

Professor Dr. A.K.M. Fazlul Haque

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WORK HISTORY:

May 2021-till

Director, Institutional Quality Assurance Cell (IQAC)
Daffodil International University

January 2018-April 2021

**Associate Dean, Faculty of Engineering
&
Director, Institutional Quality Assurance Cell (IQAC)**
Daffodil International University

August 2015-till

Professor, Global Access Asia
Asian University President Forum

August 2014

Professor, Asia Summer Program
University Malaysia Perlis, Malaysia

September 2012-November 2012

Visiting Scholar, USA

May 2014-December 2017

Professor and Head,
Department of Electronics and Telecommunication Engineering,
Daffodil International University,
Dhaka-1207, Bangladesh

January 2014 – April 2014

Associate Professor and Head,
Department of Electronics and Telecommunication Engineering,
Daffodil International University,
Dhaka-1207, Bangladesh

March 2011 – April 2014

Associate Professor,
Department of Electronics and Telecommunication Engineering,
Daffodil International University,
Dhaka-1207, Bangladesh

December 2013 - till now

Associate Editor,

Daffodil International University Journal of Science and Technology
Daffodil International University,
Dhaka-1207, Bangladesh

August 2007 - February 2011

Assistant Professor,

Department of Electronics and Telecommunication Engineering,
Daffodil International University,
Dhaka-1207, Bangladesh

March 2011 – August 2012

Coordinator, Evening Program, FSIT

Daffodil International University,
Dhaka-1207, Bangladesh

January 2005 – July 2007

Senior Lecturer,

Department of Electronics and Telecommunication Engineering,
Daffodil International University,
Dhaka-1207, Bangladesh

October 2004 – December 2004

Lecturer,

Department of Electronics and Telecommunication Engineering,
Daffodil International University,
Dhaka-1207, Bangladesh

May 2004 – September 2004

Lecturer,

Department of Computer Science and Engineering,
Bangladesh University,
Dhaka, Bangladesh

July 2002-February 2003

Engineer,

T-Mobile, German Telecom
Germany

October 2001-June 2002

Research Fellow,

Project Name: Multimedia Net-based Network

Department of Telecommunication
University of Applied Sciences
Darmstadt, Germany

July 2000 - September 2001

Lecturer,

Department of Computer Science,
Institute of Business Administration and Information Technology
Dhaka, Bangladesh

ACADEMIC BACKGROUND:

- **PhD, Department of Computer Science and Engineering, Jahangirnagar University, Bangladesh, 2011**
Result: Awarded
- **M.Sc Engineering in Electrical, System Design and Technology** in the Dept. of Telecommunication
University of Applied Sciences, Darmstadt, Germany, 2003
Result: Grade “A”
- **B.Sc Engineering in Computer Science** in the Dept. of Computer Science and Engineering, Dhaka International University, Dhaka, Bangladesh, 1999
Result: 1st Class
- **Higher Secondary School Certificate (H.S.C)** in the Science Group, Rajbari Govt. College, Dhaka Board, Bangladesh, 1994
Result: 1st Division
- **Secondary School Certificate (S.S.C)** in the Science Group, Nalia S.M Institution, Rajbari Dhaka Board, Bangladesh, 1992
Result: 1st Division

ADMINISTRATIVE ASSIGNMENTS:

- Registrar (In Charge), August 12-Sept 28, 2018
- Director, Quality Assurance Cell, January 01, 2018 to till now
- Professor, ASP 2014, University Malaysia Perlis
- Additional Director, Institute of Quality Assurance Center
- Convener, SA committee (Department of ETE), IQAC, HEQEP, Jointly supervised by UGC and World Bank
- Head, Department of ETE
- Convener and Marshal, Convocation 2107.
- Co-convener, DIU Foundation Day, 2015
- Organizing Secretary, Bangladesh Electronics Olympiad, 2015
- Organizer, ICCIT, 2014
- Online Teaching Leader, Global Access Asia
- Convener, Transportation Committee, DIU Foundation Day, 2014
- Member, 4th Convocation at Ashulia Campus, Savar, Dhaka
- Managing Editor, DIU journal of Science and Technology
- Session Chair, World Congress on Engineering and Computer Science, 2011, San Francisco, USA.
- Reviewer, National and International Journal and Conference Paper
- Instructor, Cisco
- Instructor, JobsBd
- Member, Organizing committee, 3rd Convocation DIU
- Convener and Member, Gown distribution and collection committee, 3rd Convocation, DIU
- Member, Study Tour Committee
- Chair, Thesis committee, Department of ETE
- Member, Disciplinary Committee, Foundation Day, 2011 and 2012
- Chair, Course offer committee, Department of ETE, DIU
- Member, Organizing Committee, NCCIS-2012
- Convener, Entertainment Committee, NCCIS-2012

- Member, DIU purchase Committee
- Member, DIU Newsletter Committee
- Member, Syllabus Committee, Department of ETE, DIU
- Convener, Transportation Committee, DIU Foundation Day, 2013
- Convener, Registration Committee, SBYC, 2013
- Technical Session Chair, ETE Foundation day, 2013

RESEARCH PROJECT (MAJOR GRANTS/RESEARCH COLLABORATION)

- **Institutional Quality Assurance Cell (IQAC)**, Department of ETE, DIU, **Head**, SA Committee.
- **Smart Class Room**, DIU, **Advisor**.
- **Multimedia Net-Based Network, University of Applied Sciences, Darmstadt, Germany, Member**. This project was supervised by Prof. Dr. Roeder, Department of Telecommunication, University of Applied Sciences, Darmstadt, Germany.
- **Microwave Simulation and Testing, University of Applied Sciences, Darmstadt, Germany, Member**. This project was supervised by Prof. Dr. Heinz Schmiedel, Department of Telecommunication, University of Applied Sciences, Darmstadt, Germany.
- **Studies and Epidemiological Survey on the Effects of Electromagnetic Radiation (EMR)**, Ministry of ICT, Bangladesh, **Team Leader**, Under process
- **NASA Space Apps challenge**, NASA, **Mentor**
- **Data Center Design and Development**, Daffodil Online Limited
- **Automated Fingerprint Identification System**, Daffodil International University
- **Preparation Of Tor/Srs** (Terms Of Reference / Software Requirement Specification), Institutional Quality Assurance Cell, Daffodil International University

