



Shaikh Nahid Hossain

SUMMARY

- Maintains constant surveillance of power plant equipment in operation by observing programmable controls, energy management system, switchgear and protection system
- Design hardware specifications required for distributed energy resource (DER) aggregation with working knowledge of building metering, DER metering, provisioning, feeder automation, smart inverter and battery energy storage requirements
- Provide technical support regarding power systems analyses including optimal power management during sunlight and eclipse conditions
- Profound knowledge in power and facilities infrastructure industry as well as in Electronic Power circuit Design
- Steep knowledge of Motor controls, VFD and UPS Backups as well as of charging batteries
- Amazing ability of working in a fast paced environment outstanding ability to work in cross group environment
- Excellent communication skills including verbal report writing and presentation ability



3rd June, 1996



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EDUCATION

17.05.2017 – 11.11.2021 – Dhaka , Bangladesh
B.Sc. in Electrical and Electronic Engineering
Ahsanullah University of Science and Technology
Medium of Instruction- English
CGPA : 3.19 Out of 4.0

2014 -2016 – Dhaka , Bangladesh
Higher Secondary School Certificate (HSC)
BAF Shaheen College Dhaka
GPA – 5.0 Out of 5.0



2004-2014 – Dhaka , Bangladesh

Secondary School Certificate (SSC)

Sher-e-Bangla Nagar Government Boys' High School

GPA – 5.0 Out of 5.0

SKILLS

Programming Language : C/C++, Java, Python, Arduino IDE code

Numerical Analysis : MATLAB

Electrical Circuit Simulation : Orcade, Proteus, PCM, Cadence Virtuoso

Power System Simulation : PowerFactory, Power World Simulator

Word Processing and Presentation : MS Word, MS Power Point, MS Excel

Others : Auto Cade, Microsoft Visio

PUBLICATIONS

- Clustering based approach for deployment of BESS in an industrial microgrid to accelerate post fault voltage recovery
- Developing fast voltage recovery algorithm for a renewable integrated Microgrid

PROJECT WORKS

- Converter-based Emulation of Battery Energy Storage Systems (BESS) for Grid Applications
- Microprocessor Based Invisible Switch
- Calculating Efficiency of different segmentation methods using image processing
- Development of a dynamic object detection method
- Designing and implementing a Bluetooth controlled grabber arm
- Autonomous Vehicle by Solar Photovoltaic using Buck Converter

LEADERSHIP EXPERIENCE

- General Secretary, AUST Innovation and Design Club
- General Secretary, AUST IEEE PES Chapter
- Vice President of Olympiad, BAFSD Science Club
- President, SBNGBHS Debating Club



WORK EXPERIENCE



Jakson International Ltd.

(authorized distributor of Cummins Inc. USA)

87 Suhrawardi Avenue (5th floor)
Baridhara, Dhaka-1212, Bangladesh

Junior Engineer - Sales, Marine Department

01/01/2022 – Current

Jakson Group is an Indian energy and engineering company with corporate headquarters in Noida, Uttar Pradesh, India. It was founded in the year 1947 as an electrical goods trading company in Delhi, India. Jakson is one of the oldest Diesel generator manufacturing companies in India. The company manufactures and sells diesel generator sets and solar PV modules. Jakson operates four key businesses – **Powergen & Distribution, Solar, EPC and Defence.**

Jakson International Limited (JIL) is the Bangladesh unit of Jakson Group and adheres to the Group Core Purpose and Values in its policy and operations. JIL Bangladesh commenced its operation in 2009. Due to constant emphasis on design, engineering, and manufacturing, it became a dominant player in the market with a leadership position in almost all the operational territories. It is the only authorized country distributor for **Cummins** Diesel & Gas Gensets which are known for their excellent quality, durability, efficiency and compact design worldwide. An authorized unit to provide sales, technical and marketing services for **Cummins** Power Generation, JIL Bangladesh is determined to power a sustainable world through its inclusive offerings. Together with **Cummins**, Jakson is a market leader across the low, mid and high-capacity diesel generator market. Banking on these years of collaboration, JIL has become an exclusive partner for **Cummins** Marine Engines and Gensets in Bangladesh and authorizing services, including the administration of **Cummins** Global Warranty.

Key Responsibilities:

- Maintain revenue generation from the sales of marine engine & genset to meet the annual Sales plan.
- Assist in finding new customers for sales of marine engines, gensets, spare parts and lubricant oil.



- Plan strategic brand-building events to expand product portfolio.
- To keep liaison with existing customers with timely elevated service.
- Identify, coordinate, and participate in client relationship-building activities and meetings.
- Visit customers, find inquiries for new sales and assist in preparing prepare offer for them.
- Assist in handle customer queries and complaints with company's business standard and develop rapport with customers.
- Preparing documents for tender.
- Prepare & maintain client's database (existing & upcoming) and updated data of market competitors.
- Cultivate relationships with key players to create beneficial referral systems.
- Carry out any other job assigned by the management.

REFERENCE

Prof. Dr. Tareq Aziz

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Shaikh Hemayet Hossain

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