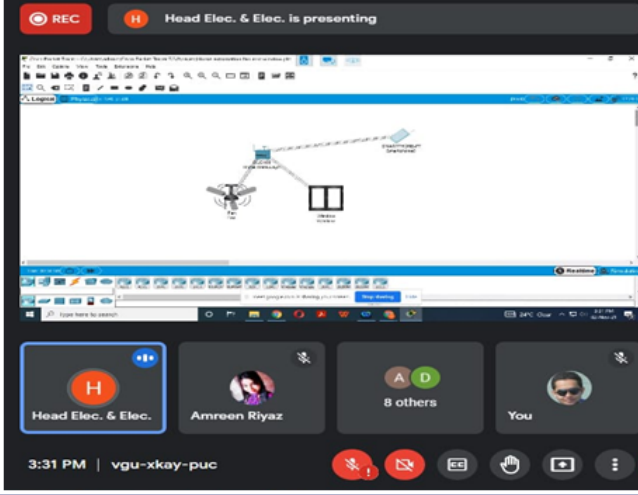

Inaugural Session
Professional Development Program
 on
Recent trends in Green Technology for Sustainable Life
 2nd to 16th November, 2021
 Organized by
 Department of Electrical Engineering
 Integral University, Lucknow

Coordinators : Dr. A. F. Minai, Mr. M. A. Siddiqui, Mr. F. A. Khan
 Contacts: afminai@iul.ac.in, fars@iul.ac.in, atf@siddiqui@iul.ac.in
 Student Coordinators: M. Nazim, M. Hanzala



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INSPIRING EXCELLENCE

Certificate of Participation
 SUEED-PPDP

Date: _____ This is to certify that Prof./Dr./Er. _____ has participated in a Two Week **Professional Development Program (PDP)** on **RECENT TRENDS IN GREEN TECHNOLOGY FOR SUSTAINABLE LIFE** conducted during 2nd -16th November 2021 Organized by Department of Electrical Engineering Faculty of Engineering (Place to face assessment-75 hrs & Online active engagement-24hrs)

 Prof. Mohd. Arifuddin Mallick
 Head, Dept. of Electrical Engineering
 Integral University, Lucknow

 Dr. M. Alam
 Head, Dept. of Electrical Engineering
 Integral University, Lucknow

 Prof. (Dr.) Syed Mubashul Hasan
 Head, Dept. of Electrical Engineering
 Integral University, Lucknow

Dr. Monauwer Alam
 Head, Electrical Engg. Deptt.
 Integral University, Lucknow