SANAKA EDUCATIONAL TRUST'S GROUP OF INSTITUTIONS
(FORMERLY KNOWN AS INSTITUTE OF ENGINEERING & INDUSTRIAL TECHNOLOGY)
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Event Report

"Innovative Minds: An Initiative to Promote Research Culture-Day 2"

Date of the Event: 27th August of 2024.

Time Duration: 3:00 PM-5:00 PM

Place of the Event: Smart Classroom

Event Overview: Today marked the second day of the Innovative Minds event, a platform designed to foster collaboration and innovation among our faculty. The session began with each faculty member delivering a concise yet insightful overview of their ongoing research projects, highlighting both completed work and current endeavors. In addition, they shared the emerging trends and topics that have captured their interest and are shaping their future research directions. The following research domain is collectively found out through the event.

Research areas of faculties:

1. **Dr. Nirmalya Mallick:** Dr. Mallick's research primarily focuses on the application of Custom Power Devices to enhance the quality of voltage in power system networks.

2. **Dr. Ranadip Roy:** Dr. Roy specializes in advanced analytical methods within the power system domain. He has also filed several patents, in interdisciplinary domain also, contributing significantly to this field.
3. **Dr. Dibyendu Sen:** Dr. Sen's research interests lie in developing control techniques for managing various variables in distributed systems, particularly those involving multi-input converters.
4. **Mr. Sandeep Kumar Das:** Mr. Das focuses on optimization and soft computing techniques to solve demand-side and source-side optimal scheduling of Distributed Generation (DG) in both islanded and grid-connected modes of operation in complex power system networks.
5. **Mr. Himadri Sekhar Chatterjee:** Mr. Chatterjee is particularly interested in the operation of asynchronous and synchronous generators under balanced and unbalanced load conditions, specifically in hydel-based power generation in remote areas.
6. **Mr. Siddhartha Chakraborty:** Mr. Chakraborty's research is centered around the optimal operation of micro-grid systems.
7. **Mr. Chinmoy Chakraborty:** Mr. Chakraborty's research explores both conventional and cutting-edge algorithms to address various aspects of power system analysis.
8. **Mr. Samit Changder:** Mr. Changder's primary research area involves the study of nonlinear dynamics within the control systems domain.
9. **Mr. Amit Mondal:** Mr. Mondal's research focuses on image processing, which is his primary area of interest.

Event Outcome:

Following are the outcomes of the event

- **All the faculties introduce their own research areas.**
- **Identification of Collaborative Opportunities:** Highlight potential interdisciplinary research collaborations that were identified during the session, leveraging the faculty's understanding of each other's expertise.
- **Recommendations for Future Sessions**

Moments of the day:

Report is prepared by: Dr. Nirmalya Mallick and Dr. Dibyendu Sen