LIST OF PUBLICATIONS:

Book

1. **LTE with FDADFE: Low Power Consumption and Effective Bandwidth Optimization** (ISBN No: 978-3-330-00612-6)- Sirajum Munira, A.K.M. Fazlul Haque, LAMBERT Academic publishing, 2016.
2. **Unix-based tool for investigating Intelligent Network: A Research Based Tool** (ISBN No: 978-3-639-19690-0)- A.K.M Fazlul Haque, VDM publishing House Ltd., Amazon, 2010.
3. **Fundamentals of Communication** (ISBN No: 984-8480-163-X)- M Shamim Kaiser, Md. Arifur Rahman, Abu Md. Zafor Alam, A.K.M Fazlul Haque, 2005 .
4. **Multiple Data Transmission Techniques and Channel Optimization: For Emergency Medical Situation** (ISBN No: 978-3-639-31175-4)- A.K.M Fazlul Haque, Md. Hanif Ali, M`Adnan Kiber, VDM publishing House Ltd., Amazon, 2010.
5. **Feature Extraction of Biomedical Data: For Emergency Medical Situation** (ISBN No: 978-3-639-29874-1)- A.K.M Fazlul Haque, VDM publishing House Ltd., Amazon, 2010.
6. **Real Time ECG Signal Acquisition Monitoring** (ISBN No: 978-3- 659-47946-5)- Amena Khatun, Md. Mahfujur Rahman, A.K.M. Fazlul Haque, LAMBERT Academic publishing, 2013.

Research papers published in Refereed/Peer Journals

7. Sirajum Munira, **A.K.M Fazlul Haque**, “Adaptive Algorithm-based DFE for Low PAPR Consumption and Effective Bandwidth Utilization of MIMO LTE OFDM”, ”International Journal of Scientific & Engineering Research (IJSER), Vol 8, No.9 2016 (**THOMSON REUTERS - ISI**).
8. Shahina Haque, Md. Hanif Ali, **A.K.M Fazlul Haque**, “Variability of Acoustic Features of Hypernasality and it’s Assessment”, ” International Journal of Advances Computer Science and Applications, IJACSA, Vol 7, No.9, September, 2016 (**THOMSON REUTERS - ISI**).
9. **A.K.M Fazlul Haque**, Md. Hanif Ali, M. Adnan Kiber “**Improved Spectrogram Analysis for ECG Signal in Emergency Medical Applications**” International Journal of Advances Computer Science and Applications, IJACSA, Vol 1, No.3, September, 2010 (**THOMSON REUTERS - ISI**).
10. **A.K.M Fazlul Haque**, Md. Hanif Ali, M. Adnan Kiber “**High Quality Integrated Data Reconstruction for Medical Applications**” International Journal of Advances Computer Science and Applications, IJACSA, Vol 1, No.3, September, 2010 (**THOMSON REUTERS - ISI**).
11. **A.K.M Fazlul Haque**, Md. Hanif Ali, M. Adnan Kiber “**Multipath Fading Channel Optimization for Wireless Medical Applications**” International Journal of Advances Computer Science and Applications, IJACSA, Vol 1, No.4, October,2010 (**THOMSON REUTERS - ISI**).
12. Patrashiya Magdolina Halder, **A.K.M Fazlul Haque**,” **Improved Echo cancellation in VOIP**”, International Journal of Advances Computer Science and Applications, Vol2, No.11, 2011 (**THOMSON REUTERS - ISI**).
13. **A.K.M Fazlul Haque**, Mir Mohammad Abu Kyum, Md. Baitul Al Sadi, Mrinal Kar, Md. Fokhray Hossain, “**Performance Analysis of UMTS Cellular Network using Sectorization Based on Capacity and Coverage**”, International Journal of Advances Computer Science and Applications, Vol 2, No6, 2011(**THOMSON REUTERS – ISI**).
14. **A.K.M Fazlul Haque**, Md. Hanif Ali, M. Adnan Kiber, Md. Tanvir Hassan “**Detection of Small Variations of ECG Features Using Wavelet**” ARPN International Journal of Engineering and Applied Sciences, Vol.4, No.6, August,2009, **SCOPUS (Elsevier, USA)**.
15. **A.K.M Fazlul Haque**, Md. Hanif Ali, M. Adnan Kiber, Md. Tanvir Hassan “**Bandwidth Optimization of Individual Hop for Robust Data Streaming on Emergency Medical Application**” ARPN International Journal of Engineering and Applied Sciences, Vol.4, No.8, October, 2009 **SCOPUS (Elsevier, USA)**.
16. **A.K.M Fazlul Haque**, Md. Hanif Ali, M. Adnan Kiber “**Biomedical Image Analysis Using Wavelet Tools for Emergency Medical Applications**” ARPN International Journal of Engineering and Applied Sciences, Vol 5, No 1, 2010, **SCOPUS (Elsevier, USA)**.
17. M. Shamim Kaiser, M Arifur Rahman, M M Rahman, **A K M Fazlul Haque**, Abu Md. Zafor Alam, “**Hybrid Option Analysis for Power System in Bangladesh**”, Asian Journal of Engineering and Applied Science, Vol. 1 Issue. 3, ISSN: 1816-949X, 2006, **SCOPUS**.
18. M. Shamim Kaiser, M Mostafizur Rahman, M Arifur Rahman, **A K M Fazlul Haque**, M Abu Taher, S K Aditya, “**An Optimal Operation Strategy of an Integrated Energy System for a Typical Village in Bangladesh**”, Asian Journal of Engineering and Applied Science, Vol 1 Issue: 4, ISSN: 1816-949X, 2006, **SCOPUS**.

