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## **CHIRANJIT GHOSH**

29/1/1 Danesh Sekh Lane, P.O. - Danesh Sekh Lane, Howrah - 711109.

Mobile-7278804689, WhatsApp-7278804689, E-mail: [chiranjitghosh28@gmail.com](mailto:chiranjitghosh28@gmail.com)

### **Objective:**

To be an efficient professional to serve the organization at the highest level for achieving its goal.

### **Academic Qualification:**

M.Tech (Electrical Device & Power Systems) from Supreme Knowledge Foundation Group of Institutions under MAKAUT in 2020 with 87.4% marks.

B. Tech (Electrical Engineering) from Calcutta Institute of Engineering & Management under MAKAUT in 2015 with 76.4% marks.

Diploma (Electrical Engineering) from Technique Polytechnic Institute, Hooghly under WBSCTE in 2012 with 81.1% marks.

Higher Secondary (10+2) from Shibpur Sri Ramkrishna Vidyalaya under WBCHSE in 2009 with 54.4% marks.

Madhyamik (10th) from Sibpur Jasodamoyee Vidyalaya under WBBSE in 2007 with 69.12% marks.

**Research work:** Enrolled Ph.D. under the guidance of Dr. Pabitra Kumar Biswas at National Institute of Technology, Mizoram (Comprehensive completed).

**Project work in M. Tech:** Enhancement of the Dielectric Property of XLPE by Synthesized Copper Oxide Nano particles.

**Project work in B. Tech:** Speed control of D.C motor Using Chopper.

**Project work in Diploma:** Windmill, Transformer 220 Volt to 12 Volt.

### **Patents:**

"**Ghosh, C.** Jana, S., Biswas, P.K., Jana, A., Jana, P., Ghosh, P., Dey, S.K., Adhikary, S., (2024). Multi-Layered Four-Dimensional QR Code System with Biometric Authentication, Patent Application No. 202431031350, India."

"**Ghosh, C.** Jana, S., Biswas, P.K., Gupta, S., Rani, N., Dhali, B., Ganguly, A., Datta, D., Chandersen., Arya, A., Pattanayak, S., Ghosh, P., (2025). Ai-Integrated Semi-Submersible System for Real-Time Waterbody Monitoring, 3D Underwater Mapping and Environmental Analysis, Patent Application No. 202531052604, India."

"**Ghosh, C.** Jana, S., Dey, S.K., Das, M., Gurung, J., Gupta, S., Rani, N., Pattanayak, S., Ghosh, P., (2025). Production Apparatus for Bamboo-Fiber-Based Biodegradable Films With Substrate and Substrate Free Configuration, Patent Application No. 202531068340, India."

### **Publications:**

**C. Ghosh, P. Kumar Biswas, and S. Jana**, "*A Comprehensive Review of Advanced Technologies for Waterbody Monitoring Incorporating IoT, AI, ML and Sensor-Based Solutions*," 1st International Conference on Energy, Environment, and Green Technology (ICEEGT 2025), NITTTR Kolkata, India 2025 [Accepted]

S. K. Dey, **C. Ghosh**, S. Jana, M. Basu, and D. P. Dash, "*Multi-area Optimal Dispatch Incorporating with Renewable Energy Sources*," 1st International Conference on Energy, Environment, and Green Technology (ICEEGT 2025), NITTTR Kolkata, India 2025 [Accepted]

S. K. Dey, **C. Ghosh**, S. Jana, M. Basu, and D. P. Dash, "*Enhanced Multi-Area Power Dispatch Using Quasi-Oppositional Differential Evolution: A Renewable Energy and Storage Optimization Framework*," in **Proc. 1st Int. Conf. Smart Technology for Emerging Problems (STEP 2025)**, GMIT Kolkata, India, 2025, DOI: 10.70965/STEP.2025.1

### **Certifications:**

Ghosh, C. (2024). Certification for Mentorship at Smart India Hackathon 2024 Grand Finale, Runner Up. Organised by Smart India Hackathon 2024. Issued December 2024.

### **Industrial Training Undertaken:**

- Organization: Sealdah Electric Locomotive (Eastern Railway)  
Period: 02.07.2013 -17.07.2013  
Project Title: Vocational Training in Electrical Machines.
- Organization: **CESC** Limited  
Period: 23.12.2013 - 04.01.2014  
Project Title: Vocational Training on Mains Department.
- Organization: West Bengal Renewable Energy Development Agency (**WBREDA**)  
Period: 05.07.2014 - 25.07.2014  
Project Title: Vocational Training on Renewable Energy & Energy Efficiency.

- Organization: Youth Computer Training Centre, Govt. of W.B.
- Period: 04.04.2015 - 04.09.2015
- Project Title: Course on AUTOCAD.

