



Six Days Online Faculty Development Program

from  
24<sup>th</sup> to 29<sup>th</sup> April 2023  
on

## Recent Advancement in Renewable Energy Technologies and Systems



Organized by:

**Department of Electrical Engineering**  
**Swami Vivekananda School of Diploma**  
(A Unit of Sanaka Educational Trust)  
Malandighi, Durgapur-12  
Approved and Affiliated  
By  
AICTE and WBSCT&VE&SD

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*Honorable Principal, SVSD*  
Mr. Sudip Kr. Bid  
*Honorable H.O.D(EE), SVSD*

### Convenor:

Mrs. Priyanka Dutta  
*Sr. Lecturer, EE Department*

### Joint-Convenor:

Mr. Tapas Kumar Benia  
*Sr. Lecturer, EE Department*

### Coordinator:

Mr. Sujan Banerjee  
*Lecturer, EE Department*  
Ms. Sneha Adhikari  
*Lecturer, CE Department*

### Organizing Committee:

Mr. Kailash Bauri  
*Lecturer, EE Department*  
Mr. Debabrata Sarkhel  
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Mr. Biswajit Gorai  
*Lab. Inst., ME Department*

### Contact Person:

Mr. Sujan Banerjee  
*Lecturer, EE Department, SVSD*  
Ph. No.- 8670210210  
Ms. Sneha Adhikari  
*Lecturer, CE Department, SVSD*  
Ph. No.- 8371987094

### CERTIFICATE:

E- Certificate will be issued to all the participants.

### REGISTRATION FEE

NOT APPLICABLE

### HOW TO REGISTER

Click the Link below for registration

<https://forms.gle/e8dayvwHo1MAphJ28>



### LAST DATE FOR REGISTRATION:

22<sup>nd</sup> April 2023 (Midnight)

N.B.-

- e-Certificate to ISTE Life Members will be issued by ISTE office.
- Operational and processing fee of Rs. 100 +18% GST (Total Rs. 118/-) will be charged per participant (only for ISTE Life Members). Please attach payment proof in the registration form.
- Payment Details

NAME: SANAKA EDUCATIONAL TRUST

BANK NAME: STATE BANK OF INDIA

BRANCH: MALANDIGHI, DURGAPUR-713212

A/C.NO.: 41356804445, IFSC: SBIN0014068

## Objective of the program

Faculty development programs are crucial for academic institutions to enhance the academic skills of their faculty members. These programs provide opportunities for faculty members to update their knowledge and skills in their respective fields of study and stay relevant to students.

Renewable energy is the future of energy consumption in the world, and this program is aimed at educating faculty members on the latest technologies and systems in this field. Through participating in faculty development programs, educators can improve their teaching, research, and service activities, which in turn improves the educational experience for students.

## About Swami Vivekananda School of Diploma

Swami Vivekananda School of Diploma, Durgapur was established under the aegis of "Sanaka Educational Trust" in 2012 with an objective of imparting quality education in Engineering/Technology and Management for uplifting the society and the country. From the inception of the college, Department of Electrical Engineering is functioning as a basic Engineering Department to cater courses for first year Diploma only. In 2015 this department is upgraded to Degree Awarding Department and continuing in imparting quality education in Electrical Engineering.

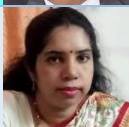
## About Department of Electrical Engineering

Electrical Engineering Department is a well blend in members of the faculty who have good industrial / research / teaching experience in different fields. Laboratories and Workshops are well equipped with modern facilities to provide an enabling environment to facilitate students to excel in industries and professional institutes.

## **Resource Persons**



**Dr. D.P. Kothari**  
(Honorary Adjunct Professor, EE, VNIT)



**Dr. Debasree Saha**  
(Associate Professor, EE, GNIT)



**Dr. Dola Sinha**  
(Associate Professor, EE, Dr. B.C. Roy Engineering College)



**Dr. Abhisek Pal**  
(Associate Professor, EIE, Thapar Institute of Engineering and Technology, TIET)



**Dr. Nirmalya Mallick**  
(Assistant Professor, HOD, EE, SETGOI)



**Dr. Barnali Kundu**  
(Associate Professor, HOD, EE, GNIT)



**Dr. Mrinal Kanti Sarkar**  
(Assistant Professor, EE, NIT, Jamshedpur)



**Dr. Aavek Chattopadhyay**  
(Assistant Professor, EE, GNIT)



**Dr. Mukesh Kumar**  
(Assistant Professor, EE, Punjab Engineering College)



**Dr. Arnab Ghosh**  
(Assistant Professor, EE, NIT, Rourkela)

## **Program Schedule**

<b>Session-I (11:00 AM -12:30 PM)</b>	<b>Session-II (2:30 PM - 4:00 PM)</b>
<b>24-04-2023 (MONDAY)</b>	
"Energy And Environment Problems Facing The Third World And Their Probable Solutions For Sustainable Development". <b>Dr. D.P. Kothari</b>	"Advanced Protection Schemes For Renewable Energy Source-Based Systems." <b>Dr. Debasree Saha</b>
<b>25-04-2023 (TUESDAY)</b>	
"Advancement Of High Frequency Induction Heating-Induction Cooker And Hyperthermia". <b>Dr. Dola Sinha</b>	"EV motors and it's control topologies" <b>Dr. Abhisek Pal</b>
<b>26-04-2023 (WEDNESDAY)</b>	
"Renewable Energy: Opportunities & Challenges". <b>Dr. Nirmalya Mallick</b>	"Renewable Energy: Opportunities & Challenges". <b>Dr. Nirmalya Mallick</b>
<b>27-04-2023 (THURSDAY)</b>	
"Modelling Of Power Electronics Converters For Renewable Energy Sources Using PSIM Software". <b>Dr. Barnali Kundu</b>	"Sliding Mode Controller Design for MIMO DC-DC Converter". <b>Dr. Mrinal Kanti Sarkar</b>
<b>28-04-2023 (FRIDAY)</b>	
"Motor Modelling, Unbalance Study & Transient Analysis In ETAP". <b>Dr. Aavek Chattopadhyay</b>	"Motor Modelling, Unbalance Study & Transient Analysis In ETAP". <b>Dr. Aavek Chattopadhyay</b>
<b>29-04-2023 (SATURDAY)</b>	
"Sensor Less Speed Control Of Brushless Doubly Fed Reluctance Machine Drive For Wind Power Generation". <b>Dr. Mukesh Kumar</b>	"Design Of Switching Converters & Power Management For Microgrid Application". <b>Dr. Arnab Ghosh</b>