

SREEDIP GHOSH



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OBJECTIVE:

Looking forward to build my career in teaching by utilizing all opportunities to implement my skills and knowledge in order to educate young engineers studying in your prestigious institution.

PROFILE SUMMARY:

- **Currently pursuing PhD from Amity University , Greater Noida on “Energy management and control of PV based integrated renewable energy system”.from January 2019 till date.**
- An enthusiastic fresher with highly motivated and leadership skills having Master of Technology in Power Electronics and Drives(PED) from VIT University ,**Vellore (Ranked the best Private University in India by MHRD in 2017)**.
- Expert in implementing each step of the project.
- Eager to learn new technologies and methodologies.
- Always willing to innovate in the electric field which can improve the existing technology.

TEACHING EXPERIENCE:

- **Currently working in RERF (KOLKATA) , affiliated to MAKAUT from 4th AUGUST 2023 till date.**
- Worked in SSWCOE , SOLAPUR , affiliated to DBATU from 1ST AUGUST 2022 till 15th july 2023.
- Worked in shankara group of institutions (kukkas) , Jaipur affiliated to RTU from 20th SEPTEMBER 2021 till 30TH AUGUST 2022..
- Worked in **Galgotia engineering college** at Greater Noida (UP) as Assistant Professor in the department of Electrical Engineering for **two and half years**.

Other responsibilities include working on NBA (National board of accreditation) work for the department.

Mentoring students for their career.

- Worked at **T.I.M.E (Triumphant Institute of Management Education Pvt. Ltd.)** ,Vellore, Tamil Nadu which is India's leading test-prep institute with a pan-India presence since September 2016.

EDUCATIONAL QUALIFICATION:

- Currently pursuing **part time PhD Amity University**, Noida, DELHI (2019 january onwards)
- **Master of Engineering** in Power Electronics and Drives (M.Tech Full Time) at VIT University, Vellore Campus, Vellore.
- **Bachelor of Engineering** in Electrical Engineering(B.Tech Full time) from St. Thomas College of Engineering &Technology, affiliated to West Bengal University of Technology Kolkata.
- Completed 12th from North Point Senior Secondary Boarding School (C.B.S.E.) .
- Completed 10th from B.D.Memorial International School (C.B.S.E.).

PHD PAPERS PUBLISHED:

- Dr. Bedatri Moulik, Sreedip Ghosh,H.P.Singh “**MHT – LSTM BASED POWER TRANSMISSION BY CONSIDERING ENERGY MANAGEMENT AND COST REDUCTION**” – **CIEC2024 CONFERENCE.**

- Dr. Bedatri Moulik, Sreedip Ghosh,H.P.Singh “AN EFFICIENT ENERGY MANAGEMENT AND EV CHARGE SCHEDULING BY BEDNN TCM POA APPROACHES”- **JOURNAL OF ENERGY SYSTEMS**
- Dr. Bedatri Moulik, Sreedip Ghosh,H.P.Singh “AN HYBRID ALGORITHM FOR SCHEDULING AND OPTIMIZATION OF ENERGY MANAGEMENT BETWEEN SOLAR PV AND ELECTRIC VEHICLE CHARGING”- **JOURNAL OF ENERGY SYSTEMS**
- Dr. Bedatri Moulik, Sreedip Ghosh,H.P.Singh “AN ENHANCED ELECTRIC VEHICLE CHARGE SCHEDULING USING BOOST CONVERTER AND OPTIMAL MPPT ALGORITHM” – **JOURNAL OF SMART GRID AND SUSTAINABLE ENERGY.**
- Dr. Bedatri Moulik, Sreedip Ghosh,H.P.Singh “AN EFFICIENT MODEL FOR ELECTRIC VEHICLE CHARGE SCHEDULING BASED ON RENEWABLE SOURCES” – **JOURNAL OF SMART GRID AND SUSTAINABLE ENERGY.**
- Dr. Bedatri Moulik, Sreedip Ghosh,H.P.Singh “DROOP CONTROL METHOD OF ENERGY SCHEDULING MECHANISM FOR GRID TIED SOLAR PV SYSTEM OF ELECTRIC VEHICLE”, **IEMPOWER CONFERENCE 2021 .**
- Dr.Bedatri Moulik , Sreedip Ghosh,H.P.Singh “COORDINATED CONVERTER-INVERTER PI BASED GRID TIED PHOTOVOLTAIC SYSTEM”, **IEEE SPONSORED 6TH INTERNATIONAL CONFERENCE FOR CONVERGENCE IN TECHNOLOGY (I2CT), PUNE , MAHARASHTRA.**
- Vijayapriya P , Sreedip Ghosh , Kowsalya M. “INTERNET OF THINGS (IOT) APPLICATION FOR SMART GRID” IN **INTERNATIONAL JOURNAL OF PURE AND APPLIED MATHEMATICS**”, in 2018. Impact factor 0.322 (SCOPUS INDEXED) .
- Vijayapriya P , Sreedip Ghosh , Kowsalya M. “INTERNET OF THINGS (IOT) APPLICATION FOR SMART GRID” in **PROCEEDINGS OF GLOBAL CONFERENCE ON ADVANCES IN SCIENCE, TECHNOLOGY AND MANAGEMENT**, January 8-11, 2017.