19. Md. Rashedul Hauque, Md. Zahirul Islam, **A.K.M Fazlul Haque**, Moheuddin Ahmed, “ **Improved BER Detection of CDMA IS95A Forward Traffic Channel**”, International Journal of Computer Information Systems, Vol 4, No 4, 2012, **SCRIBD**.
20. **A.K.M Fazlul Haque**,” **Analysis And Investigation Of Block Coded Based Convolution Encoding**”, International Journal of Latest Trends in Computing, Vol-5 No. 1, March 2014, **SCRIBD**.
21. **A.K.M Fazlul Haque**, A.F.M. Shahan Shah, Md. Abdul Hannan, Nusrat Jahan, jasim Uddin Ahmed, Md. Abu Saleh ” **High Performance Analysis of Frequency Reuse Schemes in Cellular Mobile Environment**”, International Journal of Latest Trend in Computing, Volume 2, Issue 1, March 2011, **SCRIBD**.
22. Sharmin Sultana Shompa, Farhana Afroz and **A.K.M. Fazlul Haque**, **Analysis on Fractional Frequency Reuse Factor Over Traditional Frequency Reuse Factor in Cellular System**, International Journal of Wireless & Mobile Networks (IJWMN) Vol. 7, No. 5, October 2015, **SCRIBD**.
23. S. I. M.M. Raton Mondal, A.A.M Muzahid, Md. Zahirul Islam, **A.K.M Fazlul Haque**, “**Acoustic Echo Cancellation For the Advancement in Telecommunication**”, International Journal of Advance Innovations, Thoughts & Ideas, Vol 2 issue 1, 2013, **EBSCO**.
24. **A.K.M Fazlul Haque**, “**Frequency Analysis and Feature Extraction of Impressive Tools**”, International Journal of Advance Innovations, Thoughts & Ideas, Vol 2 issue 2, 2013, **EBSCO**.
25. **A.K.M Fazlul Haque**,” **FFT and Wavelet-Based Feature Extraction For Acoustic Audio Classification**”, International Journal of Advance Innovations, Thoughts & Ideas, Vol 1, No.1, 2012, **EBSCO**.
26. **A.K.M Fazlul Haque**, “**Improved Detection of ECG Features Using Wavelet For Emergency Medical Application**” International Journal of Advance Innovations, Thoughts & Ideas, Vol 1 No.2, 2012, **EBSCO** .
27. **A.K.M Fazlul Haque**, Md. Hanif Ali, M. Adnan Kiber “**Remote Patient Monitoring System Using Wireless Communication**” Jahangir Nagar University Journal of Science, Bangladesh, Vol 31 No. 1, 2009.
28. **A.K.M Fazlul Haque**, Md. Hanif Ali, M. Adnan Kiber, Md. Tanvir Hassan “**Transparent and Efficient Block-Coded Data through HDLC Networks for WAN Applications**” Jahangirnagar University Journal of Science, Bangladesh, 2010, Vol 32 No.2.
29. **A.K.M Fazlul Haque**, Md. Hanif Ali, M. Adnan Kiber, Md. Tanvir Hassan “**Automatic Feature Extraction of ECG Signal using FFT**” Journal of Bangladesh Electronic Society, Vol 9, No. 1-2, 2009.
30. **A.K.M Fazlul Haque**, Amin Ahsan Ali, M. Shamim Kaiser, “**Analysis and Investigation of a high performance intelligent network using a Unix-based Tool**, Journal of Bangladesh Electronic Society, Vol 6, Issue 2, 2011.
31. **A.K.M Fazlul Haque**, M. Shamim Kaiser, S. K. Aditya, “**Background Noise Cancellation using Adaptive LMS algorithm**” Journal of Bangladesh Electronic Society, Volume 6, Issue 2, 2005.
32. M Shamim Kaiser, M Mostafizur Rahman, M Arifur Rahman, **A K M Fazlul Haque**, S. K Aditya “**Optimal Sizing of Hybrid Photovoltaic-Wind-Diesel Energy Systems** ” International Journal of Renewable Energy, An official journal of WREN, 2006.

33. **A.K.M Fazlul Haque**, Nur. Md. Shamsuddoha, S.M. Mostafizur Rahman, “**Performance Analysis of Structured Cabling with Router**” Daffodil International University Journal of Science and Technology, Vol 2, Issue 2, 2005.
34. **A.K.M Fazlul Haque**, Mahdi Roksana, “**Analysis of Shortest Path Packet Tracing of Routers**” Daffodil International University Journal of Science and Technology, Vol 3, Issue 1, 2006.
35. M. Shamim Kaiser, **A.K.M Fazlul Haque**, M Arifur Rahman, Abu Md. Zafor Alam, M. Mostafizur Rahman, S.K Aditya, “**Low Cost Digital Solar Insulation Meter**”, Daffodil International University Journal of Science and Technology, Vol 1 Issue: 1, 2006.
36. **A.K.M Fazlul Haque**, “**Spectrogram Analysis for ECG Signal in Medical Applications**” Journal of Computer Science, IBAIS University, Dhaka, Bangladesh, 2008.
37. **A.K.M Fazlul Haque**, Poppy Siddiqua, Md. Tanvir Hassan “**Enviable Parameters Extraction and Enhanced Performance of Digital filters using FDA tool**” Journal of Bangladesh Electronic Society, Vol 9, No. 1-2, 2009.
38. Md. Ariful Islam, **A.K.M Fazlul Haque**, M. Shahjahan Ali, Moheuddin Ahmed, “**Construction and Implementation of A Cost Effective Laser Ray Touch Screen Technology**”, Journal of Bangladesh Electronic Society, 2012.
39. **A.K.M Fazlul Haque**, Sagar Chandra Kar, “**Enhanced Map Outage Factor Optimization for WiMAX**” Daffodil International University Journal of Science and Technology, Vol9, Issue1, 2014.
40. Md.Tarek Uz Zaman, Delower Hossain, Md.Taslim Arefin, Md.Azizur Rahman, Syed Nahidul Islam, **A.K.M Fazlul Haque**, “**Wireless Applications of Telemedicine Network for public Health in Bangladesh**” International Journal of Emerging Technology & Advanced Engineering, Volume 2, Issue 10, Page(s): 53-59, 2012 .
41. Md. Tarek-Uz-Zaman, Delower Hossain, Md. Bodiuzzaman, Md. Mehedi Jowbaied Jaman Anu, **A.K.M Fazlul Haque**, “**Comparative Analysis of De-Noising on ECG Signal**” International Journal of Emerging Technology & Advanced Engineering (ISSN 2250-2459, ISO 9001:2008 Certified Journal), Volume 2, Issue 11, November 2012.
42. Md.Masud Parvez, Shohana Chowdhury, S.M.Bulbul Ahammed, **A.K.M Fazlul Haque**, Mohammed Nadir Bin Ali, “**Improved Comparative Analysis of Mobile Ad-hoc Network**”, International Journal of Emerging Technology and Advanced Engineering, Vol2, Issue 8, August 2012.
43. Md.. Shofiquel Islam, Md. Al Muzadded, Md. Ibrahim Miah, **A.K.M Fazlul Haque**, Farhan Mahbub and Engr. Mohammad Ziaur Rahman, “**Performance Analysis of MPLS Network and Non MPLS Network**” Journal of Electrical Engineering The Institution of Engineers, Bangladesh Vol. EE 39, No.I & II, June & December, 2013.
44. Mahmudul Hassan, **A.K.M Fazlul Haque**, Moheuddin Ahmed, Nadir Bin Ali, “**Comparative Analysis of wavelet based Image compression Techniques**” Bangladesh Electronic Society, Vol 12, No 1-2, 2012.

