Dipanjan Ghose

Final Year, Bachelor’s in Electrical and Electronics Engineering

Objective: To reinforce a desire for acquiring knowledge through direct applications of subjects in field work and to foster the acquisitions in future endeavours of similar nature for an overall professional and personal growth.

Date of Birth: 07-02-1998 Gender: Male Age: 21 Nationality: Indian Location: Bengaluru, Karnataka, India

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**ACADEMIC QUALIFICATIONS:**

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| Sl. No. | Institution Name | Course | Board/University | Year of Graduation | Percentage/CGPA |
| 1. | Sikkim Manipal Institute of Technology, Mazitar, Sikkim | B-Tech in Electrical and Electronics Engineering | Sikkim Manipal University | 2020 (Presently 4th year student) | 9.28  (Up to 6th semester) |
| 2. | M. C. Kejriwal Vidyapeeth, Liluah, West Bengal | Intermediate (Class XIIth) | Council for the Indian School Certificate Examinations, New Delhi | 2016 | 94% |
| 3. | M. C. Kejriwal Vidyapeeth, Liluah, West Bengal | Matriculation (Class Xth) | Council for the Indian School Certificate Examinations, New Delhi | 2014 | 96.6% |

**RESEARCH PUBLICATIONS:**

* **Dipanjan Ghose,** Sudeep Pradhan, Pratyasha Tamuli, Shabbiruddin: “Optimal Material for Solar Electric Vehicle Application Using an Integrated Fuzzy-COPRAS Model,” Energy Sources, Part A: Recovery, Utilization, and Environmental Effects (2019), Taylor and Francis **(SCI, SCOPUS)** *(accepted, available online).*
* **Dipanjan Ghose,** Sudeep Pradhan, Shabbiruddin: “Development of Model for Assessment of Renewable Energy Sources: A Case Study on Gujarat, India,” International Journal of Ambient Energy (2019), Taylor & Francis **(SCOPUS)** *(accepted, available online).*
* **Dipanjan Ghose**, Sreejita Naskar, Shabbiruddin, Amit K. Roy: “An Open Source Software – Q-GIS based Analysis for Solar Potential of Sikkim (India),” Vol 10 (1) PP: 49-68 (2019), International Journal of Open Source Software and Processes, IGI Global **(SCOPUS**).
* Abhinav Anand, **Dipanjan Ghose,** Sudeep Pradhan**,** Shabbiruddin: “Optimal Selection of Electric Motor for E-Rickshaw Application Using MCDM Tools,” 2nd International Conference on Cognitive Informatics and Soft Computing, 2019, Rajampet, Andhra Pradesh, Proceedings published in Advances in Intelligent Systems and Computing, **Springer** **(SCOPUS)***.*
* **Dipanjan Ghose**, Sreejita Naskar, Shabbiruddin: “Q-GIS-MCDA based Approach to Identify Suitable Biomass Facility Location in Sikkim, India,” Second International Conference on Advanced Computational and Communication Paradigms (2019), **IEEE**, Sikkim, India, Proceedings published in **IEEE** **(SCOPUS)**.
* **Dipanjan Ghose,** Sudeep Pradhan, Shabbiruddin: “A Fuzzy-COPRAS model for Analysis of Renewable Energy Sources in West Bengal, India,” IEEE International Conference on Energy, Systems and Information Processing (2019), IIITD&M, Kancheepuram, Tamil Nadu, India, Proceedings to be published in **IEEE (SCOPUS)***.*
* Sudeep Pradhan, **Dipanjan Ghose**, Amit K Singh: “Impact of power factor correction methods on power distribution network – A case study,” Book Chapter on Advances in Greener Energy Technologies, **Springer** (**SCOPUS)** *(accepted).*
* Sudeep Pradhan, **Dipanjan Ghose**, Shabbiruddin: “Analysis and Evaluation of Power Plants: A Case Study,” International Conference on Communication Devices and Networking (2019), technically sponsored by **IEEE**, Proceedings to be published in **Springer** **(SCOPUS)** *(accepted).*
* Sudeep Pradhan, **Dipanjan Ghose**, Bigneswar Pradhan, Shabbiruddin: “Study and Analysis of Non-Conventional Energy Sources for an Eastern State of India,” 2nd International Conference on Mechanical Materials and Renewable Energy (2019), Sikkim Manipal Institute of Technology, Sikkim, India. Proceedings to be published in **American Institute of Physics (AIP)** Conference Proceedings **(SCOPUS)** *(accepted, received* ***Best Paper Award****).*
* **Dipanjan Ghose,** Sreejita Naskar, Shabbiruddin: “A Q-GIS based Approach to Locate Suitable Sites of Ocean Renewable Energy in Kerala, India,” Down to Earth 2019 – 1st International Conference on Water Security and Sustainability, Sikkim, India, Proceedings to be published in **Springer** **(SCOPUS)** *(accepted).*
* **Dipanjan Ghose**, Sreejita Naskar, Shabbiruddin: “Multi-Criteria Analysis for Industrial Site Location in West Bengal (India) using Q-GIS,” Vol. 6 No. 1, International Research Conference on Innovation, Technology and Sustainability (2019), **Manila, Philippines.**
* **Dipanjan Ghose**, Sreejita Naskar, Shabbiruddin: “Analysis of Solar Potential for West Bengal (India) using Q-GIS,” Abstract Volume, 3rd Regional Science and Technology Congress (Northern Region, December 2018), Department of Science and Biotechnology, Government of West Bengal.
* Noimisha Hazarika, **Dipanjan Ghose**, Pratyasha Tamuli, Sudeep Pradhan: “Analysis of Efficiency of Solar PV Module with the variation of Temperature and Irradiation Level in SMIT, Sikkim,” International Journal on Advanced Electrical and Computer Engineering, 2017.

