Kazi Mowdud Ahmed

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3,2012 - 3.2013	**M.Sc. in Information and Communication Technology** (ICT) ***Islamic University, Kushtia-7003, Bangladesh*** ***Dissertation Title:*** *"Enhancement of congitive users longevity in cognitive radio network by RF energy harvesting"* ***Advisor:*** *Prof. Dr. Md. Mahbubur Rahman* ***Result:*** *(3.75 out of 4) First position in order of merit (Class Size: 40)* **Thesis Score:** *4.0 out of 4.0* ***Awarded:*** *2013*
3,2009 - 3.2012	**B.Sc. in Information and Communication Technology** (ICT) ***Islamic University, Kushtia-7003, Bangladesh*** ***Dissertation Title:*** *"Development of Pedestrian Tracking System Using Lucas-Kanade Technique".* ***Advisor:*** *Prof. Dr. Md. Zahidul Islam* ***Result:*** *(3.64 out of 4) First position in order of merit (Class Size: 50)* ***Project Score:*** *4.0 out of 4.0* ***Awarded:*** *2012*

PROFESSIONAL EXPERIENCE

15.07.2018 - present	**Lecturer,** Dept. of ICT, Islamic University (IU), Kushtia-7003, Bangladesh.
3. 2016 - Present	**Research Assistant,** Wireless Communications Lab (WCL), *Dept. of Information and Communication Technology (ICT), Islamic University, Kushtia-7003, Bangladesh.* *https://www. iu.ac.bd/*
3. 2014 - 3. 2016	**Research Assistant,** Multimedia Communication Systems Lab.(MCSL), *Dept. of Information and Communication Technology (ICT), Islamic University, Kushtia-7003, Bangladesh.* *https://www. iu.ac.bd/*
3. 2011 - 3. 2014	**Research Assistant,** Computer Vision and Intelligent Interfacing Lab.(CVIIL), *Dept. of Information and Communication Technology (ICT), Islamic University, Kushtia-7003, Bangladesh.* *https://www. iu.ac.bd/*

TEACHING EXPERIENCES

Lecture M.Sc. in Dept. of Information Communication Technology (ICT), Islamic University (IU) :
- Advanced Digital Communications, Wireless Communications, Artificial Interfacing, Microprocessor and Interfacing.

Lecture Evening M.Sc. in Dept. of Information Communication Technology (ICT), Islamic University (IU):
- Structured Programming Language, Database Management Systems, Data Communications & Computer Networking, Internet Programming .

Lecture B.Sc. (Engg.) in Dept. of Information Communication Technology (ICT), Islamic University (IU):
- Programming With C, Object Oriented Programming with C++, Computer Architecture and Interfacing, Data Communications and Networking, Computer Networking, Geometry and Vector Analysis, Operating Systems, System Analysis and Software Engineering.

RESEARCH AREA

- Cloud Computing

- Machine Learning and Deep Learning

- AI-enabled Cognitive Radio based IOT.

COMPUTER SKILLS

Programming Languages: C, C++, C#.NET, Java, Python

Simulation Tools: MATLAB

Web Application Development Technology: HTML, CSS

Database Software: Oracle, SQL Server, LaTex

SCHOLARSHIPS AND AWARDS

3. 2012 - 3. 2013 **Talent Pool University Scholarship,** for obtaining M.Sc. degree,
Grade: (3.75 out of 4 (1st Position in order of merit) the Islamic University, Kushtia-7003, Bangladesh.
http://www.iu.ac.bd/

3. 2010 - 3. 2012 **Talent Pool University Scholarship,** for obtaining B.Sc. degree,
3.64 out of 4 (1st Position in order of merit) the Islamic University, Kushtia-7003, Bangladesh.
http://www.iu.ac.bd/

PUBLISHED AND PROCEEDING ARTICLES

2020

[07] Dr. Md. Sipon Miah,**Kazi Mowdud Ahmed**, Md. Khairul Islam, Md. Ashek Raihan Mahmud, Md. Mahbubur Rahman and Heejung Yu, *"Enhanced Sensing and Sum-Rate Analysis in a Cognitive Radio-Based Internet of Things."* **Sensors [SCI-E (Elsevier), IF 3.031]**, Vol. 20, No. 9, pp. 2525, 2020.

[06] **Kazi Mowdud Ahmed,** Dr. M. Mahbubur Rahman, Dr. Md. Sipon Miah and Khandakar Takdir Ahmed, *"Enhancement of Cognitive Users Longevity in Cognitve Radio Network by RF Energy Harvesting,"* IOSR Journal of Engineering(IOSRJEN) Vol. 10,Series-I, pp. 05-12, July 2020.

2019

[05] Md. Shahariar Alam, Md. Mahbubur Rahman, Mohammad Amazad Hossain, Md. Khairul Islam, **Kazi Mowdud Ahmed**, Khandaker Takdir Ahmed, Bikash Chandra Singh and Md. Sipon Miah, *"Automatic Human Brain Tumor Detection in MRI Image Using Template-Based K Means and Improved Fuzzy C Means Clustering Algorithm,"* **Big Data and Cognitive Computing (BD-CC)(MDPI)[Scopus (Elsevier)],** Vol. 03, No. 02, pp. 1-18, 2019.

[04] Md. Jashim Uddin, Md. Islamul Haque, Dr. Paresh Chandra Barman, Khandakar Takdir Ahmed, **Kazi Mowdud Ahmed**, Md. Ibrahim Khalil and MM Asaduzzaman Sabbir, *Änalysis of Human Genome Sequence to Identify Disease Genes,*IOSR Journal of Engineering (IOSRJEN) Vol.09, Series-III, PP.55-66, Octobor 2019.

[03] Khandakar Takdir Ahmed, Md. Jashim Uddin, **Kazi Mowdud Ahmed**, and Sonali Saha, *"Performance Analysis of TORA,LEACH and INSENS Routing Protocol for Wireless Sensor Networks,*IOSR Journal of Electronics and Communication Engineering(IOSR-JECE), Vol.14, Series-II, PP.51-56, Mar-Apr 2019.

2018

[02] Md. Ruhul Amin, Md. Mahbubur Rahman, Mohammad Amazad Hossain, Md. Khairul Islam, **Kazi Mowdud Ahmed**, Bikash Chandra Singh and Md. Sipon Miah, *"Unscented Kalman Filter Based on Spectrum Sensing in a Cognitive Radio Network Using an Adaptive Fuzzy System,"* **Big Data and Cognitive Computing (BDCC) (MDPI)[Scopus (Elsevier)]**, Vol. 2, No. 4, pp. 1-20, 2018.

2015

[01] **Kazi Mowdud Ahmed**, Firoza Naznin,Md. Shahinuzzaman and Md. Zahidul Islam *"Development of Pedestrian Tracking System Using Lucas-Kanade Technique,"* **Journal of Emerging Trends in Engineering and Applied Sciences (JETEAS)** 6(3):pp. 14-23, 2015.

ACADEMIC ACTIVITIES

- Planning Member - 25/11/2019 to Present

- Faculty Member -

- Academic Committee Member - 15/007/2018 to present.

REFEREE

[1] Dr. Md. Mahbubur Rahman
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Islamic University, Kushtia-7003, Bangladesh
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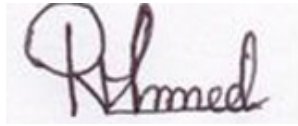[2] Dr. Md. Sipon Miah
Associate Professor
Department of Information and Communication Technology (ICT)
Islamic University, Kushtia-7003, Bangladesh
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