

Dr. SUDIP DAS

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PROFILE SNAPSHOT

- ☞ Associate with “Swami Vivekananda University” as **Associate Professor in the Department of Electrical Engineering.**
- ☞ **16 years** serving in the **Teaching Profession.**
- ☞ Also served nearly **6 years** in the **Industry** as **Senior Manager** (Operation and Maintenance).
- ☞ **PhD in Electrical Engineering** from **Maulana Abul Kalam Azad University of Technology (MAKAUT), 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 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, Power System, Industrial Automation, Energy Management & Audit, Electric Machine, 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.**
- Designed and regularly updated the syllabus to align with AICTE/UGC norms and **emerging industry trends (e.g., AI, IoT, Smart Grid).**
- Encouraged and guided faculty students in research activities, publications in peer-reviewed journals, conferences and also as the **Editor-in-Charge of the Departmental Journal**, inspire faculty members and students to contribute research papers to the department’s publication.
- Oversaw **student mentoring**, academic progress, career guidance, internships, and placement support in collaboration with industry partners.
- Organized industrial visits and training programs as the **Departmental Industry–Institute Relations In-Charge.**
- Actively contributed to **Entrepreneurship Development Cell (EDC), AICTE Idea Lab initiatives, Industry Interaction programs, and value-added courses.**
- **Criteria In-charge for NBA, NAAC, and NIRF** accreditation processes of the institution.
- Established **MOUs** with industries and facilitated expert lectures, industrial visits, and collaborative research projects.
- Coordinated smooth conduct of internal and university **examinations, evaluations, and academic audits.**
- Actively contributed to institutional committees such as **IQAC, BoS, Academic Council, and Anti-Ragging or Grievance Cells.**

From March 2010 to February 2011 with Fresenius Kabi Oncology Ltd., (Formerly Dabur Pharma Ltd) Kalyani, West Bengal, India as " Senior Manager (Engineering)".

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.

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 published in "Journal of Mechanics of Continua and Mathematical Sciences" (SCOPUS) May 2026.
- ☞ International Journal paper published in "Sustainable Energy Technologies and Assessments" Elsevier, (SCI) 2025.
- ☞ International Journal paper published 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 "JIndian 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 Engineering, Kalyani.
- ☞ Paper published in "National Conference on Energy System Planning, Implementation and Operation" (ESPIO-2011), Technically Co-sponsored by IEEE, Calcutta Section.
- ☞ **Book Published: Power Electronics: Concepts, Conversion, and Control** (2025)
- ☞ **Editor-in-chief of "Journal of Recent Trends of Electrical Engineering"**
- ☞ **Member of IEEE (Calcutta Section), International Association of Electrical (IAE), Electronic and Energy Engineering (IAEEEE), 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. **Dr. Arindam Biswas**, Associate Professor and Head, Department of Mining & CSE (Addl. Charge), Kazi Nazrul University, W.B.
3. **Dr. Sandip Chanda**, Associate Professor and former Head Electrical Engineering Dept. Ghani Khan Choudhury Institute of Engineering and Technology (GKCIET), Malda. W.B.

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.

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**Dr. Sudip Das**