

Muhammad Golam Kibria, Ph.D., Member, IEEE

Associater Professor, Department of CSE
Univeristy of Liberal Arts Bangladesh (ULAB)



Objectives

To become a competent, independent, mature and well-rounded researcher who is prepared to pursue an academic career.

Education

Degree/ Examination	Name of the Institution / University	Duration	Class/ Division / CGPA	Award	Passing year
Doctor of Philosophy of Engineering, Computer and Information Communication Engineering (CICE)	Hankuk University of Foreign Studies (HUFS), South Korea	Mar 2014 - Feb 2018	(4.41 out of 4.50 in course works)	Foreign Student Scholarship	2018
Master of Science in Mobile Computing and Communications	University of Greenwich, UK	Sep 2006 - Apr 2008	First class	Merit	2008
Bachelor of Science in Computer Science	North South University	Jan 1998 - Dec 2003	3.07 (Grade point 3.0: 80 % to below 84%)		2003
HSC	Tejgaon College, Dhaka	1992/ 1993	First Division (67.2% Marks)		1994
SSC	Dhanmondi Govt. Boys' High School, Dhaka	1990/ 1991	First Division (81.2% Marks)		1992

* Please Click on the Logo to visit my e-profile available on ULAB, Google Scholar, ResearchGate, LinkedIn

Professional Experiences (Approx. 15 years)

- **Outcome-based Education (OBE)**

- ✓ Attended a day-long workshop on Hands-on orientation on new Program Evaluator at IEB, Dhaka on 09 October 2019 that was organized by the Board of Accreditation for Engineering and Technical Education (BAETE);
- ✓ Attended a day-long workshop on the ‘Implementation of Complex Engineering Problem Solving’ at IEB, Dhaka on June 19, 2019 that was organized by the Board of Accreditation for Engineering and Technical Education (BAETE);

- **Academic experiences (12 years +)**

Sl.	Duration	Position
01.	10 October 2018 – continuing	Associater Professor, Dept. of CSE, Univeristy of Liberal Arts Bangladesh (ULAB)
02.	01 August 2018 – 09 October 2018	Associater Professor, Dept. of CSE, University of Information Technology and Sciences (UITS)
03.	01 March 2018 – 31 July 2018	Assistant Professor, Dept. of CSE, UITS
04.	01 March 2014 – 20 February 2018	Research Assistant (RA) at CICE, HUFS, South Korea
05.	01 Sep 2010 – 25 Feb 2014	Assistant Professor, Dept. of CSE, UITS
06.	27 May 2008 – 31 August 2010	Lecturer, Dept. of CSE, UITS

- **Industry experiences (3 years +)**

01 Jun 2003 – 31 Aug 2006

IT Manager at China National Electric Wire & Cable Import/Export Corporation, Dhaka, Bangladesh.

- **University level administrative experiences**

Sl.	Duration	Position
01.	01 Jan 2020 - present	Executive Advisor, IoT Lab, ULAB
02.	01 Jan 2020 - present	Member, Program Quality Assurance Committee, ULAB
03.	05 Mar 2018 – 31 Sep 2018	Chairman of Dept. of CSE, UITS
04.	01 Jan 2010 – 31 Dec 2013	Chairman of Dept. of CSE, UITS
05.	01 Nov 2011 – 31 Oct 2013	Syndicate member at UITS
06.	01 Nov 2011 – 31 Oct 2013	Academic Council Member at UITS
07.	01 Jan 2014 – 25 Feb 2014	Proctor at UITS
08.	23 Jun 2012 – 25 Feb 2014	Disciplinary Board Member at UITS
09.	01 Jan 2013 – 25 Feb 2014	Assistant Proctor at UITS

Publications and Research Works

- **List of Journals**

[33] **Muhammad Golam Kibria** and Ilyoung Chong, "A Framework for Semantic Interoperability Provisioning of Knowledge-Based Services in IoT Environments" [In finalization];

[32] Muhammad Aslam Jarwar, **Muhammad Golam Kibria**, Sajjad Ali and Ilyoung Chong, "Microservices in Web Objects Enabled IoT Environment for Enhancing Reusability", *Sensors Journal*, 2017;

