SAUMYA SINHA

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Education

National Institute of Technology, Patna   **2022 − 2024**
Master of Technology in Control System Engineering; CGPA: 8.40/10

Birla Institute Of Technology, Mesra   **2016-2020**
Bachelors in Engineering in Electrical and Electronics Engineering; CGPA: 6.66/10

Ishan International Public School, Patna   **2016**
Senior Secondary Certificate Examination ; Percentage: 68.20

St. Joseph's Convent High School, Patna   **2014**
Indian Certificate of Secondary Education ; Percentage: 78.60

Project

Efficient control of lighting system   **Jan 2020**

- Developed a system model using fuzzy logic for an LED lighting scheme, incorporating factors such as energy efficiency, visual and thermal comfort, and economical requirements to generate light of required lumen level in a given space.
- Created two fuzzy membership functions - "WINDOW BLIND POSITION" and "LED OUTPUT" - to form a comprehensive rules table with input parameters including outdoor light, room temperature, indoor light, and rate of change of light.
- Utilized the membership functions and rules table to generate desired lumen level light by selecting optimal parameters based on the given conditions. Achieved significant energy savings while ensuring maximum visual comfort for users.

Internships & Experience

Vocational training Internship   **Nov 2017 − Dec 2017**
Oil and Natural Gas Corporation Limited   *Delhi,Vasant Kunj, India*

- Conducted thorough analysis and troubleshooting of electrical systems to increase efficiency by 15percent.
- Collaborated with team members to implement new safety procedures, reducing workplace accidents.
- Conducted training program for new hires on Integrated Building Management System (IBMS), resulting in a decrease in onboarding time by 30percent.

Project training Internship   **May 2018 − Jun 2018**
Steel Authority Of India Limited   *Bokaro,India*

- Acquired knowledge in maintenance on various types of motors utilized in hot rolled coils and plates units, resulting in a 20percent decrease in downtime.
- Conducted safety training for new employees on proper usage of safety equipment, reducing workplace accidents by 15percent.
- Acquired knowledge on implementation of an energy-saving initiative by replacing outdated equipment with more efficient models, resulting in a 30percent reduction in electricity consumption.

Technical Skills

Core Skill: Understanding of Computer aided design (CAD) or Electronic design automation (EDA) in electrical and of stimulation and MATLAB.

- Control System
- Understanding of Computer aided design (CAD) or Electronic design automation (EDA) in electrical and of stimulation and MATLAB.
- knowledge in Electrical, Power transmission, switchyard and Metering/CT/PT.
- Knowledge of NI Lab view.

Soft Skills: Leadership, Interpersonal Communication, Project Management, Teamwork, Creativity, Time Management.

Achievements & Extracurricular Activities

-Qualified GATE 2021 in Electrical Engineering : Gate score 449
-Secured 4th place out of 20 competitors in an IEEE Club debate Competition.
-National Service Scheme Coordinator:

- Participated in a two-day orientation program on Human Rights as part of the National Service Scheme (NSS), where I gained valuable insights on social issues and developed leadership skills
- Led the coordination efforts for a blood donation camp held at college, which collected over 200 units of blood from students, faculty, and staff.