

CURRICULUM VITAE
of
Md. Mahbubur Rahman, Ph.D.



• **OBJECTIVE**

To obtain a position that facilitates my interest in teaching and performance for contributing to the research works of related area - Information & Communication Technology [ICT].

CONTACT INFORMATION

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Department of Information & Communication Engineering
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EDUCATION

Ph.D: Department of Computer Science & Engineering, Rajshahi University, Rajshahi, Bangladesh, 1997.
MSc.(Thesis): Department of Physics with major in Solid State, Rajshahi University, Rajshahi, Bangladesh, 1984.
BSc(honours): Department of Physics, Rajshahi University, Rajshahi, Bangladesh, 1983.
HSC: Rajshahi Board, Rajshahi, Bangladesh, 1980.
SSC: Rajshahi Board, Rajshahi, Bangladesh, 1978.

PROFESSIONAL EXPERIENCE

Syndicate Member : Khulna University

Director: IIER, May 17, 2010 to 10.07.2013(03 years), Islamic University, Kushtia

Regent Board: Member, Pabna Science & Technology University, Pabna

Syndicate Member[20.08.2009 to 30.10.2009]
Islamic University, Kushtia 7003, Bangladesh

Dean [Nov. 01, 2007 to October 30.2009]
Faculty of Applied Science & Technology, Islamic University, Kushtia, Bangladesh.

Chairman [Head] 06(six)years

Period: May 06, 1999 ~ May 05, 2002, May 23, 2004 ~ May 22, 2007
[06 years]Department of Information & Communication Engineering,
Islamic University, Kushtia 7003, Bangladesh.

Finance Committee: Member [Nov. 01, 2007 to June 30, 2009], Islamic
University, Kushtia 7003, Bangladesh

Editor [July 01, 2007 to August 30.2009]

Journal of Applied Science & Technology, Islamic University, Kushtia
7003, Bangladesh.

Provost[July 2001 ~ June 2002]

Begum Fozillatunnessa Mujib Hall, Islamic University, Kushtia 7003,
Bangladesh.

LIST OF PUBLICATIONS

1. 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 (BDCC), Vol. 03, No. 02, pp. 1-18, 2019.
2. Bikash Chandra Singh, Md. Sipon Miah, Tapan Kumar Godder and **Md Mahbubur Rahman**"CP-PDS: Contextual Privacy-aware Framework for Personal Data Storage" ULAB Journal of Science and Engineering, Vol. 09, No. 01, pp. 1-20, 2018.
3. 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)[**Scopus**], Vol. 02, No. 04, pp. 1-20, 2018.
4. Md Sipon Miah, Dilruba Sharmin and Md Mahbubur Rahman; *Cognitive Improved LEACH (CogILEACH) Protocol for Wireless Sensor Network*, Transactions on Networks and Communications, Volume 4 No. 6, December (2016); pp: 1-9
<https://journals.scholarpublishing.org/.../154>.
5. Md. Repon Hossen, Md. Mahbubur Rahman, Khandaker Takdir Ahmed and Sipon Miah, "Spectrum Allocation management in Cognitive Femtocell Networks for 5G Wireless Communication", IOSR journal of Electronics and Communication Engineering(IOSR JECE) e-ISSN: 2278-8735, Volume 11, Issue 6, Ver. I(Nov.-Dec.2016), PP 14-23.
<https://pdfs.semanticscholar.org/.../efd9282a..>
6. Md. Sipon Miah, Heejung H, Tapan Kumar Godder and Md. Mahbubur Rahman, "A Cluster-based Cooperative Spectrum Sensing in Cognitive

Radio Network using Eigenvalue Detection Technique with Superposition Approach, International Journal of Distributed Sensor Network (IJDSN) **[SCI-E]** and to be appear (2015) <https://doi.org/10.1155/2015/207935>