[31] **Muhammad Golam Kibria**, Sajjad Ali, Muhammad Aslam Jarwar, Sunil Kumar, and Ilyoung Chong, "Logistic Model to Support Service Modularity for the Promotion of Reusability in a Web Objects-Enabled IoT Environment", *Sensors Journal*, 2017;

[30] Sajjad Ali, **Muhammad Golam Kibria**, Muhammad Aslam Jarwar, and Ilyoung Chong, "A Model of Socially Connected Web Objects for IoT Applications", *Wireless Communications and Mobile Computing*, December 2017;

[29] **Muhammad Golam Kibria** and Ilyoung Chong, "Knowledge Base Open IoT Service Provisioning Architecture on Beacon Enabled Web-of-Objects", *International Journal of Distributed Sensor Networks*, 2016;

[28] **Muhammad Golam Kibria**, Sheik Mohammad Mostakim Fattah, Kwanghyeon Jeong, Ilyoung Chong and Youn-Kwae Jeong, "A User-Centric Knowledge Creation Model in a Web-of-Objects Enabled IoT Environment", *Sensors Journal*, 2016;

[27] Sheik Mohammad Mostakim Fattah, **Muhammad Golam Kibria**, Kwanghyeon Jeong and Ilyoung Chong, "Knowledge Driven Architectural Model to Support Smart Emergency Service in Web-of-Objects Based IoT Environment", *The Journal Of Korean Institute Of Communications And Information Sciences (JKICS) '15-02* Vol.40, No.02, 2015;

[26] **Muhammad Golam Kibria**, Dr. Sati McKenzie and Al-Imtiaz, "Critical Analysis of Soft Handover Performance in UMTS Cellular Network", *UITS Journal*, ISSN: 2226-3128, 2012, Vol-1, Issue-1;

[25] **Muhammad Golam Kibria**, Md. Shakil Ahamed and Dr. Md. Abdul Malek, Md. Abdul Kader, "Integration and Implementation of Information Systems in Large Scale – Bringing Efficiency in the Ministry Levels", *UITS Journal*, ISSN: 2226-3128, Vol-2, Issue-1;

[24] Jahangir Alam S.M, Hu Guoqing, M. Rabiul Alam, Rajib Baran Roy, **Muhammad Golam Kibria**, "Improved ICT Grid Model for Development of the Bangladesh", *Applied Mechanics and Materials* Vols. 411-414 (2013) pp 2200-2207, Trans Tech Publications, Switzerland;

[23] Jahangir Alam S.M, Hu Guoqing, M. Rabiul Alam, **Muhammad Golam Kibria**, Md. Abdul Malek "Improved Information Systems Model for Bangladesh", *TELKOMNIKA Indonesian Journal of Electrical Engineering* (an EI-INSPEC indexed journal);

- **List of Conference Proceedings**

[22] S.M. Rahadul Islam, Md Mayen Hasan Sefat, Md. Ahsan Habib, **Muhammad Golam Kibria**, “Internet of Things-Based Household Water Quality Monitoring System Using Wireless Sensor”, Proceedings of International Joint Conference on Computational Intelligence (IJCCI 2019), Springer Nature Book Series: Algorithms for Intelligent Systems (AIS), Dhaka, Bangladesh, 2019;

[21] Sumaiya Amin Anamika, Md. Ar Rafi Khan, Md Mayen Hasan Sefat, **Muhammad Golam Kibria**, “Internet of Things-Based Smart Security Provisioning Using Voice-Controlled Door Locking System”, Proceedings of International Joint Conference on Computational Intelligence (IJCCI 2019), Springer Nature Book Series: Algorithms for Intelligent Systems (AIS), Dhaka, Bangladesh, 2019;

[20] **Muhammad Golam Kibria**, Sajjad Ali, Muhammad Aslam Jarwar and Ilyoung Chong, "A Framework to Support Data Interoperability in Web Objects Based IoT Environments", International Conference of ICT Convergence (ICTC 2017), South Korea;

[19] Sajjad Ali, **Muhammad Golam Kibria**, Muhammad Aslam Jarwar and Ilyoung Chong, "Microservices Model in WoO based IoT Platform for Depressive Disorder Assistance", International Conference of ICT Convergence (ICTC 2017), South Korea;