45. **A.K.M Fazlul Haque**, “**Spectrogram Analysis for Acoustic Audio Classification**”, Journal of Bangladesh Electronic Society, Vol 13, no. 1-2, July, 2013.
46. Mohammad Mahfujur Rahman , Amena Khatun , **A.K.M Fazlul Haque** , Shafee-Ul-Mahmud Chowdhury, ‘**Implementation of Secured IP Telephony System**’, Journal of ICT, Jahangirnagar University, 2015.
47. **A.K.M Fazlul Haque**, Tanver Ahmed, Farzana Hoq, Mahmudul Hasan, Farhan Mahbub, Mu. Shahadat Hossain, “**Voice Interfacing Automatic Moving Camera**”, “ Journal of Electrical Engineering The Institution of Engineers, Bangladesh Vol. EE 40, No.I & II, June & December, 2014.
48. **A.K.M Fazlul Haque**, Mahfujur Rahman, Amena Khatun, “**Real Time ECG Signal Acquisition, Monitoring And Transmission For Emergency Cardiac Situation**”, Journal of Bangladesh Electronic Society, Vol 13, no. 1-2, July, 2013.
49. Md. Zahirul Islam , **A.K.M Fazlul Haque**, Sumon Hermon Costa, Azmol Hossain Azad, “**Comparative Performance Analysis of Different Routing Protocol in IEEE 802.15.4**”, Daffodil International University Journal of Science and Technology, Vol 10, issue1-2, 2015.
50. Md.Zahirul Hasan, **A. K. M. Fazlul Haque** “**Zigbee Based Wireless Mesh Network Controlling Through Web Server**”, International Journal of Scientific Engineering and Applied Science (IJSEAS) – Volume-2, Issue-1, January 2016.
51. Sirajum Munira, **A.K.M Fazlul Haque**, “Adaptive RLS-LMS-based FDADFE for Low PAOR Consumption and Effective Bandwidth Utilization of LTE OFDM”, Journal of Bangladesh Electronics Society, Vol 16 Number 1-2, June-Dec, 2016.
52. **Md. Taslim Arefin**, Mohammad Hanif Ali, A.K.M Fazlul Haque, “Wireless Body Area Network: An Overview and Various Applications”, Journal of Computer & Communications (JCC), Vol.5, No.7, pg 53-64, May 2017. (**Thomson Reuters - ISI**)
53. **Md. Taslim Arefin**, Mohammad Hanif Ali, A.K.M Fazlul Haque, “A Comparative Analysis of Short Range Wireless Protocols For Wireless Sensor Network, ”**International Journal of Scientific & Engineering Research (IJSER)**, Vol 8, Issue 4, April, 2017, France. (**Thomson Reuters - ISI**)
54. Ashiru Garba Abdullahi, **Fazlul Haque A. K. M.** Musa Garba Abdullahi, Mutari Ali hajara & Saratu Garba Abdullahi, ‘Measurement of Radiation Dose on Medical Workers in Selected Hospitals in Dhaka Bangladesh’, 2018, CPQ Medicine, Vol 1 issue 2, May, 2018.
55. Mahmudul H., Sirajum M., Syed N. S., A.K.M. F.H., Shahina H., Tasnim I. R. ‘**Design and Development of an LNB based DVB-S receiver**’ **International Journal of Engineering and Technology**, 7 (3.19) (2018) 66-71, 2018. (Scopus Indexed).
56. Sirajum Munira, Humaira Sadia, Samara Fahin, Ashraf Siddik, **A.K.M. Fazlul Haque**, ‘DSR and OLSR routing protocol based performance evaluation and integration on MIP with MANET’, Indonesian Journal of Electrical Engineering and Computer Science, <http://doi.org/10.11591/ijeecs.v17.i3.pp%25p> (Scopus Indexed).
57. Md. Abbas Ali Khan, Mohammad Hanif Ali, **A. K. M. Fazlul Haque**, “Machine Learning-Based Driving License Management through Wireless Ad-Hoc Networks Using NFC,” *International Journal of Recent Technology and Engineering*, Vol. 8 Issue -5, pp. 5146-5152 January 2020, Blue Eyes