7. Md. Nasir Uddin, Dr M. Mahbubur Rahman, Md. Sadek Ali, *Performance Analysis of Different Loss Mechanisms in Optical Fiber Communication*, Computer Applications: An International Journal (CAIJ), Vol.2, No.2, May 2015 DOI:10.5121/caij.2015.2201 1
8. Md. Sipon Miah, Heejung Yu and Md. Mahbubur Rahman, "An Improved LEACH Protocol for Wireless Sensor Network under Three-Level Heterogeneity," A Science and Technology Journal **[SCI-E]**, Vol. 29, No. 12, pp. 182-187, December, 2014
9. Md. Sipon Miah, Heejung H and Md. Mahbubur Rahman, "A Super-allocation and Cluster-based Cooperative Spectrum Sensing in Cognitive Radio Networks," KSII Transactions on Internet and Information Systems **[SCI-E]**, Vol. 08, No. 10, pp. 3302-3320, October, 2014. (DOI:10.3837/tiis.2014.10.001)
10. Md. Sipon Miah and Md. Mahbubur Rahman, "The Performance Analysis Fiber Optic Dispersion on OFDMA-QAM System," International Journal of Computer Networks and Wireless Communications (IJCNWC), Vol.01, No.01, India, 2011.
11. Md. Sipon Miah, Md. Mahbubur Rahman, Paresh Chandra Barman, Bikash Chandra Singh and Ashraful Islam, "Evaluation and Performance Analysis of Propagation Models for WiMAX," International Journal of Computer Networks and Wireless Communications(IJCNWC), Vol.01, No.01, India, 2011.
12. Md. Imran Hossain* Md. Mahbubur Rahman , Tapan Kumar Godder , An Automatic Road Sign Recognizer for an Intelligent Transport System, International Journal Of Advanced Research In Computer Science , ISSN No. 0976-5697, Volume 3, No. 5, Sept-Oct2012. RESEARCH PAPER Available Online At [Www.Ijarcs.inf](http://www.Ijarcs.inf)
13. M. Mahbubur Rahman, Md. Khairul Islam, Tarek Hassan-Al-Mahmud, A. R. Mahmud "Performance Analysis of Downlink Power Control in WCDMA System" International Journal of Scientific & Engineering Research Volume 3, Issue 8, August-2012 ISSN 2229-5518, IJSER © 2012, <http://www.ijser.org>, Publication is indexed by Google Scholar, EBSCO (In Process), Scribd, Scirate, DOAJ (Directory of Open Access Journal) (In Process), Scirus, Scientific Commons, Citeseer, Base, DBLP, Docstoc, QSensei.
14. M. Mahbubur Rahman, Md. Amzad Hossain, Tarek Hasan-Al-Mahmud and A. R. Mahmud "Performance Analysis of Channel Assignment Scheme in Wimax" IOSR Journal of Electronics and Communication Engineering (IOSRJECE) ISSN : 2278-2834 Volume 1, Issue 6 (July-Aug 2012), PP 24-30, www.iosrjournals.org, Publication is indexed by Cabell Publishing, Inc., IC Journals, Ulrich's™, Microsoft Academic, Q-

Sensei, Computer science Directory, EBSCO, ProQuest, **Scirus**, **Google Scholar**, ScientificCommons, CiteSeerx, Jour Informatics.