[18] **Muhammad Golam Kibria**, Muhammad Aslam Jarwar, Sajjad Ali, Sunil Kumar and Ilyoung Chong, "Web Objects Based Energy Efficiency for Smart Home IoT Service Provisioning", The Ninth International Conference on Ubiquitous and Future Networks (ICUFN 2017), Italy;

[17] Muhammad Aslam Jarwar, Sajjad Ali, **Muhammad Golam Kibria**, Sunil Kumar and Ilyoung Chong, "Exploiting Interoperable Microservices in Web Objects Enabled Internet of Things", The Ninth International Conference on Ubiquitous and Future Networks (ICUFN 2017), Italy;

[16] Sunil Kumar, **Muhammad Golam Kibria**, Sajjad Ali, Muhammad Aslam Jarwar and Ilyoung Chong, "Smart Spaces Service Provisioning based on Virtual Object Cognition in WoO Platform", ICIC 2017, Vietnam;

[15] Sajjad Ali, **Muhammad Golam Kibria** and Ilyoung Chong, “WoO Enabled IoT Service Provisioning Based on Learning User Preference and Situation”, 31st International Conference on Information Networking (ICOIN 2017), Vietnam;

[14] **Muhammad Golam Kibria**, Hwa-Suk-Kim and Ilyoung Chong, “Tracking Moving Objects for Intelligent IoT Service Provisioning in Web Objects Enables IoT Environment”, International Conference of ICT Convergence (ICTC 2016), South Korea;

[13] **Muhammad Golam Kibria** and Ilyoung Chong, “Knowledge Creation Model in WoO Enabled Smart Ageing IoT Service Platform”, The Eighth International Conference on Ubiquitous and Future Networks (ICUFN 2016), Vienna, Austria;

[12] **Muhammad Golam Kibria**, Hwa-Suk-Kim and Ilyoung Chong, “IoT Learning Model Based on Virtual Object Cognition”, 30th International Conference on Information Networking (ICOIN 2016), Malaysia, IEEE Communications Society;

[11] **Muhammad Golam Kibria** and Ilyoung Chong, “Context-Awareness Provisioning to Support User-Centric Intelligence in a Web-of-Objects Platform”, International Conference of ICT Convergence (ICTC 2015), South Korea, IEEE Communications Society;

[10] **Muhammad Golam Kibria**, Sheik Mohammad Mostakim Fattah and Ilyoung Chong, “WoO Based IoT Service Provisioning with Cooperation of Physical Web”, Korea Computer Congress (KCC 2015), South Korea;

[9] Sheik Mohammad Mostakim Fattah, **Muhammad Golam Kibria** and Ilyoung Chong, “Architectural Model of WoO Enabled Smart Emergency Services in Shopping Mall”, Korea Computer Congress (KCC 2015), South Korea;

[8] **Muhammad Golam Kibria**, Ilyoung Chong, “Knowledge Based Open IoT Service Provisioning Through Cooperation Between Physical Web and WoO”, The Seventh International Conference on Ubiquitous and Future Networks (ICUFN 2015), Japan, IEEE Communications Society, Japan;

[7] **Muhammad Golam Kibria** and Ilyoung Chong, “A WoO Based Knowledge Driven Approach for Smart Home Energy Efficiency”, International Conference of ICT Convergence (ICTC 2014), South Korea;

[6] **Muhammad Golam Kibria**, Kawang Hung, S M Fattah and Ilyoung Chong, “Smart Emergency Service in WoO based Shopping Mall”, International Conference of ICT Convergence (ICTC 2014), South Korea;

[5] Sazzad Bin Kamal and **Muhammad Golam Kibria**, “A comparison of Two Stochastic Iterative Search Techniques for Degree Constrained Minimum Spanning Tree”, IEEE/OSA/IAPR, International Conference on Informatics, Electronics & Vision (ICIEV12, 2012);

[4] Al-Imtiaz and **Muhammad Golam Kibria**, “Modules to Optimize the Performance of an ERP based Integrated Information System”, IEEE/OSA/IAPR, International Conference on Informatics, Electronics & Vision (ICIEV12), Paper ID: 398, pp. 598-601, 2012;

