

Arpita. Howlader

LECTURER ·

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“Never give up. There is no such thing as ending, just a new beginning. There is always something to be Thankful for.”

Education

DUET(Dhaka University of Science and Technology University)

Gazipur, Bangladesh

M.Sc. ENGG. IN COMPUTER SCIENCE AND ENGINEERING

Oct. 2015 - Present

- Dissertation: Machine Learning, Wireless Networking and Mobile Computing.
- Course: Advanced Artificial Intelligence (ML, HCI, Image Processing), Wireless Networking and Mobile Computing, Cryptography and Network Security.
- Advisor: Dr. Md. Obaidur Rahman.
- CGPA: 3.67 out of 4.00. (5th position)
- Expected Graduation Date: 2019.
- Institution Web: www.duet.ac.bd

PSTU(Patuakhali Science and Technology University)

Patuakhali, Bangladesh

B.Sc. IN COMPUTER SCIENCE AND ENGINEERING

Jan. 2010 - May. 2015

- Dissertation: minimization and measurement of schema complexity based on weighted graph .
- Advisor: Golam Md. Muradul Bashir, Associate Professor, PSTU, Dukmi-8602 .
- CGPA: 3.637 out of 4.00. (3rd/50 position)
- Institution Web: www.pstu.ac.bd
- Got a Dean Award Scholarship for good result

College Level Education (Western college)

Dhaka, Bangladesh

HIGHER SECONDARY CERTIFICATE

Jul. 2008 - Jul. 2010

- Main Subjects Covered: Bengali, English, Mathematics, Physics, Chemistry, Computer Studies.
- CGPA: 4.70 out of 5.00.
- Got Fully Founded Scholarship for good result

School Level Education (South Muhsendi Girls' High School)

Dhaka, Bangladesh

SECONDARY SCHOOL CERTIFICATE

S.S.C- Jan. 2006 - Jun. 2008

- Main Subjects Covered: Bengali, English, Mathematics, Physics, Chemistry, Computer Studies.
- CGPA: 5.00 out of 5.00.
- Got Government Scholarship for good result

Work Experience

Dhaka International University (DIU)

66, Green Road

Campus, Dhaka-1205, Bangladesh

FACULTY MEMBER (LECTURER) & RESEARCHER , DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Aug. 2016 - Present

- Lecture provide on artificial intelligence, Machine Learning, Operating Systems, Digital System, Database, Algorithm, Discrete Mathematics
- Develop teaching materials, such as course outline, lesson plan, tutorial, supplementary notes.
- Course coordinator of different batches.
- As a supportive guide in favor of Foreign Students (such those from Nepal, Somalia and Nigeria).
- Conduct both lab and theory Classes for different semester students.
- Working effectively in writing research proposals, papers and other publications.
- Appearing and negotiating with well speaking at conferences and seminars.
- Assist educational professionals with projects or research or thesis as and when assigned.

ICT Division of Bangladesh and EATL

(ICTD) E-14/X, ICT Tower, Agargaon

Dhaka-1207

ANDROID APPLICATION DEVELOPER TRAINER

24 Feb. 2015 - 25 May. 2015

- Design, develop and maintain high performance, reusable, and reliable Java code.
- Translate designs and wire frames into high-quality code.
- Conduct training classes for interested different undergraduate university level students.
- Ensure the best possible performance, quality, and responsiveness of the application.
- Identify and correct bottlenecks and fix bugs.

Research Publications

EECCMC Conference Proceedings

Tamil Nadu, India

CORE MEMBER AT 2018

978-1-5386-4304-4/18/\$31.00 ©2018 IEEE

- “Design and Implementation of a Mobile Application to Eradicate Sexual Harassment”.
- Arpita Howlader; Samrat kumardey , On International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC 2018) .

ICECE Conference Proceedings

Dhaka, Bangladesh

CORE MEMBER & PRESENTER AT 2014

20-22nd Dec 2014

- Advisor Golam Md. Muradul Bashir, Associate Professor, PSTU, Member Howlader A. ; Shemu, I. ; Ety, E. On 8th International Conference on ICECE 2014.
- “Effectiveness of minimization and measurement of schema complexity based on weighted graph”

SKIMA Conference Proceedings

Dhaka, Bangladesh

CORE MEMBER & PRESENTER AT 2014

978-1-4799-6399-7/14/\$31.00 ©2014

- Advisor: Golam Md. Muradul Bashir, Associate Professor, PSTU.
- “Effectiveness of Weighted Graph of Schema to Aid the Minimization and Measurement of Schema Complexity”
- Howlader A. ; Shemu, I. ; Ety, E. On 8th International Conference on SKIMA 2014, 18-20th December .

Lambert Academic Publishing

Publish Dissertation

AUTHOR

Germany 2015

- Howlader A. ; Shemu, I. ; Ety, E “Efficacy of Weighted Graph to Minimize & Measure of Schema Complexity”

Research Interest

MACHINE LEARNING TECHNIQUES TO SOLVE REAL WORLD APPLICATIONS BY BUILDING CONCRETE MATHEMATICAL

MODELS IN PARTICULAR.