15. T K Godder, M. M Hossain, M M Rahman, and Md. Sipon Miah, An Efficient Quality of Service Based Routing Protocol for Mobile Ad Hoc Networks, International Journal of Computer Science Issues(IJCSI), Doolar Lane, Mahebourg, Republic of Mauritius, Vol. 8, Issue 3, pp. 508-514, May 2011. <http://www.ijcsi.org/>
16. T K Godder, M. M Hossain, M M Rahman, Md. SiponMiah and S K Mondal, *Performance Comparison and Analysis of Mobile Ad Hoc Routing Protocols*, Computer Science & Engineering: An International Journal (CSEIJ), Vol. 1, No. 1, April 2011. <http://airccse.org/journal/cseij/current.html>
17. Md. Sipon Miah, M. MahbuburRahman, Tapan Kumar Godder and Bikash Chandra Singh, *Design and Implementation of WiMAX MAC Layer*, International Journal of Computer Science and Network Security (IJCSNS), Seoul 156-743, Korea, Vol. 10, No. 10, pp. 170-175, October 30, 2010. http://paper.ijcsns.org/07_book/html/201010/201010025.html
18. Md. Sipon Miah, M. MahbuburRahman, Tapan Kumar Godder and Bikash Chandra Singh, *Performance Analysis of an Efficient Wireless Communication System in AWGN and Slow Fading Channel*, Journal of Telecommunications, Maxwell Building 96-98, Uxbridge Road Ealing London W5 5th UK. Vol. 5, Issue 2, pp. 24-33, November 2010. <http://sites.google.com/site/journaloftelecommunications/>
19. Md. Sipon Miah, M. MahbuburRahman, Tapan Kumar Godder Bikash Chandra Singh and M. Tania Parvin, *Performance Comparison of AWGN, Flat Fading and Frequency Selective Fading Channel for Wireless Communication System using 4QPSK*, International Journal of Computer and Information Technology (IJCIT), The University of Asia Pacific, Dhaka, Bangladesh, Vol. 1, Issue 2, January 2011. <http://www.uap-bd.edu/jcit.html>
20. Md. SiponMiah, Tapan Kumar Godder, M. MahbuburRahman, and Bikash Chandra Singh, *The Handover and Internetworking Capabilities of WiMAX MAC Layer*, International Journal of Computer and Information Technology (IJCIT), The University of Asia Pacific, Dhaka, Bangladesh, Vol. 1, Issue 2, January 2011. <http://www.uap-bd.edu/jcit.html>
21. T K Godder, M. M Rahman, Md. Sipon Miah and S K Mondal, *Proposed a Rate-Based Schema for ATM Flow Control*, International Journal of Information Technology Convergence and Services (IJITCS), Vol. 1, No. 1, February 2011. <http://airccse.org/journal/ijitcs/currentissue.html>
22. Md. SiponMiah, M. Mahbubur Rahman, Tapan Kumar Godder and Bikash Chandra Singh, *The Performance Measurement of WCDMA Channel using HSDPA*, Journal of Science and Engineering, University of Liberal Arts Bangladesh, Vol. 1, No. 1, December 2010.
23. Tarek Hasan-Al-Mahmud, M. Mahbubur Rahman, Sumon Kumar Debnath, *Performance Analysis of Best suited Adaptive Equalization Algorithm for Optical Communication*, **Journal Of**

