

Publications

- [1] Comparative Techno-Economic Feasibility Analysis of Hybrid Renewable Energy-based EV Charging Stations in a Developing Country," 3rd International Conference on Electronics and Renewable Systems (ICEARS 2025), Tuticorin, India, 2025-Md. Saiful Islam,A.K.M. Aktaruzzaman Shuvo*,Sumaiya Haque,Ahmed Mohsin Rizvi,Shameem Hasan[Submission Complete]
- [2] Investigation of Electric Properties of Bismuth Ferrite Nanoparticles at Various Temperature. [Undergrad Thesis]-Supervised by Prof. Dr. Md. Meganur Rhaman

Education

2019- 2023	Ahsanullah University of Science & Technology <i>B.Sc. in Electrical & Electronic Engineering</i>
2016- 2017	Gaibandha Government College <i>Higher Secondary Certificate (HSC),2018</i>
2014- 2015	Gaibandha Govt. Boys' High School <i>Secondary School Certificate (SSC),2016</i>

Teaching

March - Sept. 24	Lecturer BGMEA University of Fashion Technology <i>The job responsibilities included conducting three theory courses (EEE2201, EEE4100) and five lab courses (CSE 0611 1102, AMM0611 1106, AMM0611 1206), preparing question papers, administering exams, and creating course files for OBE courses.</i>
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Training Experience

27, July 23- 29, July 23	Internship On Industrial Motor Controlling Techniques with Project Institute: ULTERIOR ENGINEERING <i>Industrial devices such as relay logic control, motor controlling center (MCC), wye-delta starter, Direct Online, Resistance control, and VFD control were taught to execute machines.</i>
06, May 22- 02, June 22	Course on "Thesis and Research Publication Guideline" Institute: AbartanBD <i>This outlines crucial details regarding thesis writing and research methodologies.</i>

Technical Skills

Software Tools	: Homer Pro, Cadence virtuoso, Proteus, Matlab, Simulink, OrCad Pspice, AutoCad, Power world simulator, LATEX, Microsoft Visio, MS office
Hardware	: Arduino Uno, Arduino Nano, ESP8266 NodeMCU, MPU-8086
Programming Language	: C, C++, Python,

Projects

- > A Notch filter designed to eliminate noise from an ECG signal using **MATLAB**.
- > **Hardware:** MicroController-based Energy Efficient Escalator using **Arduino Uno** | Teamwork
- > 2D illustration of 800 sq ft Flat and Electrical Load Connection Design using **AutoCAD**.
- > Designing a voice signal recorder and use of filtering in **MATLAB** | Teamwork
- > **Hardware:** Optimum Power Control at Different Loading using Current Injector Device | Teamwork
- > Design of a PID controller for Electric traction motor Control in **Simulink**.
- > Different CMOS SRAM Circuits' Implementation and Performance Analysis -**Cadence Virtuoso**
- > **Hardware:** SG3525 PWM Inverter 12V to 220V, 300W using two IRF-520 transistors | Teamwork

Extra-Curricular Activities

January 2022-	AUST Programming Club (AUSTPIC) <i>Executive Member</i> <i>Volunteered at the “CodeCombat 1.0” programming contest and participated in different workshops led by AUSTPIC.</i>
07, June 2023-	AUST Research & Publication Club <i>Executive Member</i> <i>Participated in “Research Symposium 2023: An Intra AUST Research Exhibition” and workshops to develop academic skills.</i>

Personal Details

Name : A.K.M. Aktaruzzaman Shuvo
Father's Name : Md. Moksedur Rahman
Mother's Name : Most. Rina Rahman
Permanent Address : Gorosthan Para, Gaibandha Sadar, Gaibandha
Sex : Male
Marital Status : Unmarried
Nationality : Bangladeshi
Religion : Islam
Date of Birth : January 16, 2000

References

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