

MD ASHFAQUL ISLAM

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<https://www.researchgate.net/profile/Md-Ashfaul-Islam-2>



EDUCATION

- Bachelor of Science in Electrical & Electronic Engineering (BSc Engineering).**
Bangladesh Army University of Engineering and Technology (BAUET), Qadirabad Cantonment, Natore-6431.
Department: Electrical and Electronic Engineering.
CGPA: 3.53 (Out of 4).
Starting Date: 15th February, 2015.
Ending Date: 11th February, 2019.
Date of Degree Conferred: 20th March, 2019.
- Higher Secondary School Certificate (HSC in Science).**
Govt. M. M. City College, Khulna-9100.
CGPA: 4.10 (Out of 5).
Passing Year: 13th August, 2014.
- Secondary School Certificate (SSC in Science).**
Saint Joseph's High School, Khulna-9100.
CGPA: 4.88 (Out of 5).
Passing Year: 07th May, 2012.

RESEARCH PUBLICATIONS

- Md. Ashfaul Islam, Maisha Hasnin, Nayeem Ifftekhar, Md. Mushfiqur Rahman**
➤ **Super Resolution Based Underwater Image Enhancement by Illumination Adjustment and Color Correction with Fusion Technique**—Advances in Science, Technology and Engineering Systems Journal Vol. 6, No. 2, 36-42 (2021).
[\[https://astesj.com/v06/i02/p05\]](https://astesj.com/v06/i02/p05).
- Shahjadi Silma Subah, MD. Ashfaul Islam, MD. Mohyiminul Islam**
➤ **Underwater Image Enhancement Based on Fusion Technique via Color Correction and Illumination Adjustment**—1st International Conference on Advances in Science, Engineering and Robotics Technology (ICASERT-2019), East West University, Dhaka, Bangladesh.
[\[https://ieeexplore.ieee.org/document/8934573\]](https://ieeexplore.ieee.org/document/8934573).
- Md. Mahmudul Hasan, Md. Ashfaul Islam, Sheikh Ahmad Imtiyaz, Md. Mahbub Hasan**
➤ **Presumption Method for Detecting and Analyzing Human Mental Behavior by Employing EEG Signal**—International Conference on Electrical Engineering and Information & Communication Technology (ICEEICT 2018), Military Institute of Science and Technology (MIST), Mirpur Cantonment, Dhaka, Bangladesh.
[\[https://ieeexplore.ieee.org/document/8628137\]](https://ieeexplore.ieee.org/document/8628137).
- Md. Mahbub Hasan, Md. Ashfaul Islam, Sheikh Ahmad Imtiyaz, Md. Akramul Alim, Md. Momtazur Rahman, Md. Mahmudul Hasan**
➤ **Harnessing the Ocean's Wave Power for Bangladesh's Dynamic Coastal Areas**—International Conference on Mechanical, Industrial and Energy Engineering (ICMIEE 2018), Khulna University of Engineering and Technology (KUET), Khulna, Bangladesh.
[\[https://www2.kuet.ac.bd/icmiee2018/icmiee2018.php\]](https://www2.kuet.ac.bd/icmiee2018/icmiee2018.php) (Serial no: 81).

PROGRAMMING AND SOFTWARE SKILL

- Programming Language:** C, C++, MATLAB, Basics of Python, Arduino, Assembly Language.
- CAD Software:** AutoCAD, PSCAD.
- Simulation Software:** PSpice, NI Multisim, ModelSim-Altera, Cisco Packet Tracer, Proteus.
- Other:** Adobe Photoshop, Lightroom, Illustrator, Premiere Pro.
- MS Office:** MS Word, PowerPoint, Excel (2007-2016).

RESEARCH INTEREST

- VLSI, Biomedical Engineering, Control System.
- Artificial Intelligence, Image Processing.
- Power Electronics, Power System, Data Science.
- Embedded System, Automation Engineering.
- Nano-Technology, Robotics, Cyber Security.
- Renewable Energy, Wireless Communication.

LANGUAGE SKILL

- Bangla:** Fluent in Reading, Writing, Speaking and Listening
- English:** Fluent in Reading, Writing, Speaking and Listening

COMPETITION & PROJECT

- **An Autonomous Line Following Robot**—for Robo-Droid Robotics Challenge, Organized by Robotic Society of RUET-2016.
- **An Autonomous Line Follower Robot**—for Mecceleration organized by Department of Mechanical & Chemical Engineering, Islamic University of Technology, Dhaka, Bangladesh-2016.
- **Smart Door Lock System**—for Electrical Services Design Lab project-2017.
- **Poster Presentation**—for BAUET Tech Fair organized by Department of Computer Science and Engineering of Bangladesh Army University of Engineering and Technology-2017.
- **An Autonomous Line Follower Robot**—for Mecceleration organized by Department of Mechanical & Chemical Engineering, Islamic University of Technology, Dhaka, Bangladesh-2018.

AWARD & ACHIEVEMENTS

- **Second Runners-Up**—Intra University Programming Competition, BAUET-2015
- **First Runners-Up**—Intra University Project Competition, Organized by BAUET Automation & Robotics Club-2017.

LEADERSHIP SKILL & EXTRA CURRICULAR ACTIVITIES

- Works at “**BAUET Automation & Robotics Club**” from the very beginning & serving as **Assistant General Secretary**. 2016-2018.
- Works at “**BAUET Programming Club**” from the very beginning & serving as **Executive of C Programming**. 2016-2018.
- Works at “**BAUET Career Club**” & serving as **Senior Executive of Publication**. 2018-2019.
- Works at “**BAUET Welfare Club**” & serving as **Photographer**. 2016-2018.

WORKSHOP EXPERIENCE

- **Name of the Workshop:** Workshop on MATLAB/Simulink and PLC.
Venue: RUET, Bangladesh.
Duration: One Day.
Date: 15th April, 2016.
- **Name of the Workshop:** Workshop on Microcontroller Based Embedded System Design.
Venue: BAUET, Bangladesh.
Duration: One Day.
Date: 04th April, 2018.

COMMUNICATION SKILLS

- Excellent interpersonal and fluent communication skills in English Bengali.
- Robust vocabulary proficiency in English including high frequency words.
- Acute sense in English literature and reading.
- Adept in writing of English articles.
- Skilled in understanding and communication on engineering correspondence
- Proficient and confident in multimedia presentation.
- Experienced in writing editing engineering research reports.

REFERENCES

- **Md. Akramul Alim**
Assistant Professor
Department of Electrical & Electronic Engineering.
Rajshahi University, Rajshahi.
Former Associate Professor & Head (In Charge)
Department of Electrical & Electronic Engineering.
Bangladesh Army University of Science & Technology, Qadirabad Cantonment, Natore-6431.
Contact no.: +8801717-412319
Email: ear@ymail.com & aalim@ru.ac.bd
- **Md. Mustafizur Rahman**
Assistant Professor
Department of Electrical & Electronic Engineering.
Bangladesh Army University of Science & Technology, Qadirabad Cantonment, Natore-6431.
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- **Md. Mahmudul Hasan**
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- **Tanvir Ahmed**
Chief Operating Officer (COO)
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