

Md. Ashraful Islam

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Career Summary:

- Worked as Lecturer at Leading University, Sylhet & have 5 years' experience in teaching, class monitoring, Research & Development, Data Analysis, planning, communication & coordination area.
- A result-oriented Learning & Development specialist, driven by the desire to deliver lecture by utilizing new concepts & sound in module & content development, class planning, scheduling, creative content designing, making syllabus, psychological issues, case solving in an interactive way.

Objective: To work as an Academician & Researcher in the field of electrical & electronic engineering with proper analysis.

Proficiencies:

- Learning & Development
- Creativity & Content Design
- Design & Drawing analysis
- System & Process Evaluation
- Data Analysis
- Artificial Intelligence
- Reporting & Documentation
- Programming & software operation

Date of Birth: 23rd May, 1993

Working Experience:

1. **Organization Name:** Leading University, Sylhet (**Website:** www.lus.ac.bd)

Designation 1: Lecturer

Duration: From June 14, 2015 to November 30, 2020

- Developing lecture plan for different courses & delivering lectures in front of students.
- Taking test, exam, checking the script, conducting lab session, evaluating performance.
- Adapts and reassesses lesson plans to meet specific student needs, comply with newly implemented guidelines or rules, and to update relevant information and include new developments in education.
- Conducting online class, sharing contents & modules to students.
- Overseeing the laboratory apparatus, calibration, maintenance issues for smooth research work.
- Supervising projects & thesis groups, monitoring & evaluating the students' performance (15 groups)
- Initiating & implementing different automation projects & presenting them as journal papers.
- Serving as Counselor, IEEE Leading University Student Branch and Convener, Course Offering & Distribution Committee, Dept. of EEE.

Academic Qualification:

- Pursuing (Last semester final exam remained due to corona pandemic) M.Sc. in Information Technology from Shahjalal University of Science & Technology, Sylhet.
- B.Sc. in Electrical, Electronic and Communication Engineering in 2014 from Military Institute of Science and Technology with CGPA 3.74 out of 4.00.
- HSC in Science in 2010 from Notre Dame College, Dhaka with GPA 5.00 out of 5.00.
- SSC in Science in 2008 from Motijheel Govt. Boys' High School, Dhaka with GPA 5.00 out of 5.00.

Academic Awards: Awarded with MIST Scholarship at level-1 & Commandant's list certificate at Level-2 & 4.

Reviewing Experience: Reviewer of IEEE Access & International Journal of Modelling & Simulation (IJMS)

Professional Profiles: ORCID ID ([link](#)), Research Gate ([link](#)), Publons (for IEEE Access Reviewer) ([link](#))

Training:

- Training Institute for Chemical Industries (TICI) (2016-2019 as a mentor)
- Grameen-phone Limited, 1st December, 2013- 15th December, 2013
- Bangladesh Betar, Dhaka, 16th December, 2013- 31st December, 2013

Journal Publications:

- **Md. Ashraful Islam**, Syed Iqram Hossain, Rafiqul Islam, “*Car License Plate Detection and Recognition using Morphological Image Processing and Template Matching*”, Journal of Computer Technology & Applications, Volume 11 (Issue 1), pp: 21-27, 2020.
- Fahim Ahmed Hamim, Imtiaj Ahmed Probal, Abu Shakil Ahmed, **Md. Ashraful Islam**, Md. Abu Bakar Siddik, “*An Enhanced Prototype of Rover for Space Exploration*”, Journal of Advances in Astronautics Science and Technology, Volume 3 (Issue 1), pp: 75-96, 2020
- Iftekhar Ahammad, Obaedur Rahim Rizbhi, Pradip Lal, Sanjana Siraj, Md. Juwel Chowdhury and **Md. Ashraful Islam**, “*Towards a Secure and Automated Platform for Fingerprint Based Electronic Voting Machine*”- International Journal of Intelligent Machines and Robotics, vol. 1, no. 1, pp: 34-44, 2018.
- **Md. Ashraful Islam**, Sunny Md. Shahriar Istiak, Iftekhar Rahman et al, “*Design and Performance Analysis of a Log Periodic Dipole Antenna with a Frequency Range of 1350 to 2690 MHz*”- Journal of Microwave Engineering and Technologies, ISSN: 2349-9001, volume 4, issue 1, pp: 6–12, 2017.
- **Md. Ashraful Islam**, Md. Mostofa Kamal Tareq, Ishrat Khan Mohona, Iftekhar Ahammad, Mohammad Shamim Kaiser, “*An Approach to Improve the Performance of Mobile Computation Technology Using Data Offloading*”- International Journal of Modern Research in Electrical and Electronic Engineering, ISSN: 2521-0181; volume 1 issue 1, pp: 47-52, 2017.

Conference Proceedings

- Rajan Raju, Sumaiya Ali, **Md. Ashraful Islam**, Afshana Begum, “*Design and Performance analysis of a low loss Photonic Crystal Fiber in THz regime*”, IEEE TENSYP (IEEE Region 10 Symposium), Dhaka, Bangladesh 2020, pp. 1760-1763, doi: 10.1109/TENSYP50017.2020.9230982.
- Md. Niaz Morshedul Haque, Sayem Miah, **Md. Ashraful Islam**, Md. Moontasir Rashid, Sumit Ray, “*Design & Simulation of a Smart Solar Grid System For Leading University, Bangladesh*”, in proceeding of IEEE International Conference on Electrical, Communication, Electronics, Instrumentation & Computing (ICECEIC)-2019. (Accepted & Presented)
- Fahim Ahmed Hamim, Imtiaj Ahmed Probal, Md. Abu Bakar Siddik, Abu Shakil Ahmed, **Md. Ashraful Islam**, “*Design and Implementation of Mars Rover*”, in proceedings of IEEE International Conference on Electrical, Communication, Electronics, Instrumentation and Computing (ICECEIC)-2019. (Accepted & Presented)
- M. M. K. Tareq, **M. A. Islam**, H. A. Mazumder and A. Islam, “*Proposition and performance analysis of a DC/DC boost converter*,” 2017 IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI), pp. 39-42, doi: 10.1109/ICPCSI.2017.8392330
- K. Mehzabin, A. U. Reza, **M. A. Islam** and K. M. M. Haque, “*Design and performance analysis of rectangular microstrip patch antenna (RMPA) based on 3 different substrates at 2.5 GHz*,” 2017 IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI), pp. 141-145, doi: 10.1109/ICPCSI.2017.8391980
- M. N. M. Haque, M. Naeem-Ur-Rahman, S. C. Sarkar, M. S. Miah, I. Ahammad and **M. A. Islam**, “*Design and simulation of a forcible buck-boost controlling solar powered DC motor*,” 2017 IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI), Chennai, 2017, pp. 131-136, doi: 10.1109/ICPCSI.2017.8391958

Research: (Ongoing): Bangla Number Plate Detection & Recognition and Photonic Crystal Fiber.

Workshop: Participated & joined in 10+ events & workshops personally & also on behalf of Leading University.

Computer Skill: Microsoft office, C, C++, python (basic), MATLAB/Simulink, HFSS, CST, PSpice, Proteus, Microwind.

Language: Fluent in Bangla and English

References

1. Professor Dr. M. Rakib Uddin, Dean, Faculty of Modern Science, Leading University, Sylhet
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2. Assistant Professor Dr. Ahsan Habib, Institute of ICT, Shahjalal University of Science & Technology
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