

Dr. SUDIP DAS

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PROFILE SNAPSHOT

- ☞ Associate with “Swami Vivekananda University” as Associate Professor & Head of Department in Electrical Engineering Department.
- ☞ 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 Electrical 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