[3] **Muhammad Golam Kibria** and Al-Imtiaz, “Bengali Optical Character Recognition using Self Organizing Map”, IEEE/OSA/IAPR, International Conference on Informatics, Electronics & Vision (ICIEV12), Paper ID: 424 pp. 764-769;

[2] M. Shamsul Arifin, **Muhammad Golam Kibria**, Adnan Firoze, M. Ashraful Amin and Hong Yan, “Dermatological Disease Diagnosis Using Color-Skin Images”, International Conference on Machine Learning and Cybernetics (ICMLC2012), China; 2012;

[1] **Muhammad Golam Kibria**, Al-Imtiaz, “E-Governance: Bottom-Up Approach for a Developing Country like Bangladesh”, International Conference on Engineering Research, Innovation, and Education (ICERIE 2013).

- **Standardization in ITU-T (organization under United Nations)**

[11] Muhammad Golam Kibria, Sajjad Ali and Ilyoung Chong, “WG3, D3.3 - Framework of data interoperability in IoT environment”, ITU-T SG20 FG-DPM, 20-23 February 2018, Geneva;

[10] Muhammad Golam Kibria and Ilyoung Chong, “A revised text of clause 7.2-7.4 in Y.WoO-hn (output of Q4/20 meeting)”, ITU-T SG20, 15-23 January 2018, Geneva;

[9] Muhammad Golam Kibria and Ilyoung Chong, “Proposal of revised text of Appendix II of Y.WoO-hn based on TD 329”, ITU-T SG20, 15-23 January 2018, Geneva;

[8] Muhammad Golam Kibria and Ilyoung Chong, “WG3, D3.3 - Framework of data interoperability in IoT environment”, ITU-T SG20 FG-DPM, 20-25 October 2017, Geneva;

[7] Ilyoung Chong, Muhammad Golam Kibria and Sayed Chhattan Shah, “Revised text of Draft Recommendation of Y.WoO-hn (Service architecture and capability in web of objects enabled home network)”, ITU-T SG 20, 02 May 2016, Geneva;

[6] Muhammad Golam Kibria and Ilyoung Chong, “A proposal for an addition of new appendix to support Context-Awareness for intelligence in WoO enabled home network”, ITU-T SG20, 02 May 2016, Geneva;

[5] Muhammad Golam Kibria and Ilyoung Chong, “A proposal for revision of 7. Service functions for WoO enabled home network” for Y.WoO-hn”, ITU-T SG20, 02 May 2016, Geneva;

[4] Muhammad Golam Kibria and Ilyoung Chong, “A proposal for an addition of new Appendix Y of Draft Recommendation Y.WoO-hn”, ITU-T SG20, 02 May 2016, Geneva;

[3] Muhammad Golam Kibria and Ilyoung Chong, “Revised text of F.WSA (Functional architecture of WoO based virtual home network (WVHN)”, ITU-T SG16, 16-27 October 2017, Geneva;

[2] Muhammad Golam Kibria and Ilyoung Chong, “ITU-T F.WSA: new proposal for clause 6 of F.WSA (Scenario and requirements for web objects based smart ageing service in the virtual home network)”, ITU-T SG16, 16-27 Jan 2017, Geneva;

[1] Muhammad Golam Kibria and Ilyoung Chong, “ITU-T F.WSA: new proposal for appendix for situation awareness for knowledge-based service provisioning at WVHN”, ITU-T SG16, 16-27 Jan 2017, Geneva.

- **Attended Conferences and Workshops**

Year	Country	Types	Title
2017	Vietnam	Conferences	International Conference on Information Networking (ICOIN)
	South Korea	Conferences	International Conference of ICT Convergence (ICTC)
		Workshop	Summer Workshop on Computer Communications (SWCC)
2016	Austria	Conferences	International Conference on Ubiquitous and Future Net. (ICUFN)

