

## Md. Sazed Ul Karim

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### ★ OBJECTIVES

As a self-motivated and responsible person, I believe in one sentence, "*The riskiest thing is to take no risks*". So I'm passionate about problem solving, taking reasonable risk on decision making, trying to be bold and explore myself at technological field. With more than 2.5 years of professional experience, I'm looking forward to having challenging and growth oriented job & the quick learning approach that helps to prove the best of my ability in achieving the objective of the job.

### ★ KEY SKILLS

- HVAC
- HVAC Automation
- Modbus TCP/IP, RS485
- BACnet/IP, BACnet/MSTP Communication Protocol
- KNX Protocol
- SCADA System Commissioning & BOQ Preparation
- PLC Based System Commissioning & BOQ Preparation
- Microcontroller based solution development
- AutoCAD 2D
- MS Office
- Sensor Troubleshooting
- Python, C, MicroC, Arduino, Raspberry Pi

### ★ PERSONAL SKILLS

- Excellent in Communicating with team members
- Can work under pressure
- Willing to work anywhere
- Hard-working
- Quick learner
- Good in decision making
- Excellent in time management
- Excellent in team management
- Excellent in project management
- Excellent in team development
- Excellent in conflict resolution

### ★ LANGUAGE SKILLS

- English: Fluent
- Bangla: Native
- Hindi : Conversant

### ★ EXPERIENCE

#### CIAT Engineering Ltd. Project Engineer

6<sup>th</sup> April, 2019 - Present

I'm working as project engineer in CIAT Engineering Ltd, A Solution Partner For Siemens Building Technology Division, at Building Management System (BMS) department. I'm responsible for Testing & Commissioning, Troubleshooting, Validation of HVAC System Automation, Commercial Building Automation, Industrial Process Automation & Home Automation. To prepare & deliver of Testing & Commissioning requirements of projects from design to end of the successful commissioning within defined budgetary, safety constraints without compromising quality, time-span & performance.

#### KEY RESPONSIBILITIES

- Carrying out the Testing & Commissioning of HVAC BMS Control System, delivered to different industrial and commercial premises of Bangladesh.
- Carrying out the validation tests on HVAC BMS for pharmaceutical companies for different national & international pharma audits.
- Ensuring the quality of electrical wiring with the civil construction team.
- Ensuring the standard commissioning procedures & work instructions.
- Ensuring the stability & automatic control of the devices related to the process automation, according to the requirements.
- Executing the project commissioning safely following all safety standards.
- Handing over the marked-up drawings to design engineers for preparing the as-built drawing and onward submission to customer to close the project. And get a signed handover certificate from the client.

#### BANGTECH

28<sup>th</sup> November, 2017 - 6<sup>th</sup> April, 2019

#### Project Engineer

#### KEY RESPONSIBILITIES

- To study different govt. industries' tender schedule and create designs & assessment report for tender bidding.
- Carrying out the commissioning as per the tender schedule.
- To create details report after commissioning & submit to the client.
- Ensuring all the requirements from the client side have been checked.

### ★ EDUCATION

Duration	Degree	Institution	Grade
2012 - 2019	Bachelor of Science in Electrical & Electronics Engineering	Chittagong University of Engineering & Technology (CUET), Chittagong.	CGPA – 2.68(out of 4)
2010 - 2012	Higher Secondary Certificate	Govt. City College, Chittagong.	GPA – 5(out of 5)
2008 - 2010	Secondary School Certificate	Chittagong Collegiate School, Chittagong.	GPA – 5(out of 5)

## ★ SELECTED PROJECTS

- **Installation, Commissioning & Validation of BMS System For HVAC Control at SDU Facility in ACME Laboratories Ltd.**
  - Installation of BMS Server for HVAC Automation.
  - Upgradation of system software from Siemens Apogee insight to Siemens DesigoCC.
  - Prepare & execute the validation documents.
- **Installation, Commissioning & Validation of BMS System For HVAC Control at Composite Facility in General Pharmaceutical Ltd.**
  - Installation of BMS Server for HVAC Automation.
  - Upgradation of system software from Siemens Apogee insight to Siemens DesigoCC.
  - Prepare & execute the validation documents.
- **Installation, Commissioning & Validation of BMS System For HVAC Control at Hormone & BioTech Facilities in Healthcare Pharmaceutical Ltd.**
  - Installation of BMS Server for HVAC Automation.
  - Installation of system software, Siemens DesigoCC.
  - Prepare & execute the validation documents.
- **Installation, Commissioning Lighting Automation System For Navana Real Estate Ltd.**
  - Installation and commissioning of lighting automation system with KNX Protocol.
- **Installation, Commissioning of Dead Weight Tester in DAP Fertilizer Company Ltd., Chittagong.**
- **Design of a 33KV/.415KV Distribution Transformer**
- **Image compression by Huffman coding**
  - A lossless image compression method by implementing neural network algorithm is developed in this project. This project was my final-year thesis work.

## ★ Training

**Venue: Training Institute For Chemical Industries (TICI)**

**Time: 2016**

**Title: Industrial Technology on Electrical Engineering & Instrumentation**

**Training Outline:**

- Electrical Instrumentation.
- Electrical Motor Control With PLC.
- Substation Installation And Commissioning Brief.
- Substation Switchgear & Protection.
- Electrical Safety and Precautionary Measures.
- Transformer, Alternator, Transmission Line Protection and Maintenance.

**Venue: Siemens**

**Time: 2019**

**Title: Desigo Commissioning Training**

**Training Outline:**

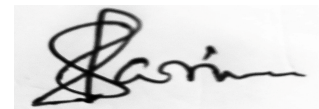
A hands on experience & training on Desigo PXC Modular & Compact Controller Commissioning by Smit Jain from Siemens India.

## ★ References

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I solemnly declare that the information furnished above is free from errors & true to be of my knowledge and belief.



MD. Sazed Ul Karim