

Dr. SUDIP DAS

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PROFILE SNAPSHOT

- ☞ Associate with “Swami Vivekananda University” as **Associate Professor & Head of the Department** in ECE.
- ☞ **14 years** serving in the **Teaching Profession**.
- ☞ Also served nearly **6 years** in **Industry** as **Senior Manager** (Operation and Maintenance).
- ☞ **PhD in Electrical Engineering** from **Maulana Abul Kalam Azad University of Technology (MAKAUT)**, formerly known as **West Bengal University of Technology (WBUT)**, West Bengal.
- ☞ **Specialization in Power Electronics, Electric Drives, Renewable Energy, Automation (PLC, SCADA, IoT).**

PROFESSIONAL SCAN

Working from January 2025 with “Swami Vivekananda University” as Associate Professor & Head of Department in Electronics and Communication Engineering.

Worked from March 2011 to December 2024 with “JIS College of Engineering” Block ‘A’, Phase-III, Kalyani, Nadia, Pin-741235, West Bengal, India as “Asst. Professor” in the Electrical Engineering Department.

Key Deliverables:

- Conducted the subject lectures specially (**Power Electronics, Electrical Drives, Industrial Automation, Energy Management & Audit, Utilization of Power, Non-Conventional Energy, Power Plant Engineering, Circuit Theory, Basic Electrical, etc.**) regularly, keeping an eye on the understanding of the students.
 - Conducted Class with a combination of **Blended Learning** and **Flip Learning** Teaching Methodology.
 - Carried out practical sessions with explanations about the purpose of the experiment and the procedures that follow to seek results.
 - Industrial Visit & Training conducted as **Industry–Institute Relation In-Charge** (Departmental).
 - As **Nodal Officer** of Institutional Swami Vivekananda Scholarship.
 - Criteria In-charge of **NBA, NAAC, NIRF** of Institution.
 - Carried out debate sessions in regular classes to help students understand the subject better.
 - Arranged expert meets for students on a periodic basis to create an interest in the subject.
 - Encouraged students to build committees among themselves.
 - Provided students with information outside the classroom such as the future prospects in the subject, the competitive exams, etc.
- # **From March 2010 to February 2011 with Fresenius Kabi Oncology Ltd., (Formerly Dabur Pharma Ltd) D-35, Industrial Area, Kalyani, Dist. Nadia-741235, West Bengal, India as" Senior Manager (Engineering)".**

Key Deliverables:

- ☒ Preparation of the instruction for describing the procedure for preventive maintenance, breakdown maintenance, and standard operating procedures.
 - ☒ Evaluating any change in equipment, or machinery.
 - ☒ Smooth operation of all utilities like water, HVAC, Boiler, compressed Air etc.
 - ☒ Maintaining HV, LV Line including Transformer, Circuit Breaker (OCB, ACB, VCB), Relay, Panel etc.
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Form May 2007 to March 2010 with Kesoram Rayon Industries Ltd., Tribeni, Hooghly, W.B. (Part of B.K.Birla Group of Companies) as Assistant Electrical Engineer

Key Deliverables:

- ☞ Maintaining the overall 6 MW Power Plant (including 40 Tons FBC Boiler, Turbine, Coal Handling Plant, Ash Handling Plant, Cooling Tower Plant etc).
- ☞ Operating & controlling DCS System and also maintaining PLC Systems.
- # May 2006 to April 2007 with Hooghly Mills Project Ltd., (Unit - “Hukumchand Jute Mill”) as Assistant Electrical Engineer
- # March 2005 to April 2006 with “Hooghly Institute of Technology” (HIT), (Government of West Bengal) as ‘Lecturer’
- # May 2004 to January 2005 with Castrol India Ltd as 'FMR'.