- Machine Learning
- Deep Learning
- Wireless Communication Network
- Image Processing
- Data Mining

Skill

Programming Language & Web Programming:, C, C++, JSP, C#, Java SE, Visual Basic, Prolog, HTML, PHP, JavaScript

Familiar With:, Python, Anaconda, Pycharm, Android Studio, MATLAB, Net Beans, Visual Studio, Eclipse, SWI-Prolog, WEKA, jupyter Pycharm, Codeforces, hackerrank , SPOJ

DBMS: , MySQL, SQL, SQLite, Oracle

Embedded Systems:, Arduino UNO, Bluetooth Module, PIC, AVR, 8086 Microcontroller Kit

Honors & Awards

UNIVERSITY

2014 **Excellent Result**, Dean’s Merit Scholarship

PSTU, Bangladesh

2014 **3rd Place**, Academic Award

PSTU, Bangladesh

2013 **Successful Participant**, ACM Programming Contest

PSTU, Bangladesh

DOMESTIC

- 2008 **Government Scholarship**, For Excellent Result(5.00 out of 5.00) in Secondary School level *Dhaka, Bangladesh*
- 2008 to 2010 **Fully Founded Scholarship for College level**, For Excellent Result(5.00 out of 5.00) in Secondary School level *Dhaka, Bangladesh*

Workshops & Seminars

Workshop

*Dhaka International University,
Bangladesh*

SUPPORT FROM HEQEP, UGC SUB PROJECT

2017 - 2018

- 3 Day long workshop on Outcome Based Education & Curriculum Mappings conducted by the Institutional Quality Assurance cell(IQAC).
- Research Methodology & Scientific Paper Writing on November 11, 2017.
- QA workshop on Teaching-Learning Methods & Curriculum Contents with the IQAC(DIU).
- Academic Staff Development (Curriculum and Beyond, Teaching-Learning Process, Excellence in Research, as well as Academic Audit and Accreditation) with the IQAC Cell.
- 5 Days Divisional Android Mobile Application Training Program Conducted by ICT Ministry (MoICT) under National Mobile Application Awareness Development and Training Program.

Conferences

- 8th International Conference on Software, Knowledge, Information Management and Applications (SKIMA) 2014, 18-20th December
- On 8th International Conference on Electrical and Computer Engineering (ICECE) 2014, 20-22nd December
- Attended 9th International Conference on Electrical and Computer Engineering (ICECE), 20 Dec- 22 Dec 2016
- 20th International Conference On Computer and Information Technology (ICCIT 2017)December 22-24

Projects

Android Application Development

PSTU, Bangladesh

DEVELOPED AS SEMESTER PROJECT

Jan. 2012- Dec. 2014

- Android Application Stop Sexual Harassment
- SSC Exam Routine
- CSE IT Dictionary

Embedded System Development

PSTU, Bangladesh

DEVELOPED AS SEMESTER PROJECT WITH ARDUINO UNO

2012 - 2014

- Automatic Railway Gate Control
- Numeric Water-Level Indicator
- Home Security Car
- Battery Charge and auto light control in dark with Solar Energy

Web Application Development

PSTU, Bangladesh

DEVELOPED AS A PART OF SOFTWARE DEVELOPMENT PROJECT

2013- 2014

- NPMS - Online News Portal Management System (PHP, MySQL)
- Online Student Information Portal Developed (in Group)
- Online Chain Shop Management System

Desktop Application

PSTU, Bangladesh

DEVELOPED AS SEMESTER PROJECT AT DIFFERENT LEVEL OF UNIVERSITY COURSEWORK

- Hall Management System (Java Desktop Application)
- Library Management System (C# Desktop Application)
- Chain Shop Management System (in JSP)

Experience work

DIU, Bangladesh

DEVELOPED EXISTING PROJECTS WITH STUDENTS AS AI INTEREST

- Different mathematical view with python)
- Stock market analysis)
- Handwriting Recognition
- Disease analysis

Program Committees

2014	Staff & Co-Organizer , Project Workshop	<i>PSTU, Bangladesh</i>
2013	Co-Organizer , Programming Contest	<i>Bangladesh</i>
2012	Co-Organizer , Programming Contest	<i>Bangladesh</i>
2012	Successful Participant & Co-Organizer , Debate Competition	<i>Bangladesh</i>

References

1 Md. Kamrul Hasan

Ph.D. Candidate at MSCS Department
Marquette University, USA
Associate Professor
Dept. of CCE, Faculty of CSE
Patuakhali Science and Technology University
Dumki, Patuakhali-8602, Bangladesh
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email: kamrulg@gmail.com

2 Golam Md. Muradul Bashir

Associat Professor Dept. of CCE
Patuakhali Science and Technology University (PSTU) Dumki-8602
Cell : + 8801718323601
Email : murad98csekuet@yahoo.com

3 Prof. Dr. Md. Obaidur Rahman

Director IICT (Institute of Information & Communication-Technology)
Professor Dept. of CSE
Dhaka University of Engineering and Technology, Gazipur
Cell : + 8801930706863
Email : mdobaidurrahman@gmail.com