	South Korea	Conferences	International Conference of ICT Convergence (ICTC)
		Workshop	Summer Workshop on Computer Communications (SWCC)
2015	Japan	Conference	International Conference on Ubiquitous and Future Networks (ICUFN)
	South Korea	Conference	International Conference of ICT Convergence (ICTC)
		Conference	Korea Computer Congress (KCC 2015);
		Workshop	Summer Workshop on Computer Communications (SWCC)
2014	Singapore	Conference	International Conference on Networking and Information Technology (ICNIT)
	South Korea	Conference	International Conference of ICT Convergence (ICTC)
2013	Bangladesh	Conference	International Conference on Engineering Research, Innovation, and Education (ICERIE),
2012	Bangladesh	Conference	International Conference on Informatics, Electronics & Vision (ICIEV)

- **Thesis**

- ✓ Ph.D. Thesis title: Semantic interoperability provisioning of knowledge-based services in IoT environments;
- ✓ M.Sc. Thesis title: Critical analysis of soft handover in UMTS cellular network.

- **Award**

Third-Prize in the Asia-Pacific Conference (AP-BPM 2015) – I have been awarded the third-prize at the Asia-Pacific Conference on Business Process Management 2015 (AP-BPM 2015) that was held at Busan, South Korea. Title of the case competition is “Trip and Bike Analysis based on Process Mining;

- **Project / Thesis / Internship Supervision**

As a regular academic activity, I have supervised a number of Projects, Thesis and Internship students. Some of the research works have been published in different peer reviewed Journals and Conference proceedings.

- **Research interests**

Internet of Things (IoT), Web of Objects (WoO), Semantic Web, Networking;

- **Research article review**

I regularly review articles that are submitted to different peer-review Journals and Conferences including:

- ✓ International Conference on Informatics, Electronics & Vision (ICIEV 2013-2019);
- ✓ International Joint Conference on Computational Intelligence (IJCCI 2018);
- ✓ IEEE Access.

Co-curricular and Extra-Curricular Activities

- Track-Chair, ICAICT 2020 Int'l Conference, UIU, Bangladesh;
- Member, IEEE and IEEE Computer Society (CS) Bangladesh Chapter (BDC);
- Treasurer, IEEE Computer Society BDC 2020;
- Associate Coordinator, Industrial Activity Coordination Committee 2019, IEEE CS BDC, 2019;
- Advisor, IEEE ULAB Computer Society Student Branch Chapter;
- Organized IEEE CS Bangladesh Chapter "MEET & Greet" for Dhaka division on 03 March 2019 at ULAB, Dhaka;
- Attended at the IEEE CS Bangladesh Chapter "MEET & Greet" for Sylhet division on 19 April 2019 at Shahjalal University of Science and Technology, at Sylhet. As a Keynote Speaker, I've focused on the prospects and opportunities for the IEEE Student Members in the Industrial attachment for Internship program;
- I had the opportunity to convey the organizing committee for organizing the national level 'HACKATHON-2018' programming contest at UITS that was held on 10 May 2018. The event was sponsored by Bangladesh Submarine Cable Company Ltd. (BSCCL) under the ICT ministry;
- Organized the "National Informatics Olympiad'13" jointly with Bangladesh Informatics Olympiad in January 2013. Prof. Dr. Muhammad Zafer Iqbal was the Chief Guest. Total 40 Participants were participated in the contest from different public and private Universities in the final Competition;
- Successfully organized the first ever "CSE & IT Festival'12" in April 2012 at UITS, where Chief Guest was Professor Dr. Mohammad Kaykobad, Dept. of CSE, BUET. Special Guests were Mr. Mustafa Jabbar, Director, Bangladesh Computer Council and Professor Dr. Syed Akter Hossain, Dept. of CSE, Daffodil University. The Festival was covered in different Print Media and Online;
- I am engaged with different Clubs at UITS, such as: UITS Computer Club, UITS Cultural Club, Debating Club, Blood Donor Association;
- Attended two times in one-to-one talk show on 'Study abroad' in private TV channel 'Channel i', broadcasted on 23rd March 2009 and 11th January 2010;
- Volunteer in "Asia Regional Programming Contest" which was held on 17th November 1998 at North South University, Dhaka.

Personal Information

Date of Birth: 03 March 1977

Religion: Islam

Nationality: Bangladeshi

References

Professor Dr. Ilyoung Chong,
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Professor Dr. Seong-Ho Jeong,
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