SCHOLASTICS

- ☞ **PhD in Electrical Engineering** from Maulana Abul Kalam Azad University of Technology (MAKAUT), West Bengal in 2024.
- ☞ **M.E. (Power Engineering)** from Jadavpur University in 2008 with 73.5% marks.
- ☞ **B.Tech. (Electrical Engineering)** from University of Kalyani in 2004 with 78% marks.
- ☞ **Diploma in Electrical Engineering** from W.B.S.C.T.E. in 2000 with 73% marks.
- ☞ 10th from W.B.B.S.E. in 1997 with 80% marks.
- ☞ Advance Course in **PLC SCADA DRIVE Control & Automation** from **IIATCA (Institute for Energy and Automation Engineering, India)**.
- ❖ **International Journal/Conference Paper Published**
- ☞ International Journal paper accepted in “**Engineering Review**” (SCOPUS) August 2024.
- ☞ International Journal published in “Multimedia Tools and Applications” **Springer, (SCI)** 1-36, January 2023.
- ☞ International Journal published in “**IEEE Transactions on Circuits and Systems II: Express Briefs**” (SCI) 69 (3), 1517-1521, 2021.
- ☞ International Journal published in “Proceedings of Engineering and Technology Innovation” (SCOPUS) March 2023.
- ☞ International Journal published in “Engineering Review” (SCOPUS) August 2023.
- ☞ International Journal published in “AIP Conference Proceedings” (SCOPUS) October 2023
- ☞ International Journal published in “International Journal of Computing and Digital Systems” (SCOPUS) 12 (1), 687-706, 2022.
- ☞ International Journal published in “Journal of Physics: Conference Series” (SCOPUS) 2286 (1), 012016, 2022.
- ☞ International Journal published in “Journal of Physics: Conference Series” (SCOPUS) 2286 (1), 012004, 2022
- ☞ International Journal published in “Journal of Physics: Conference Series” (SCOPUS) 1797 (1), 012049, 2021
- ☞ International Journal published in “Proceedings of Industry Interactive Innovations in Science” 2020
- ☞ International Journal published in “PalArch's Journal of Archaeology of Egypt/Egyptology” (SCOPUS) 17 (7), 13433-13454, 2020
- ☞ International Journal published in “J Indian Med Assoc” (SCOPUS) 117, 18-24, 2019.
- ☞ International Journal published in “International Journal of Engineering Research and Science 3 (5), 15-19, 2017
- ☞ International Journal published in “International Journal of Advanced Engineering, Management and Science” 3 (5), 2017
- ☞ International Journal published in “IJAREEIE” Vol:2, Issue 12, December 2013, ISSN:2278-8878.
- ☞ International Journal published in “Indian Journal of Science and Technology” (IJST) Vol:5 Issue:10 pp.3506-3518, October 2012, ISSN:0974-5645.
- ☞ International Journal published in “IJSR” Vol.3, No.2, pp.135-144, Dec.2012, ISSN:2250-0138.
- ☞ Paper published in International Conference “IC3A-2013”, JAN-2013. JIS College of of Engineering, Kalyani.

- ☞ Paper published in “National Conference on Energy System Planning, Implementation and Operation” (ESPIO-2011), Technically Co-sponsored by IEEE, Calcutta Section.
- ☞ **Member of IEEE, Calcutta Section.**
- ☞ **Member of the International Association of Electrical, Electronic and Energy Engineering (IAEEEE).**
- ☞ **Member of the International Association of Engineers.**
- ☞ **Member of the IFERP.**

❖ **Patent Published**

- ☞ **Patent published on** “Smart CAP for Specially-abled Persons” Application No: 201931031448A, Intellectual Property, Govt. of India, 2020.
- ☞ **Patent published on** “Tribrid IoT based Smart Washing Machine” Application No: 202031050061A, Intellectual Property, Govt. of India, 2020.
- ☞ **Patent published on** “A smart irrigation system” Application No: 202031045053A, Intellectual Property, Govt. of India, 2020.
- ☞ **Patent published on** “Automated sanitizing machine with sensor based smart card to ensure touch less activity” Application No: 202031046795A, Intellectual Property, Govt. of India, 2020.
- ☞ **Patent published on** “Solar powered IOT based thermal screening smart security system” Application No: 202031050082A, Intellectual Property, Govt. of India, 2020.
- ☞ **Patent published on** “Design and Development of Fire Fighting System Using Hot Redundant PLC in COVID Situation” Application No: 202031050068A, Intellectual Property, Govt. of India, 2020.
- ☞ **Patent published on** “Design & Development of Solar Panel Health Management System” Application No: 202131009093A, Intellectual Property, Govt. of India, 2021.
- ☞ **Patent published on** “Smart belt for physically handicapped person” Application No: 202131021104A, Intellectual Property, Govt. of India, 2021.
- ☞ **Patent published on** “Smart Parking system” Application No: 202031021269A, Intellectual Property, Govt. of India, 2021.
- ☞ **Patent published on** “Portable Cloth Drying Device” Application No: 202231041397 A, Intellectual Property, Govt. of India, 2022.
- ☞ **Patent published on** “Wooden Keyring Manufacturing Device” Application No: 202331036956A, Intellectual Property, Govt. of India, 2023.
- ☞ **Patent published on** “Portable Smart Digital Light Board” Application No: 202431031497, Intellectual Property, Govt. of India, 2024.
- ☞ **Patent published on** “Design and Development of Dust Immuno Solar Panel” Application No: 202431034468A, Intellectual Property, Govt. of India, 2024.
- ☞ **Patent published on** “A Fully Soft Switched Boost Converter using an Active ZCS Resonating Network” Application No: 202431034482A, Intellectual Property, Govt. of India, 2024.
- ☞ **Patent published on** “A Fully Soft Single Switched Boost Converter using a Simple Passive Resonating Network” Application No: 202431034751A, Intellectual Property, Govt. of India, 2024.

REWARDS & RECOGNITION

- ☞ Awarded for good academic records from W.B. Sub-Ordinate Engineering Service Association.
- ☞ Honors and Awards on JIS Samman – 2022, 2023, 2024
- ☞ Best Departmental Project – 2022, 2021, 2019, 2018, 2017, 2016

PERSONAL SNIPPETS

Date of Birth: 31st December, 1980
Language known: Bengali, Hindi & English

References

1. **Dr. Pritam Kumar Gayen**
Asst. Professor, EE, Kalyani Government Engineering College, W.B.
2. **Mr. Sibabrata Majumdar**
Founder & Director of SBM Consultants Pvt. Ltd.

DECLARATION

I certify that the foregoing information is correct and complete to the best of my knowledge nothing has been and belief and cancelled /destroyed.

Sudip Das

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Dr. Sudip Das