- Intelligence Engineering & Sciences Publication, India ISSN: 2277-3878 (Online)- Scopus.
58. Md. Abbas Ali Khan, Mohammad Hanif Ali, **A. K. M. Fazlul Haque**, Chandon Debnath, Md. Ismail Jabiullah “A Detailed Exploration of Usability Statistics and Application Rating Based on Wireless Protocols,” J. ADV COMP ENG TECHNOL, 6(1) Winter 2020: 9-18, Science and Research Branch, Islamic Azad University, Iran (ISC).
 59. Md. Abbas Ali Khan, Mohammad Hanif Ali, **A.K.M Fazlul Haque**, Chandan Debnath, Shohag Kumar Bhowmik, ‘An Efficient and Optimized Tracking Framework through Optimizing Algorithm in a Deep Forest Using Near Field Communication’, "IJEECS" Vol 19, No 2. 2020 (Scopus).
 60. **A.K.M. Fazlul Haque**, Md. Habibullah Pappu, Kabir Hossain Tutul, Mahim Bin Firoz , Syed Nazmus Sakib , ‘Wavelet Based EEG Signal Analysis for Detection of Small Abnormalities’, Science World Journal of Biomedical Research and Review (Academica), September 2020.
 61. Md. Abbas Ali Khan, Ali-Emran, Md. Alamgir Kabir, Mohammad Hanif Ali, **A. K. M. Fazlul Haque** , “ Sentiment Analysis through Machine Learning,” Journal of Southwest Jiaotong University , vol. 56, no. 3, June 30, 2021, Published by Science Press, ISSN: 0258-2724 (Online), DOI : 10.35741/issn.0258-2724.56.3.32 - **Scopus-Q2**.
 62. Shahina Haque, Md. Hanif Ali and **A.K.M. Fazlul Haque**, “Effect of Inter-Speaker Hypernasality Variation”, International Journal of Engineering Research & Technology (IJERT), Vol. 10 Issue 04, April-2021.
 63. Shahina Haque, Md. Hanif Ali and **A.K.M. Fazlul Haque**, ”Generating Vowel Nasality for a Rule-Based Bangla Speech”, International Journal of Advanced Trends in Computer Science and Engineering’, Volume 10, No.1, January - February 2021.
 64. A. K. M. Fazlul Haque, Rifatul Islam Himel, Tithy Chakrabartty, Nafees Imtiaz Islam, “OPTIMIZING A VARIATIONAL QUANTUM CLASSIFIER THROUGH THE BEHAVIOR ANALYSIS OF ITS COMPONENTS”, Journal of Ecology and Natural Resources, Vol.06 Issue 03, August 26, 2022.

Research papers published in Refereed/Peer Reviewed Conferences

65. Shahina Haque, Md. Hanif Ali and A.K.M. Fazlul Haque, "Cross-Gender Acoustic Differences in Hypernasal Speech and Detection of Hypernasality," International Workshop on Computational Intelligence (IWCI 2016), 12-13 December 2016, IEEE Dhaka.
66. Abdullaziz Yasin Nageye , **A.K.M. Fazlul Haque**, Sirajum Munira, Zahirul Islam and Mizanur Rahman, **“Content Delivery Network Architecture and Load Balancing”**, International Conference on Engineering Research, Innovation and Education (ICERIE), 13– 15 January, 2017,SUST, Sylhet, Bangladesh.
67. Md. Zahirul Islam, **A.K.M Fazlul Haque** , Moheuddin Ahmed,” **A Comparative Analysis of different real time applications over various queuing techniques”**, ICIEV, IEEE,2012.
68. Mohammad Mahfujur Rahman , **A.K.M Fazlul Haque** , Mahmudul Hasan , Najnin Sultana, Md. Zahirul Islam, , **“Designing and Development of Voice to Machine Interfacing Technique”**, ICEEICT, IEEE, 2015.
69. Amena Khatun, **A.K.M Fazlul Haque**, Sabbir Ahmed, Mohammad Mahfujur Rahman, **“Design and Implementation of Iris Recognition Based Attendance Management System”**, ICEEICT, IEEE, 2015.
70. **A.K.M Fazlul Haque**, Mohammad Mahfujur Rahman, Amena Khatun, Muhammad Younus and Jahanara Fardous Chowdhury, **“Voice and Irish Based Automatic Moving Camera”**, International Conference on Reliability, Infocom, Technologies, and Optimization (ICRITO 2015), IEEE.
71. **A.K.M Fazlul Haque**, Sagar Chandra Kar, Khandakar, Asif Adnan, Kawsar Ahammed, **“Map Outage Factor Optimization for WiMAX”** , International Conference on Computer and Information Technology (ICCIT), IEEE, 2010.
72. Mahmudur Rahman, Md. Asif Hassan Riyad, Md. Ibn Sinha, **A.K.M Fazlul Haque** **“Security Enhancement of WEP Protocol IEEE802.11b with Dynamic Key Management**, World Congress on Engineering and Computer Science, San Francisco, USA, 2011 (WCECS 2011).
73. **A.K.M Fazlul Haque**, Amin Ahsan Ali, **“Investigation of an Intelligent Network Using a Unix-based Tool”**, The Proceedings of International Conference on Computer and Information Technology, 28-30 December, Dhaka, IEEE, 2005.
74. M.Shamim Kaiser, M H Bhuyan, **A.K.M Fazlul Haque**, S A Sharna, N Sultana, **“Cost Effective Digital Solar Insulation meter”** The Proceedings of International Conference on Computer and Information Technology, 28-30 December, Dhaka, IEEE, 2005.
75. Ajoy Kumar Dey, Khandakar Hayet Mahmud, Atanu Deb Nath, **A. K. M Fazlul Haque**, **“Design and Development of Intelligent Network for Teletalk Bangladesh Ltd.”** The Proceedings of the