- Vijayapriya P , Sreedip Ghosh , Kowsalya M. “**IOT APPLICATION ON SMART FOR SMART HOME ”- TO BE COMMUNICATED.**

SKILLS ACQUIRED :

Domain Knowledge: Electrical and Electronics field, Microsoft Office.

- Computer Language Basics in “C”, Data Structures , 8085 , 8086 , ARM , DSP processors .
- Tools MATLAB, PSIM , VISIO , ORCAD.

ACADEMIC PROJECTS :

B.TECH PROJECTS.

- Simulation and hardware of 1 phase full wave inverter using MOSFET driven by Integrated Circuits. - Here the full wave inverter is designed by MOSFETS with a dc source of battery and is triggered by using integrated circuits with our desired firing angle.

M.TECH PROJECTS.

- Simulation of multi-cell multi-level inverter – Here we are using multilevel configurations for reducing THD , and to get proper sine wave.
- Simulation of hybrid cascade multilevel inverter – Here we are cascading normal switch pulse inverter with SPWM switch pulse inverter for reducing the number of input DC sources.
- Master thesis on design of solar panel converter for domestic and distribution grid applications.

ACHIEVEMENTS:

IN PLANT TRAINING :

Done training in WBSETCL 220 KV Substation in DaneshShek Lane, Howrah , West Bengal ,

India.

CO - CURRICULAR ACTIVITIES:

- Participated in a Seminar on “HVDC” held at St.Thomas College of Engineering & Technology, Kolkata, affiliated to West Bengal University of Technology (October 2011)
- Actively participated in a seminar on “Industrial Drives ”organized by the Danfoss Company in Vellore(April 2015)

KNOWLEDGE OF THE RESPONSIBILITIES OF A FACULTY :

- Lesson planning, preparation and research
- Contact/teaching time with pupils
- Checking and assessing pupils' work
- Encouraging personal development via tutorial/pastoral work
- Invigilating examinations
- Arranging work experience placements
- Attending staff meetings
- Liaising with other professionals/employers

KEY SKILLS :

- Teaching as a passion
- Motivate students
- Mentor students
- Believe in student centered teaching
- Ability to work well with a range of people
- Organisation skills
- Teamwork
- Expertise in a particular subject area or areas
- Excellent written and verbal communication skills
- Excellent presentation skills

PERSONAL STRENGTH:

- Comprehensive Problem Solving.
- Ability to deal with people diplomatically
- Willingness to learn new technology.
- Excellent analytical capabilities, self-motivated, quick learner

PERSONAL DETAILS :

Date of Birth : 16th Oct 1990.
Age in years : 30 years
Marital Status : Single
Nationality : Indian
Language known : English , Hindi & Bengali.
Father's name : Pradip Kumar Ghosh
Father's occupation : Health Service

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DECLARATION:

I hereby declare that the above mentioned information are true to the best of my knowledge.

(SREEDIP GHOSH)