

# MD JUBAYER FAISAL



## Career Objectives

With a commitment to teaching professionalism, I hope to inspire and engage students, develop analytical thinking, and contribute to the academic and professional development of the university and its students. I want to establish a welcoming and encouraging learning environment that prepares students for success in their careers and lives through creative instructional approaches, good communication, and a collaborative approach. I aspire to create an engaging and innovative learning environment, inspiring future engineers and contributing to the advancement of knowledge in the field while continuously enhancing my own expertise.

## CONTACT

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-  [Md Jubayer Faisal](#)
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## Basic Academic Credentials

### ■ B.Sc.

Khulna University of Engineering & Technology (KUET)  
Department of Electronics and Communication Engineering  
Studying Year: 2018-2023  
CGPA: 3.78/4.00 (3<sup>rd</sup> position in merit)

### ■ HSC

Cantonment College, Jessore  
Studying Year: 2015-2016  
GPA: 5.00/5.00

### ■ SSC

Valki High School, Jhenaidah  
Studying Year: 2013-2014  
GPA: 5.00/5.00

## Interests

- Teaching and R&D
- Digital Electronics and Logic Design
- Telecommunication
- Antenna Engineering
- Signal Processing
- VLSI
- Information Technology
- Network Security
- Fiber Optic Network
- Electronics Technology

## Languages

**Bangla** (Native or Bilingual Proficiency)  
**English** (Full professional proficiency)

## Experiences and Industrial Attachments

### ■ Lecturer, Dept. of EEE at City University (Current)

- Courses I have taken: Digital Electronics and Logic Design; Electromagnetic Fields and Waves; Electrical Circuit 1 & 2; Electrical Circuit Laboratory; Communication Theory; Computer Networks; Electrical Measurement and Instrumentation Laboratory; VLSI (Laboratory Software: Cadence); Digital Signal Processing;

### ■ Former Engineer-Information Technology Division at DBL Digital

- Network Infrastructure Management; Systems Analysis and Design; Documentation; Training and Knowledge Sharing; Technology Evaluation and Recommendation; Enterprise Server Management and storage Network Management, Internet security & firewall,

### ■ Bangladesh Cable Shilpa Limited (Practical operations of cable manufacturing).

### ■ Submarine Cable Landing Station, Cox's Bazar. (Practical operations and routes of submarine cable of Bangladesh).

### ■ Bangladesh Research and Education Network (BdREN).

### ■ Stata It Limited (Automation machinery manufacturing company).

### ■ Bangladesh Television.

### ■ Bangladesh Navy (BNS Mongla) (Practical operations of navigation radar).

### ■ Metrological Radar Station, Cox's Bazar.

## Achievements & Certifications

- **EEE Equivalent Certificate**  
I have received this certificate for covering most of the basic theory and laboratory courses of EEE degree program apart from power system fields from my department.
- **ICT/ICE Equivalent Certificate**  
I have received this certificate for covering most of the basic theory and laboratory courses of ICT/ICE degree program from my department.
- **3<sup>rd</sup> Position** among 60 students in B.Sc. in ECE, KUET.
- **Dean's Award** from Dean, Faculty of EEE, KUET.
- **Four times University's Meritorious Scholarship** based on outstanding result.
- Attain the **Top Spot in the Cyber Security Awareness Training Program** organized by DBL digital's Information Security Division.
- **CCNAv7: Introduction to Networks** by Cisco Networking Academy.
- **CCNAv7: Switching, Routing, and Wireless Essentials** by Cisco Networking Academy.
- **CCNAv7: Enterprise Networking, Security and Automation** by Cisco Networking Academy.
- **Introduction to Cybersecurity** by Cisco Networking Academy.
- **Introduction to IoT** by Cisco Networking Academy..

## Technical Skills

- **Languages and Algorithm:** C, C++, Python, Data structure and algorithm, HTML, CSS, JavaScript.
- **Database Management System:** Oracle, MySQL, PL/SQL.
- **Simulation Tools & IDE :** Packet Tracer, CST, Proteus, MATLAB, Microsoft Visual Studio, Cadence.
- **Microsoft Office:** MS PowerPoint, MS Word, MS Excel.
- **Interpersonal:** Organizing and Time management, Leadership, Communication, Problem analysis and solving, Adaptability.

## Projects

- Arduino and IoT based wearable Smart Health Band Using Arduino UNO.
- Line Follower Robot (LFR) using Arduino NANO.
- Design and implementation of an Uninterruptible Power Supply.
- Design and implementation of Seven Segment Display.
- Adjustable and Regulated DC Power Supply.
- High Pass, Low pass and Band pass Filter Design and Implementation.
- A database for Mobile Shop Management is based on oracle DBMS (The Database of the customers implemented with SQL).
- Responsible website for Mobile Shop Management using HTML, CSS, JavaScript, SQL, C# and asp.net.
- Design of Yagi Uda Antenna at 4.5 GHz using Computer Simulation Technology (CST).

## Undergraduate Thesis

### “Design and Performance Evaluation of T-shaped Frequency Reconfigurable Slot Antenna for mm-wave 5G Wireless Applications”

The thesis develops a frequency-reconfigurable antenna for 5G mm-wave wireless communications, specifically for cellular networks, for use in mm-wave applications. The antenna operates at both 28 GHz and 38 GHz. Some examples of where this design has been put to use are in radio astronomy, remote sensing, vehicle radars, military applications, security screening, satellite communications, Telecommunication and more.

**Status:** Sent for review to the **3rd International Conference on Advancements in Electrical and Electronic Engineering**

## References

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2. Dr. Md. Faruque Hossain  
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