**CONFERENCES:**

* First **IEEE** International Conference on Energy, Systems and Information Processing (2019), Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, Tamil Nadu, India.
* Second International Conference on Advanced Computational and Communication Paradigms (2019), **IEEE**, Sikkim Manipal Institute of Technology, Sikkim, India.
* Third International Conference on Communication Devices and Networking (2019), technically sponsored by **IEEE, Springer,** Sikkim Manipal Institute of Technology, Sikkim, India.
* Second International Conference on Mechanical Materials and Renewable Energy (2019), **American Institute of Physics (AIP)**, Sikkim Manipal Institute of Technology, Sikkim, India; *Received the* ***Best Paper******Award*.**
* Down to Earth 2019 – 1st International Conference on Water Security and Sustainability, **Springer**, Sikkim Manipal Institute of Technology, Sikkim, India,
* 3rd Regional Science and Technology Congress (2018), Jalapaiguri Government Engineering College, West Bengal, India.
* Manipal Student Research Colloquium (2017), Sikkim Manipal Institute of Technology, Sikkim, India.

**INTERNSHIPS/ INDUSTRIAL TRAINING:**

* Currently, Graduate Engineer Trainee (Intern) at Ericsson India Global Services Private Limited, Bangalore, India (from 6th January 2020).
* Industrial Training under ‘Gyanoday’ Student Internship Programme by Power System Operation Corporation, Government of India, from North Eastern Regional Load Despatch Centre, Shillong, Meghalaya (June 2019).
* Practical Training in Metro Railway, Kolkata, India, regarding Electrification works for Metro-railway traction with 750V DC from Kolkata, West Bengal (May 2019).
* Practical Training in NHPC Limited at Teesta-V Power Station, Singtam, East Sikkim, India (December 2018).
* Internship Programme regarding Electrification works for Railway Traction with 25 kV, 50 Hz Single Phase Over-Head Equipment, South East Central Railway, Bilaspur, Chhattisgarh, India (June-July 2018).
* Practical Training on PLC & SCADA (Programming using RSLogix 500 English 7.00, Hardware: MicroLogix 1000, 1761L16BWA 220 V AC/ 24 V DC), International Institute for Advanced Training on Control and Automation, Kolkata, India (May-June 2018)
* Worked as a Content Writer Intern at Purclade, a student start-up, Luminine Solutions Private Limited, Bongaigaon, Assam, India (March-November 2018).