24. M. A. Masud and M. Mahbubur Rahman, *Development of Distributed Dynamic Channel Allocation in Mobile Cellular Network*, International Journal of Engineering and Technology[IJET], G-Science Publication, 5(4): 387-392, December 2008, Website : www.gscience.net.
25. M. Mahbubur Rahman, Md. Asif Nashiry and T K Godder, TCP PERFORMANCE OVER PROACTIVE AND REACTIVE ROUTING PROTOCOLS FOR MOBILE AD HOC NETWORKS, Journal of Applied Science & Technology[JAST], Faculty of Applied Science & Technology, Islamic University, Kushtia, Bangladesh Vol.(02), 01 – 06, June 2008
26. Paresh Chandra Barman and M. Mahbubur Rahman, Non-negative Matrix Factorization (NMF) Filter with the Solution of Uniqueness and Permutation, Journal of Applied Science & Technology[JAST], Faculty of Applied Science & Technology, Islamic University, Kushtia, Bangladesh Vol.(02), 81 – 87, June 2008
27. M. Mahbubur Rahman, Md. Abdullah-Al-Mahmud, Md. Asif Nashir and Md. Abu Layek, PERFORMANCE EVALUATION OF TCP OVER HETEROGENEOUS NETWORK, Journal of Applied Science & Technology[JAST], Faculty of Applied Science & Technology, Islamic University, Kushtia, Bangladesh vol. 05(01), 1 – 7, December 2007
28. M. Mahbubur Rahman and Md. Abu Layek, QUALITY OF SERVICE BASED AODV, Journal of Applied Science & Technology[JAST], Faculty of Applied Science & Technology, Islamic University, Kushtia, Bangladesh, Vol. 05(01), 55 – 62, December 2007
29. Asek Raihan Mahmud, M. Mahbubur Rahman and K. M. Rahamatullah, *Interactive Traffic Class Prioritization Technique for Efficient Utilization of MMS and WAP Services*, Journal of Applied Science & Technology[JAST], Faculty of Applied Science & Technology, Islamic University, Kushtia, Bangladesh, Vol. 04, No.02, pp. 43-47, 2006.
30. M. Sohel Rana, M. Mahbubur Rahman and T. K. Godder, *Distributed Library Management Syetem – A General Design Approach*, Journal of Applied Science & Technology[JAST], Faculty of Applied Science & Technology, Islamic University, Kushtia, Bangladesh, Vol. 04, No.01, pp. 35-39, 2005.
31. Md. Samsuzzaman, M. Mahbubur Rahman and T. K. Godder, *Development of a Net Conversion Application*, Journal of Applied Science & Technology[JAST], Faculty of Applied Science & Technology, Islamic University, Kushtia, Bangladesh, Vol. 04, No.01, pp. 31-34, 2005.
32. M Mahbubur Rahman, T K Godder, Abdullah-Al-Mamun and d. Kamruzzaman, *Online database management system using active server pages*, Journal of Applied Science & Technology[JAST], Faculty of Applied Science & Technology, Islamic University, Kushtia, Bangladesh, Vol. 03, No.02, pp. 125-131, 2003.(article received April 4, 2005)
33. T K Godder, M Mahbubur Rahman, Md. Zahidul Islam and S K Mondal, *Study the voice over internet protocol(VOIP) and its integration with the existing telephone and telegraph(t&t) networks in Bangladesh*, Journal of Applied Science & Technology[JAST], Faculty of Applied Science &

Technology, Islamic University, Kushtia, Bangladesh, Vol. 03, No.02, pp. 111-118, 2003.(article received Feb. 12, 2005)

34. S M A Motakabber, R H Bin Habib, M Mahbubur Rahman and T K Godder, *Optical barcode reader & writer development : opportunity & proposal regarding Bangladesh*, Journal of Applied Science & Technology[JAST], Faculty of Applied Science & Technology, Islamic University, Kushtia, Bangladesh, Vol. 03, No.02, pp. 103-109, 2003.(article received Feb. 12, 2005)
35. Kazi Akhtar Hossain and M Mahbubur Rahman, *E-Banking : A Case Study on Private Commercial Banks in Bangladesh*, Journal of the Bangladesh Accountant, pp. 30-26, 2003.
36. Rakib Ahmed, Surovi Sultana, Ramesh Chandra Debnath and M Mahbubur Rahman, *Development of Software for the design of Combinational Logic Circuits*, Journal of Applied Science & Technology[JAST], Faculty of Applied Science & Technology, Islamic University, Kushtia, Bangladesh, Vol. 02, No.01, pp. 71-74, 2001.
37. T K Joadder, M Mahbubur Rahman and M M Hossain, *To Study the Charge Storage and Radiation Effect on Polymer Film*, Journal of Applied Science & Technology[JAST], Faculty of Applied Science & Technology, Islamic University, Kushtia, Bangladesh, Vol. 02, No. 01, pp. 65-70, 2001.
38. M Mahbubur Rahman and M A Sobhan, *Computer Modelling of Two-Dimensional Optical Generation Rate in a Front Surface Serrated Solar Cell*, Journal of Applied Science & Technology[JAST], Faculty of Applied Science & Technology, Islamic University, Kushtia, Bangladesh, Vol. 01, No. 01, pp. 39-47, 2000
39. M Mahbubur Rahman and M A Sobhan, *Comparative Studies on Si and GaAs Solar Cells*, Journal of Applied Science & Technology[JAST], Faculty of Applied Science & Technology, Islamic University, Kushtia, Bangladesh, Vol. 01, No. 01, pp. 13 – 20, 2000.
40. M Mahbubur Rahman and M A Sobhan, *Computer Modelling of Solar Irradiances and Its Applications Spectral Response Analysis of Silicon Solar Cells*, Bangladesh J. Sci. Ind. Res. 33(2), pp. 123-127, 1998.
41. M A Gofur, M Mahbubur Rahman and M A Sobhan, *Computer Aided Studies on P-N Junction Silicon Solar Cells*, Bangladesh J. Sci. Ind. Res., 33(2), pp. 228-236, 1998.
42. M Mahbubur Rahman and M A Sobhan, *Approximations and Applications of Fermi-Dirac Integrals of Half Integer Orders*, published in the Journal of Electrical Engineering, The Institution of Engineer's, Bangladesh(IEB), vol. EE 24, No. I & II, pp. 51-60, 1996.
43. M Mahbubur Rahman, M A Sobhan and M A Uddin, *Computer Modelling of Optical Generation Rates in Illuminated Silicon for AM0, AM1, AM1.5 and AM2 Airmasses*, published in the *Proceedings of the International Workshop*, Rajshahi, Bangladesh, vol.-1 : Condensed Matter Physics, pp. 233-225, 1997. This was presented earlier in the International Workshop held at Rajshahi University, Rajshahi, Bangladesh, 28 Oct.- 01 Nov. 1996.

