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**SANAKA  
EDUCATIONAL  
TRUST'S GROUP OF  
INSTITUTIONS**

**International  
Faculty Development Program  
(Online Mode)**

**SMART AND  
SUSTAINABLE SYSTEMS  
WITH FUTURISTIC  
APPROACHES**

**September 08 - 12, 2025**

**Organized by**

**Department of Electrical Engineering**

**Sanaka Educational Trust's Group of Institutions**

**Malandighi, Durgapur, 713212**



<https://icampus.setgoi.ac.in/>

**About SETGOI:**

Sanaka Educational Trust's Group of Institutions (SETGOI) – Spanning 51 acres in the serene setting of Malandighi, Durgapur, SETGOI is a premier destination for higher education, offering AICTE-approved, MAKAUT-affiliated programs in B.Tech., B.Arch., and B.Pharm. With state-of-the-art infrastructure, distinguished faculty, and an industry-driven curriculum, SETGOI blends academic rigor with real-world relevance.

**Vision:**

To emerge as a centre of higher learning, fostering a mutually beneficial relationship between professional competency and human values.

**Mission:**

- To imbibe the outcome-based education system for continuous development of professional, social and ethical skills.
- To engage in research and innovation pertaining to the environmental concerns and societal needs.
- To forge collaborations with industries, academia of repute, research centres, and professional bodies to stay relevant and contemporary.



## 5 Days FDP on

# SMART AND SUSTAINABLE SYSTEMS WITH FUTURISTIC APPROACHES

Sl. No	Name of the Speaker	Topics	Schedule
1	<b>Dr. Rasha Subhi Hameed</b> Assistant Professor Department of Computer Science, University of Diyala, Diyala, <b>IRAQ</b> 32001	Securing the Future: Cybersecurity Innovations for a Sustainable World	08.09.2025 (Monday) Time: 2:30 PM- 3:30 PM
2	<b>Dr. Rajib Banerjee</b> Associate Professor & Associate Dean School of Computer Science, (SoCS) UPES, Dehradun, INDIA 248007	Sustainable IoT and integration with AI	09.09.2025 (Tuesday) Time: 1:30 PM- 2:30 PM
3	<b>Dr. Shekhar Bhawal</b> Sr. R&D Engineer Delta Energy System Coesterweg, <b>GERMANY</b> 4559494	The Role of Solid-State Transformer in Integrating Renewable Energy Sources Into Medium Voltage Grid For Enhanced Sustainability	10.09.2025 (Wednesday) Time: 2:30 PM- 3:30 PM
4	<b>Prof. (Dr.) Provas Kumar Roy</b> Professor Department: -Electrical Engineering Kalyani Government Engineering College Kalyani, INDIA 741235	Integration of Renewable Energy source in Power System for Sustainable Development	11.09.2025 (Thursday) Time: 2:30 PM- 3:30 PM
5	<b>Dr. Swaraj Banerjee</b> Assistant Professor Department: -Electrical & Electronics Engineering NIT Nagaland Nagaland, INDIA 797 103	Solar-Integrated Electric Vehicles for Sustainable Transport	12.09.2025 (Friday) Time: 2:30 PM- 3:30 PM

### About the FDP:

The **Five-Days International Faculty Development Program (FDP)** on “*Smart and Sustainable Systems with Futuristic Approaches*” aims to provide participants with a comprehensive understanding of emerging trends, technologies, and practices that are shaping the future of smart and sustainable systems. This program will bring together experts from academia, research, and industry to share insights on advanced methodologies, innovative solutions, and interdisciplinary approaches in the fields of electrical engineering, automation, renewable energy, intelligent control systems, and sustainable infrastructure. The FDP is designed to foster knowledge exchange, encourage collaborative research, and enhance teaching methodologies along with technological advancements.

### Objectives:

The FDP aims to equip participants with advanced knowledge and skills in smart and sustainable system design, integrating emerging technologies such as renewable energy solutions, IoT, smart grids, and intelligent control systems. It seeks to bridge the gap between academic research and industrial applications while fostering interdisciplinary collaboration to address future sustainability challenges.

### Outcomes:

Participants will gain the ability to apply futuristic approaches in developing energy-efficient and intelligent systems, integrate modern tools into teaching and research, and identify opportunities for innovation and collaboration in sustainable technology domains.

**SCAN ME**



### Registration Link:

<https://forms.gle/XNdeb4x9QwSjnvuN7>

### Registration:

- No Registration Fee.
- Faculty / Ph. D Scholars /Students of relevant disciplines are eligible to attend the program.
- Registration will be done on First Come First Serve basis.

### Participation Certificate:

Certificates will be issued based on the attendance percentage, test score and submission of feedback.