- National Conference on Communication and Information Security, Daffodil International University, Bangladesh, 24th November, 2007.
76. Md. Saidul Alam Khandaker, **A.K.M Fazlul Haque**, “**Comparative Analysis of Packet Switched Networks Over Circuit-Switched Networks.**” The Proceedings of the National Conference on Communication and Information Security, Daffodil International University, Bangladesh, 14th February, 2009.
 77. **A.K.M Fazlul Haque**, Md. Hanif Ali, M. Adnan Kiber “**Wireless Applications of Telemedicine Network for Public Health in Bangladesh**” National Conference on Electronics, Information and Telecommunication, 29-30 June, 2007.
 78. Hasan Mahmood, Md. Shamim Jahan, S.M Nafiur Rahman, **A.K.M Fazlul Haque** “**1D AND 2D SIGNAL ANALYSIS USING WAVELET TOOLS**” Proceedings of the Conference on Engineering Research, Innovation and Education, Sylhet, Bangladesh, 11-13 January, 2010 CERIE 2010.
 79. **A.K.M Fazlul Haque**, Md. Arafat Rahman Rana, Md. Lutfar Rahaman “**Bio-Medical Data Acquisition and Transmission using Bluetooth Technology for Medical Application**”, National Conference on Engineering Research Innovation and Education, SUST, Sylhet, Bangladesh, 2011.
 80. S. Haque, M. A. Hanif and **A. K. M. Fazlul Haque**, “A Study on the Variation of Extracted Features of Pathological Speech”, Proceedings of International Conf. on Physics - 2016, 10-12 March, 2015, Dhaka.
 81. Sirajum Munira, **A. K. M. Fazlul Haque**, “Adaptive RLS-LMS-based FDADFE for Low PAOR Consumption and Effective Bandwidth Utilization of LTE OFDM”, Proceedings of National Conf. on Electronics and ICT - 2017, 20 April, 2017, Dhaka.
 82. Abdullaziz Yasin Nageye, **A. K. M. Fazlul Haque**, Sirajum Munira, Zahirul Islam, Mizanur Rahman “Content Delivery Network Architecture and Load Balancing”, Proceedings of the International Conference on Engineering Research, Innovation and Education 2017, ICERIE 2017, 13 - 15 January, SUST, Sylhet, Bangladesh.
 83. Shapna Rani Sutradhar, Nazmus Sayadat, Ashfiqur Rahman, Sirajum Munira, **A.K.M. Fazlul Haque**, Syed Nazmus Sakib “IIR Based Digital Filter Design and Performance Analysis”, Proceedings of International Conference on Telecommunication and Networks 2017, TELNET 2017, IEEE. 10 - 11 August, Delhi, India. ((**Scopus Indexed**)).
 84. Abdirisak Dahir Karie , **A.K.M. Fazlul Haque**, “**Comparative Evaluation of Diverse Dispersion Compensation Techniques for Optical System**”- International Conference of Electronics and ICT’ November 25-26, 2018, Atomic Energy Center, Dhaka, Bangladesh.
 85. **A.K.M. Fazlul Haque**, “Envisioning the Industrial Revolution 4.0 and the Age of Emerging Technologies, Disruption and Change”- International Conference of Electronics and ICT’ November 25-26, 2018, Atomic Energy Center, Dhaka, Bangladesh.
 86. **A.K.M. Fazlul Haque**, “Integrating Industry Expertise for Cutting Edge Curricula in Higher Education”- 1st AUAP and IFCU Joint International Conference and the 16th AUAP General Conference , November 18-21, 2018, Pattaya, Thailand.
 87. **A.K.M. Fazlul Haque**, “Future Challenges and Prospects of Fourth Industrial Revolution (IR 4.0): Bangladesh Context” - National Conference of Electronics and Informatics’ December 4-5, 2019, Atomic Energy Center, Dhaka, Bangladesh.
 88. Naeim Khan, Rezwanul Bari, Roknuzzaman, Sirajum Munira and **A.K.M. Fazlul Haque**,

- “Performance evaluation of Proportional Fair and Round Robin Algorithm for Downlink Resource Schedulers at different User Mobility”, 22nd International Conference on Computer and Information Technology (ICCIT), 18-20 December, 2019, SEU, Dhaka, Bangladesh, IEEE.
89. Md. Abbas Ali Khan, Mohammad Hanif Ali, **A.K.M Fazlul Haque** “IoT-NFC Controlled Remote Access Security and an Exploration through Machine Learning”, Proceedings 2020 Eighteenth International Conference on ICT and Knowledge Engineering November 18-20, 2020 Bangkok, Thailand.
 90. Md. Abbas Ali Khan, Mohammad Hanif Ali, A.K.M. Fazlul Haque, Chandan Debnath, Md. Ismail Jabiullah, Md. Riazur Rahman, “**An App-Based IoT-NFC Con-trolled Remote access Security through Cryptography Algorithm,**” 5th International Conference on Information and communication technology for competitive strategies, Jaipur, India 2020. [Scopus Indexed, Springer.
 91. Md. Abbas Ali Khan., Ali M.H., **Haque A.K.M.F.**, Debnath C., Jabiullah M.I., Rahman M.R. (2021) An App-Based IoT-NFC Controlled Remote Access Security Through Cryptographic Algorithm. In: Kaiser M.S., Xie J., Rathore V.S. (eds) Information and Communication Technology for Competitive Strategies (ICTCS 2020). Lecture Notes in Networks and Systems, vol 190. Springer, Singapore. https://doi.org/10.1007/978-981-16-0882-7_9 (Scopus Indexed)
 92. Md. Abbas Ali Khan , Mohammad Hanif Ali , **AKM Fazlul Haque** , Md. Iktidar Islam , Mohammad Monirul Islam, ‘A Novel Compound Feature based Driver Identification’, (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 13, No. 12, 2022.

CONFERRED:

- Editor, Journal of Ecology & Natural Resources (JENR), MedWin Publishers
- Editor, MULTIDISCIPLINARY RESEARCH AND REVIEWS (Science World Publishing)
- Editor, Daffodil International University Journal of Science and Technology.
- Fellow, Bangladesh Computer Society (BCS)
- Life Member, IEB
- Member, German Telecommunication Engineers
- Member , IEEE
- Advisor, IEEE section, DIU
- Member, International Society for Development and Sustainability (M173747)
- Life Member, Bangladesh Electronic Society (BES)
- Instructor, Cisco Networking Academy
- Instructor, Cisco ITE
- Session Chair, World Congress on Engineering and Computer Science, 2011, San Francisco, USA
- Session Co-chair, National Conference on Communication and Information Security, 25th December, 2007, Daffodil International University, Bangladesh.
- Reviewer, National and International Journal and Conference Paper

- Session Chair, ICCIT
- Session Chair, ICEEICT
- Session Chair, ICRITO
- 1st prize, project award, Workshop on “**Mobile Telephony Technology, Business, Management and Operation**”, Department of Computer Science and Engineering, North South University, Bangladesh, 2005.
- Founder President, CSEDIU Alumni Association
- Member, Alumni Association of German Universities in Bangladesh
- Joint Secretary (Academic), Bangladesh Computer Society
- Reviewer, IEEE
- Reviewer, Elsevier
- Member, Quality Assurance Unit, Association of the Universities of Asia and Pacific
- Member, Research and Innovation Team, Association of the Universities of Asia and Pacific
- Member, Blended Learning Center, DIU

TALKS GIVEN

Conference Talks Given

1. International Conference on Electrical Engineering and Information and Communication Technology (ICEEICT), Jahangirnagar University, Dhaka, Bangladesh, 2015.
2. International Conference on Reliability, Infocom Technology and Optimization (ICRITO), Amity University, India, 2015.
3. International Conference on Informatics, Electronics and Vision, Dhaka, Bangladesh, 2014.
4. International Conference on Computer and Information Technology (ICCIT), Daffodil International University, Dhaka, Bangladesh, 2014.