- **International/National Conference Proceedings**

1. Md. Sipon Miah and Md. Mahbubur Rahman, "An Eigenvalue and Superposition-Based Cooperative Spectrum Sensing for Cognitive Radio Networks" The 1st International Conference on Electrical Engineering and Information & Communication Technology (iCEEICT-2014), Military Institute of Science and Technology, Dhaka, Bangladesh, Vol. 01, No. 01, 2014. **(DOI: 978-1-4799-4819-2/14)**
2. Bikash Chandra Singh, M Mahbubur Rahman, Tapan Kumar Godder, Abu Layek, MdRezaul Bashar, Channel Based Simulation and Analysis of IEEE802.16 (WiMAX), The 2010 IEEE/ICME International Conference on Complex Medical Engineering (CME2010) in Gold Coast, **Australia**, 13-15 July 2010.
3. M. Mahbubur Rahman, Md. Abu Layek and H. M. Abdul Awal, *Heterogeneous Handover Performance over Transport Layer Protocols in the Integration of WiMAX and Wi-Fi*, Proceedings of the Silver Jubilee Conference On Communication Technology And Vlsi Design, October 6-10, 2009, VIT University, Vellore, Tamilnadu, **India**.
4. M. Mahbubur Rahman, Md. AsifNashiry, T. K. Godder and A B M Shawkat Ali, TCP Performance over Proactive and Reactive Routing Protocols for Mobile Ad Hoc Networks, Proceedings of the 2008 International Conference on Wireless Networks(ICWN2008), Vol.01, PP. 155-161, WORLDCOMP'08, July 14-17, 2008, Las Vegas Nevada, **USA**
5. K M Rahamatullah and M. Mahbubur Rahman, *An Improved Simulation Modelling Method Using OOP Language Features*, accepted for the World Congress Engineering(WCE) 2008, International Association of Engineers, July 2-4, 2008, **London, United Kingdom**.
6. M. Mahbubur Rahman, Md. Delowar Hossain and ABM Shawkat Ali, *Performance Analysis of OFDM Systems with Phase Noise*, 6th IEEE/ACIS International Conference on Computer and Information Science (ICIS 2007), icis, pp. 358-362, 2007, Melbourne, **Australia**.
7. Md. Abdullah-Al-Mamun, M. MahbuburRahman and Hwee-Pink Tan, *Performance Evaluation of TCP over Routing Protocols for Mobile Ad Hoc Networks*, First International Conference on Commications and Networking in China, CHINACOM, October 25-27, 2006, **China**. Published in the **IEEE Digital Library(Pages: 1-3)**.
8. M. Mahbubur Rahman and Tareq Hasan-al-Mahmud, *Performance Analysis of AFS-MDFE with ADG and TD Algorithm for the Equalization in Optical Communications*, 2nd National Conference on Communication and Information Security, pp. 49-54, November 24, 2007, Dhaka, **Bangladesh**.
9. M. Mahbubur Rahman and Md. Abu Layek, *Tunable Protocol for Mobile Ad-HOC Network*, 2nd National Conference on Communication and Information Security, pp. 151-155, November 24, 2007, Dhaka, **Bangladesh**.
10. M Mahbubur Rahman, M A Sobhan and M A Uddin, *Computer Modelling of Optical Generation Rates in Illuminated Silicon for AM0, AM1, AM1.5 and AM2 Airmasses*, published in the *Proceedings of the International Workshop*, Rajshahi, Bangladesh, vol.-1 : Condensed Matter Physics, pp. 233-225, 1997. This was presented earlier in the International Workshop held at Rajshahi University, Rajshahi, **Bangladesh**, 28 Oct.- 01 Nov. 1996.