### **FDP, Seminar, Workshop & Conference:**

- Participated in Five Days FDP on “Role of Electric Vehicles in Shaping Modern Age Society Towards Sustainable Future” through Online Mode organized by Abacus Institute of Engineering and Management from 29<sup>th</sup> July to 2<sup>nd</sup> August, 2025.
- Participated in Three Days FDP on “Advancement in Electrical Engineering with the Help of Computer Intelligence” through Online Mode organized by Swami Vivekananda School of Diploma from 13<sup>th</sup> May to 15<sup>th</sup> May, 2025.
- Participated in Three Days STTP on “Smart Technology for Electrical Engineering Research” through Online Mode organized by Sri Sivasubramaniya Nadar College of Engineering from 27<sup>th</sup> March to 29<sup>th</sup> March, 2025
- Participated in Five Days FDP on “Dream weaving Turning Ideas into Creative Reality” through Online Mode organized by Regent Education & Research Foundation Group of Institutions from 6<sup>th</sup> February to 10<sup>th</sup> February, 2024.
- Participated in One-day workshop on “Design Challenge on Design Thinking, Critical thinking and innovation design” organized by Regent Education & Research Foundation Group of Institutions on 25<sup>th</sup> January, 2024.
- Participated in One-day workshop on “Entrepreneurship and Innovation as Career Opportunity” organized by Regent Education & Research Foundation Group of Institutions on 21<sup>st</sup> November, 2023.
- Participated in One-day virtual seminar on “Generalized Overview of Rotating Machines” organized by Electrical Engineering Department Regent Education & Research Foundation Group of Institutions on 24<sup>th</sup> May, 2024.
- Participated in One-day virtual seminar on “Synergism of Machine learning and signal processing for Condition Monitoring Applications” organized by Electrical & Electronics Engineering Department Regent Education & Research Foundation Group of Institutions on 24<sup>th</sup> May, 2024.
- Participated in Five Days FDP on “Global energy scenario: Transition from Conventional to Renewable” through Online Mode organized by Abacus Institute of Engineering and Management from 26<sup>th</sup> February to 1<sup>st</sup> March, 2024.
- Participated in One-day event on “Motivational Session on Innovator’s Life & Crossroad” organized by Regent Education & Research Foundation Group of Institutions on 24<sup>th</sup> November, 2023.
- Participated in Three Days FDP on “Faculty Development Program for Student Induction (FDP-SI)” through Offline Mode at Sister Nivedita University, Kolkata organized by All India Council for Technical Education (AICTE) from 18<sup>th</sup> July to 20<sup>th</sup> July, 2019.
- Participated in Three Days FDP on “Faculty Development Program for Student Induction (FDP-SI)” through Offline Mode at Central University of Jharkhand Ranchi organized by All India Council for Technical Education (AICTE) from 20<sup>th</sup> January to 22<sup>nd</sup> January, 2020.

### **Area of Interest:**

- Power System
- Control System
- Electric Machine

**Present Appointment:**

Organization: Regent Education & Research Foundation Group of Institutions

Period: September 25, 2023 to till date

Designation: Assistant Professor in the department of Electrical & Electronics Engineering

Responsibilities: Teaching and Administrative work, member of IQAC

**Experience Summary:**

Organization: Modern Institute of Engineering & Technology

Period: September 01, 2021 to September 22, 2023

Designation: Assistant Professor in the department of Electrical Engineering

Responsibilities: Teaching and Administrative work, Examination Cell member, Assistant Centre-in-Charge in ANM & GNM Examination 2023.

Organization: Santiniketan Institute of Polytechnic

Period: August 16, 2016 to July 31, 2021

Designation: Lecturer in the department of Electrical Engineering

Responsibilities: Teaching and Administrative work, Examination Cell member.

**Reference:**

1. Dr. Abhijit Lahiri (mob- 9674246187): - Principal MCKV Institute of Engineering. Ex. Dean and Head of Department of Electrical Engineering at Supreme Knowledge Foundation Group of Institutions. Email id- [jit\\_lahiri@yahoo.com](mailto:jit_lahiri@yahoo.com)

2. Dr. Pabitra Kumar Biswas (mob- 7085264167): - Associate Prof. of Electrical Engineering Department at National Institute of Technology, Mizoram. Email id- [pabitra.eee@nitmz.ac.in](mailto:pabitra.eee@nitmz.ac.in)

**Personal Details:**

Name: Chiranjit Ghosh

Date of Birth: August 28, 1991

Father's Name: Tarak Nath Ghosh

Address: 29/1/1 Danesh Sheikh Lane, P.O- Danesh Sheikh Lane, Howrah, West Bengal.

Pin: 711109

Category: Unreserved

Marital status: Unmarried

**Declaration:**

I do hereby declare that all the above statements furnished by me are true and correct up to best of my knowledge.

Date:

Place: Howrah

*Chiranjit Ghosh*

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