Seminar Talks Given

5. Cisco SAARC Academy Meet, Bangalore, India
6. Cisco Meet, American International University of Bangladesh (AIUB), Dhaka, Bangladesh.
7. Cisco Meet, Brack University, Dhaka, Bangladesh.
8. Cisco Meet, Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh.
9. Cisco Academy, Elite Judge, Dhaka, Bangladesh.
10. Telecommunication in Bangladesh, Daffodil International University, Dhaka, Bangladesh.
11. Cyber Security, Daffodil International University, Dhaka, Bangladesh, 2014.
12. Research Methodology, Daffodil International University, Dhaka, Bangladesh, 2015.
13. A Researcher’s guideline to technical paper writing, IEEE, 2017

Workshop Talks Given

14. Workshop on MATLAB, Jobsbd, Dhaka, Bangladesh, 2014.
15. Workshop on Packet Tracer, DIU, Dhaka, Bangladesh, 2014.
16. Workshop on Cisco Academy, DIU, Dhaka, Bangladesh, 2014.
17. Workshop on Network Security, Bangladesh Computer Society, 2015.
18. Workshop on IQAC, DIU, Dhaka, Bangladesh, 2015.
19. Workshop on Cisco Academy, Saint Joseph High School, Dhaka Bangladesh, 2014.

Invited Talks Given

20. Cyber Security and Bangladesh, NTV, Dhaka, Bangladesh, 2015.

SERVED AS REVIEWER:

1. Elsevier
2. Scopus
3. Daffodil International University Journal of Science and Technology.
4. Journal of Electrical Engineering, Institution of Engineers, Bangladesh.
5. International Journal of Advances Computer Science and Applications, IJACSA.
6. IEEE

AWARD & SCHOLARSHIP:

- Most Outstanding Professor Award, World Education Congress 2020.
- IEEE CS Bangladesh Academic and Research Excellence Award, 2019
- Best Paper Award, ICRITO, IEEE.
- M.Sc program sponsored by German Government
- Visiting Scholar, University of Delaware, USA
- Students merit scholarship from B.Sc program
- Scholarly Publication in reputed Journal

WORKSHOP AND SHORT COURSE ATTENDED:

- A 3-Day Workshop on “**Mobile Telephony Technology, Business, Management and Operation**”, Department of Computer Science and Engineering, North South University, Bangladesh.
- A 4-Day training on “**Time Management and Introduction to HRM**”- in collaboration with PUM Netherlands Management Corporation and Daffodil International University, Bangladesh.
- A 1-Day workshop on “**Advanced Networking Technology**”- Cisco SAARC Academy Meet, Bangalore, India.
- Quality on Higher Education in Bangladesh, Jointly organized by UGC and German Higher Education Association, 2014.

WORKSHOP AND SHORT COURSE CONDUCTED:

- Workshop on “**Computer Networking**”, Jobsbd, Bangladesh
- Workshop on “**Computer Networking**”, Daffodil Institute and Technology, Bangladesh
- Workshop on “**Computer Networking**”, Daffodil International University, Bangladesh
- Workshop on “**Matlab and it's Application**”, Jobsbd, Bangladesh

SEMINAR PRESENTED (PHD LEVEL):

- Multiple Data Transmission Using Wireless for Medical Applications- Department of Computer Science and Engineering, Jahangirnagar University, Savar, Dhaka, Bangladesh, 4th July, 2009.
- Data Analysis, Transmission Techniques and Bandwidth Optimization for Medical Situation - Department of Computer Science and Engineering, Jahangirnagar University, Savar, Dhaka, Bangladesh, 19th December, 2009.

COMPUTER SKILLS:

- **Hardware Maintenance & Software Installation.**
- **Operating System:** Microsoft Windows, UNIX
- **Microsoft Office**
- **Circuit and PV design tools:** Matlab, TLM, PUFF, Electronics Workbench, Packet tracer.
- **Computer language:** C/C++, Java, Oracle, Assembly language, HTML.

COMMUNICATION SKILL:

- **English:** Fluent in reading, writing and speaking.
- **Bengali:** Mother tongue.
- **German:** Completed G1 and G2 course from University of Applied Sciences, Darmstadt, Germany.

INTERESTED SUBJECT TO TEACH:

- **Telecommunication Engineering**
- **Biomedical Engineering**
- **Digital Signal Processing**
- **Computer Networking**
- **Satellite Communication**
- **Advanced Wireless Communication**
- **Microelectronics & VLSI**
- **Data Communication**
- **Information Theory and Coding**
- **Digital Image Processing**

RESEARCH AREA:

- **Signal Processing**
- **Wireless Communication**

- **Intelligent Network**
- **Telemedicine**
- **Energy System**
- **Computer Networking**

SUPERVISION:

A large number of Project/Thesis (B.Sc and M.Sc level) have been supervised by me. PhD supervision is also going on.