11. Md. Sadek Ali, M. Mahbubur Rahman, Md, DelowarHossain, Md. Shariful Islam, and Md. Moinul Islam, *Simulation and Bit Error Rate Performance Analysis of 4G OFDM Systems*, published in the Proceedings of 11th International Conference on Computer and Information Technology(ICCIT 2008), page 138-143, 25-27 December, 2008, Khulna, **Bangladesh**.
12. Md. Asif Nashiry, Md. Abdullah-Al-Mahmud, M. Mahbubur Rahman, andMd. NashidAnjum, published in the Proceedings of 11th International Conference on Computer and Information Technology(ICCIT 2008), page 150-155, 25-27 December, 2008, Khulna, **Bangladesh**.

• **Research Experience**

- Supervising PhD Thesis entitled on "A Cluster Based Cooperative Spectrum Sensing for Cognitive Radio Network Using Eigen value Detection Technique"
- Supervising PhD Thesis entitled on "Study on the efficient routing protocol and quality services for mobile ad-hoc network"
- Supervising of one M.Phil. degree on "Performance Management in ATM Networks", in the year 2007.
- Supervising M.Phil. Thesis on "Performance Management in Mobile Ad-hoc Networks".
- Supervising M.Phil Thesis on "Orthogonal Frequency Division Multiplexing for high wireless communication"
- Currently supervising three (03) Ph.D. and five (05) MPhil researchers

□ **Supervisor :**

MSc.(Thesis) Completed:

- Study on radio Network Planning in GSM and Their Optimization
- Cell Capacity Estimation & Performance Analysis of Channel Allocation Scheme in Wimax
- Study and Performance Analysis of direct Sequence – CDMA for Multiple User Through Different Communication Channel.
- "Interactive Traffic Class Prioritization" and "Radio Link Condition Deversification" Techniques for efficient utilization of MMS and WAP services.
- "Performance Analysis and simulation of weight Based fair Queuing Algorithms.
- Performance Evaluation of Routines Protocols for Mobile Ad HOC Networks.
- Bounding Performance Analysis of OFDM for 4G Wireless Mobile suitability
- Development of Bangla off-line Handwritten Character Recognition System.
- Evaluation of ICP Performance Over Mobile IP Wired-cum-Wireless Networks.
- Performance Analysis of Transport Layer Protocols Over Routing Protocols in Ad-Hoc Networks.
- Performance Analysis of Best Suited Adaptive Equalization Algorithms for Optical, Wireless Communications and Smart Antenna Systems.
- Reducing the Peak-to-Average Power Ratio in OFDM Systems with Phase Noise.

- UDP Performance Over Table Driven & Demand Driven Routing Protocols in Mobile Ad-Hoc Networks.
- Study and Performance Test on Radio Link in Microwave Transmission and NMS.
- Performance Analysis of WCDMA Uplink Communication for Multiuser Detection using RAKE Receiver and Smart Antennas.
- Development and Study on Distributed Dynamic Channel Allocation in Mobile Cellular Network.
- Performance Analysis of PN Code Based on their Correlation Property.
- Quality of Service Based Routing Protocols for Wireless Mobile Ad-Hoc Networks.