**PROJECTS UNDERTAKEN:**

* Mini Project on “Wireless Solar Mobile Charger with 3D Printed Casing,” under Dr Shabbiruddin, Department of EEE, Sikkim Manipal Institute of Technology, as part of B-Tech seventh semester curriculum (2019).
* Presented Project on “Financial Implication of Deviation Settlement Mechanisms on the states of North-Eastern Region” at North Eastern Regional Load Dispatch Centre, Shillong, India (2019).
* Proposal for an economic Paper Recycling Plant for adoption at rural level, under Mr Sandip Gupta, Department of EEE, Sikkim Manipal Institute of Technology (Project Proposal was submitted for preliminary rounds of AICTE Vishwakarma Awards, 2018 (North Eastern region)).

**WORKSHOPS ATTENDED:**

* Seminar on Micro-grid by Dr D Das, Department of EE, IIT Kharagpur, 2019.
* Application of MATLAB in Electrical and Electronics Engineering, SMIT, Sikkim, 2019.
* Machine Learning and Artificial Intelligence, SMIT, Sikkim, 2018.
* Basic Aspects of Electrical and Electronics Engineering, SMIT, Sikkim, 2017.

**ACHIEVEMENTS AND SOCIAL CONTRIBUTIONS:**

* Secured Second Position in the Department of Electrical and Electronics Engineering, Sikkim Manipal University for the academic session 2017-18.
* Received Best Paper Award in Second International Conference on Mechanical Materials and Renewable Energy (2019), Sikkim Manipal Institute of Technology, Sikkim, India.
* First Runner-Up at Inter-School Debate Competition organized by The Agri-Horticultural Society of India, Government of West Bengal, Kolkata, 2012.
* Completed up to 4th year Arts Examination with Second Division qualification, Sarbabharatia Sangeet-o-Sanskriti Parishad, West Bengal State Academy of Dance, Drama, Music and Fine Arts, 2008-09.
* School Representative at the Yule Elocution Contest, Yule Group, 2013.
* School Representative at the Frank Anthony Memorial All India Inter School Debate Competition, CISCE, New Delhi, 2015.
* School Level Winner, School Essay Competition, TATA Building India, 2009-10.
* Passed with Distinction and Credit in English, Science and Mathematics in the International Assessment for Indian Schools, conducted by The University of New South Wales, Australia, 2007 and 2008.
* Held the designation of Lead Writer, the Editorial Board, Sikkim Manipal Institute of Technology (2018-19).
* Held the designation of Head Writer, the Chatter, Sikkim Manipal Institute of Technology (2018-19).
* Consistent volunteer at SEED School, a school for under-privileged children, from February 2017 to May 2019.
* Organising Member, SUMMIT SIKKIM, SMIT Model United Nations, organised in collaboration with United Nations Information Centre for India and Bhutan and UN Solidarity Movement for Gender Equality, 2017.
* Part of 15 days Swachh Bharat Summer Internship as per University Grants Commission guidelines, Government of India at Sikkim Manipal University, 2018.

**SKILLS:**

* Personal:

Content Writing, Technical and Marketing Writing, Analytical Problem solving and Public Speaking.

* Programming Languages:

Basic C, Basic C++, MATLAB, Basic Microprocessor 8085, Fundamentals of PLC (RSLogix 500 in Allen-Bradley PLC), and Fundamentals of VHDL.

* Software:

Quantum Geographical Information System (Basic Level), XiLinx 9.2i, MATLAB, Microsoft Office 365.

* Hobbies:

Reading, Travelling and Swimming.

REFERENCES:

Dr Shabbiruddin Kuntal Ghose

Assistant Professor (SG) Deputy Chief Electrical Engineer/Con (SG)

Sikkim Manipal Institute of Technology South East Central Railway, Bilaspur

E-mail: shabbiruddin85@yahoo.com E-mail: [ghosekuntal@gmail.com](mailto:ghosekuntal@gmail.com)

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DECLARATION:

I, therefore, solemnly declare that all the above information is true to the best of my knowledge and consent.

DATE: 22.01.2020 DIPANJAN GHOSE