- ✓ Digital Image Watermarking on Medical Images
- ✓ Performance Analysis of UMTS Cellular Network Using Sectorization Based On Capacity And Coverage
- ✓ Security Enhancement Of WEP Protocol Ieee802.11b With Dynamic Key Management
- ✓ Structured Networking Design And Performance Analysis Of DIIT Campus
- ✓ Performance Analysis Of JBR Protocol With Existing Ado Routing Protocols
- ✓ Echo Cancellation Void
- ✓ Improved Feature Extraction Of Digital Filter Using FDA Tool
- ✓ Design And Implementation Of Wifi Network For DIU
- ✓ Map Outage Factor Optimization For Wimax
- ✓ Performance Analysis Of MPLS Network And Non MPLS Network
- ✓ High Performance Analysis Of Frequency Reuse Schemes In Cellular Mobile Environment
- ✓ Performance Evaluation & BER Detection of CDMA Is-95a Forward Traffic Channel.
- ✓ Inter Symbol Interference And Inter Carrier Interference Optimization Of Multipart Fading Channel
- ✓ 1d And 2d Signal Analysis Using Wavelet Tools
- ✓ Network Design, Maintenance And Troubleshooting For DIU Campus
- ✓ Efficient Bandwidth Optimization In Telecommunication
- ✓ Performance Analysis Of Handover Algorithm For Multiple Network Access Enabled Mobile Devices
- ✓ Roll Out Activities And Network Implementation For Graeme Phone
- ✓ Typical Analysis And Solution Discontinuous Network of Routing Wire Line And Wireless Communication
- ✓ Biological Data Acquisition, Wireless Transmission Using Bluetooth Technology
- ✓ Internet And Intranet Connectivity Using Wireless Local Area Network (WLAN)
- ✓ Real Time Integrated Data Transfer Technique Using Wireless System for Medical Application.
- ✓ Roll Out Activities And Network Implementation For Graeme Phone
- ✓ Hybrid Frequency Planning From The Analysis of Performance For Frequency Reuse Schemes In Cellular Mobile Environment
- ✓ Study on Long Term Evaluation
- ✓ Network Design, Maintenance And Troubleshooting For DIU Campus
- ✓ Structured Networking Design and Performance Analysis Of DIIT Campus
- ✓ Performance Analysis of MPLS Network And Non MPLS Network
- ✓ Performance Evaluation of Is95a CDMA Forward Traffic Channel
- ✓ Wireless Mobile Charging System
- ✓ Secured Data Communication System of General Pharmaceutical Limited
- ✓ Implementation and Call Dropped Problem Analysis of Base Transceiver Station in Cellular System.
- ✓ Construction And Implementation of Laser Ray Touch Screen.
- ✓ Improved comparative analysis of MANET
- ✓ GSM 1308 Modem Control Using PIC-16F877A Microcontroller
- ✓ Wireless Application of Telemedicine Network for public Health in Bangladesh
- ✓ Analytical Study on Static and dynamic Routing Protocols
- ✓ Comparative Analysis of De-noising of ECG Signal

- ✓ Speech Recognition for data Security
- ✓ End Users Access Cloud-Based Application
- ✓ Secured unauthorized Voice Detection System
- ✓ Real time ECG signal Acquisition, Monitoring and Transmission for Emergency Cardiac Situation
- ✓ IPV6 Based DIU Campus Network
- ✓ 2G Network Evaluation Test Procedures
- ✓ Microcontroller based real time communication using USART
- ✓ A comprehensive study on data communication system of national bank limited
- ✓ IPv4- based Redistribution solution of Dynamic Routing
- ✓ Real Time Remote patient Monitoring system
- ✓ Network Management and Monitoring System
- ✓ Linux based cloud computing
- ✓ Comparative Evaluation of MPLS and Non-MPLS Network
- ✓ Analysis and Investigation of Block Coded Based Convolution Encoding
- ✓ Implementation of Secured IP Telephony System
- ✓ Voice Interfacing Automatic Moving Camera
- ✓ IRIS Recognition based attendance management system
- ✓ Comparison Between 16QAM And 16 QPSK In Long Term Evolution Technology
- ✓ Asterisk Based Customer Relationship Management(CRM) Integration.
- ✓ 3G Network Up-Gradation on Robi, Axiata Bangladesh Ltd.
- ✓ Voice and Iris Based Automatic Moving Camera
- ✓ Analysis of Underwater Wireless Optical Communication Network
- ✓ UART Based Home automation System with Audio Video Facilities
- ✓ Voice and Iris Based Automatic Moving Camera
- ✓ Video Quality Improvement of IPTV System
- ✓ Security Analysis and Countermeasures Against Attacks on VoIP Systems
- ✓ 1D, 2D and 3D signal analysis using wavelet tool
- ✓ A Study Of Network Performance Monitoring By Solar Winds Software
- ✓ Security Analysis Of An Office Networking System Using Firewall
- ✓ A Study of Networking with Linux and Windows with File Sharing
- ✓ Quad Band Mobile Jammer for GSM, CDMA, 3G and LTE
- ✓ 2G Cellular Network Commissioning & Activation
- ✓ Analysis on Channel Modeling for Ultra Wideband Wireless Communication
- ✓ VOIP Network QoS Using SIP/H.323 & Scope For Improvement
- ✓ Performance Evaluation of V2V Technology and its Application: The future of Vehicle Crash Avoidance
- ✓ Content Delivery Network Architecture and Load Balancing
- ✓ Density Base Traffic Service Management Scheme
- ✓ Systems & Network Administration Using Linux and Mikrotik Platform
- ✓ Analysis on Face Detection and IRIS Based Security System
- ✓ Web Server Vulnerability Testing and Risk Analysis
- ✓ EMG Signal Analysis on Detection and Diagnosis of Healthy and Neuropathy Muscular Diseases
- ✓ EMG Signal Analysis on Detection and Diagnosis of Healthy and Neuropathy Muscular Diseases
- ✓ DSR and OLSR Routing Protocol Based Performance Evaluation and Integration on MIP with MANET
- ✓ Comparative Study on the Performance of Round Robin and Proportional Fair Downlink Resource Schedulers at Different State of User Mobility in LTE
- ✓ Analysis of radio propagation environment for 5G cellular network

PERSONAL DETAILS:

Father's Name: Late Abdul Jalil Miah

Mother's Name: Mossamad Fatema Jalil

Sex: Male

Birth: 01 December, 1977 in Rajbari, Bangladesh

Marital Status: Married

Nationality: Bangladeshi

orcid.org/0000-0001-6304-1182

Researcherid Q-4414-2017

REFERENCES:

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