B.Sc (Hons) Project work completed:

- Real Time Audio and Video Transmission RTP
- Bangla Handwriting Character Recognition system using Artificial Neural Network
- Message Authentication Code Generation using MDS Hash Algorithm.
- "Medial Expert System" – A tool of identifies Diseases and Provide corresponding Prescription using symptom Analysis and Diagnosis.
- A Project on Mobile Computer Communication.
- Distributed Library Management System.
- Development of an Online Result Procession System.
- Bangla Optical Character Recognition System.
- A Project on Development of and Online Railway Ticket Reservation System.
- Project on To Develop an E-commerce Site of a Car Company with this Site a Customer can Transfer his found to the Car Company Account in a LAN.
- A Dissertation on Text Conversation between Two Users.
- Virtual Private Network Design and Application.
- Development of a Net Conversation Application.
- Study of VPN and Prospect in Bangladesh.
- A Dissertation on To Develop an E-commerce Site for E-shopping
- Configuring Routing of a Large Network and VLAN.
- Enter Campus Based E-mail System Configuration and Maintenances.
- Development and Performance of Image Compression System.
- Developing and Implementing Touch Screen for Contrlling Public Information System.
- Simulation and Performance of WCDMA Systems.
- Performance Analysis of GSM Architecture Systems.
- Eigenface Approach for Face Recognition.
- Performance Analysis of Different Transmission Protocols for Interactive Transmission.
- Development and Performance Analysis of Different Architectures for Integration of Heterogeneous Wireless Systems.
- The Recognition Technique of Human Faces by Using Eigenface Method.
- System Quality Measurement of WCDMA Channel with HSDPA.
- Performance Analysis on QPSK Modulation Technique of WCDMA Channel in Multipath Fading Channel.

• **RESEARCH INTEREST**

- Wireless Mobile Communication
- Cognitive Radio Networking

- Multimedia and Virtual Reality
- Computer Networking
- Computer Graphics & Information Systems

• **COURSES TAUGHT**[BSc.(Honours), MSc. , MPhil& Ph.D. Level]

- Management Information Systems[MIS], C & C++, Mobile and Cellular Communication, Fundamentals of Information Technology, Wireless Communication, Computer Graphics, Image Processing, Information Coding & Transmission and Teletraffic Engineering.

• **Personal**

Name : Dr. Md. Mahbubur Rahman
 Father's Name : Late Fazlur Rahman
 Mother's Name : Late Minnatun Mohal
 Date of Birth : February 01, 1963
 Religion : Islam
 Marital Status : Married
 Spouse Name : Mst. Bilkish Akter
 Daughter's Name : Ethika Jaima(Pssport no: **BK 0421817**)
 Passport No. :**BK 0401411**
 Spouse Passport No. :**BK 0438373**

Mailing Address : Professor of Information & Communication Engineering Department, Faculty of Applied Science & Technology, Islamic University, Kushtia 7003, Bangladesh

[**Md. Mahbubur Rahman, Ph.D**]

Political Career:

- **President**, [01.01.2017 to date] Islamic University Teachers' Association, Elected from Progressive Panel, Islamic University, Kushtia, Bangladesh.
- **Convener**[07.04.2016 to date], Bangobandhu Parishad, Islamic University, Kushtia 7003, Bangladesh.
- **Senior Vice President** [July 01, 2010 to 06.04.2016] Bangobandhu Parishad, Islamic University, Kushtia 7003, Bangladesh.
- **Executive Member**[July 01, 2006 to June 30, 2010] Bangobandhu Parishad, Islamic University, Kushtia 7003, Bangladesh.
- **General Secretary**[July 01, 2004 to June 30, 2006] Bangobandhu Parishad, Islamic University, Kushtia 7003, Bangladesh
- **Executive Member** Shapla Forum, Islamic University, Kushtia 7003, Bangladesh
- **President** Bangladesh Chattr League, Hossain Shahid Showrawardi Hall, Rajshahi University(1984 – 1986)

[Md. Mahbubur Rahman, Ph.D]