

CURRICULUM VITAE

ড. তপন কুমার জোদার
অধ্যাপক

ইনফরমেশন এন্ড কমিউনিকেশন

টেকনোলজি বিভাগ

ইসলামী বিশ্ববিদ্যালয়, কুষ্টিয়া, বাংলাদেশ

টেলিফোন: +৮৮০১৭৪৬৪৮২৯৬৪

ইমেইল: tkict@yahoo.com, tkice@iu.ac.bd

ওয়েব: www.iceiu.edu.bd



Dr. Tapan Kumar Godder
Professor

Department of Information &

Communication Technology

Islamic University, Bangladesh

Tel: +88071 74910-21 ext-2595,

Fax: +88071 74909.

Cell: +88 01746482964

Email: tkict@yahoo.com, tkice@iu.ac.bd

Web: www.iceiu.edu.bd, www.iu.ac.bd

CAREER OBJECTIVES

To acquire and disseminate the knowledge.

EDUCATION

Doctor of Philosophy: 2012, Faculty of Applied Science and Technology, Islamic University, Bangladesh.

Master of Philosophy: 2007, Faculty of Applied Science and Technology, Islamic University, Bangladesh.

Master of Science: 1995, Dept. of Applied Physics & Electronics (with 1st Class), Rajshahi University, Rajshahi, Bangladesh.

Bachelor of Science (Honors): 1994, Dept. of Applied Physics & Electronics (with 1st class), Rajshahi University, Rajshahi, Bangladesh.

Higher Secondary School Certificate: 1991, Jessore Education Board, Bangladesh (1st Division from Science Group with letter grade in two papers).

Secondary School Certificate: 1989, Jessore Education Board, Bangladesh (1st Division from Science Group with letter grade in three papers).

PROFESSIONAL, ADMINISTRATIVE AND OTHER EXPERIENCES

Professor: 4th May 2013~till now, Professor, Dept. of Information & Communication Technology, Islamic University, Bangladesh

Associate Professor: 31st January 2008-3rd May 2013, Associate professor, Dept. of Information & Communication Engineering, Islamic University, Bangladesh.

Assistant Professor: 9th October 2002-30th January 2008, Assistant professor, Dept. of Information & Communication Engineering, Islamic University, Bangladesh.

Lecturer: 9th October 1999- 8th October 2002, Lecturer, Dept. of Information & Communication Engineering, Islamic University, Bangladesh.

Chairman: 23rd May 2007-22nd May 2010, Dept. of Information & Communication Engineering, Islamic University, Bangladesh

Chairman: 3rd October 2017 -15th November 2020, Dept. of Biomedical Engineering, Islamic University, Bangladesh.

Faculty Member: 2002-2010, Faculty of Applied Science & Technology, Islamic University, Bangladesh.
2018 to till now, Faculty of Engineering & Technology, Islamic University, Bangladesh.

Member: 2013 to till now, Board of Advance Studies, Islamic University, Kushtia, Bangladesh.

Member of Editorial Board: July 2005- June 2008, Journal of Applied Science & Technology (JAST), Islamic University, Kushtia, Bangladesh.
July 2019- June 2020, Journal of Engineering & Technology (JET), Islamic University, Bangladesh.

Director: 5th September 2012 -4th September 2015, Computer Center & 6th July 2023 -5th July 2024, ICT Cell, Islamic University, Bangladesh.

Provost: 18th November 2018 to 17th October 2021, Jatirpita Bangabandhu Sheikh Mujibur Rahman Hall, Islamic University, Bangladesh.

Chair: December 2019 to October 2021, Provost Council, Islamic University, Bangladesh.

Syndicate Member: 07th December 2019 to 12th May 2021, Islamic University, Bangladesh.

Expert Member: Selection board of Lecturers of Department of EECE, Pabna Science and Technology University, Pabna, Bangladesh.

Expert Member: Selection board of Lecturers of Department of ICT, Rabindra Maytree University, Kushtia, Bangladesh.

Project Member: To Establish ITRRC, 2013-2015, Islamic University, Bangladesh, Funded by World Bank and HEQEP.

ORGANIZATIONAL INVOLVEMENT AND LEADERSHIP SKILLS

General Secretary: Islamic University Teachers' Association
Executive Committee-2023.

Executive Member: Islamic University Teachers Association, EC-2021

President: Islamic University Teachers-Officers Club

Member: Islamic University Central Sports Committee

Member: Islamic University Central Sports Committee,
Bangladesh.

Member: TEC, Islamic University, Bangladesh.

Leader: Online Result Processing Software Development
Team, Islamic University, Bangladesh.

Adviser: Student Association of ICT, Islamic University,
Bangladesh.

Adviser: Satkhira District Student Welfare Association,
Islamic University, Bangladesh.

PUBLICATIONS

- [36] Md Rakibul Islam, Md Mahbubur Rahman, Md Shahin Ali, Abdullah Al Nomaan Nafi, Md Shahariar Alam, Tapan Kumar Godder, Md Sipon Miah, Md Khairul Islam “*Enhancing breast cancer segmentation and classification: An Ensemble Deep Convolutional Neural Network and U-net approach on ultrasound images*” Published by Elsevier Ltd. Received 27 January 2024; Received in revised form 9 April 2024; Accepted 29 April 2024. <https://doi.org/10.1016/j.mlwa.2024.100555>
- [35] Md Rabiul Islam, Puchanee Larpruenrudee, Md Mostafizur Rahman, Sana Ullah, Tapan Kumar Godder, Xinguang Cui, Hamidreza Mortazavy Beni, Kiao Inthavong, Jingliang Dong, Yuantong Gu and Mohammad S. Islam, “*How Nanoparticle Aerosols Transport through Multi-Stenosis Sections of Upper Airways: A CFD-DPM Modelling*” MDPI Atmosphere 2022, 13, 1192. <https://www.mdpi.com/journal/atmosphere>
- [34] Sheikh Md. Razibul Hasan Raj(&), Sultana Jahan Mukta, Tapan Kumar Godder, and Md. Zahidul Islam “*An Approach for Multi-human Pose Recognition and Classification Using Multiclass SVM*” Springer Nature Switzerland AG 2021 P. Vasant et al. (Eds.): ICO 2020, AISC 1324, pp. 922–937, 2021. https://doi.org/10.1007/978-3-030-68154-8_78
- [33] 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.
- [32] Md.Khanjahan Ali, T K Godder, Md. Ashek Raihan Mahmud and Md.Mahabubur Rahman, Relative Performance Study of three Routing

- [31] Md.Shariful Islam, Md. Tariquzzaman, Md. Abdur Razzaque, Tapan Kumar Godder, and Md.Zahidul Islam, Depth-of-focus Resolution and Viewing Angle Improvement of Integral Imaging System Using Multi-directional Projections and Non-uniform Lenslets Array with Intermediate View Reconstruction Method, Research Journal of Applied Sciences, Engineering and Technology 12(3): 294-303, February 05 2016, ISSN: 2040-7459; e-ISSN: 2040-7467.
- [30] Md. Zulfikar Alom, T K Godder, Mohammad Nayeem Morshed, Performance Analysis of Mobile Ad-Hoc Routing Protocols (MANET), 1st International Conference on Advances Information and Communication Technology, May 2016. <https://www.researchgate.net/publication/303376335>
- [29] Md. Sipon Miah,¹ Heejung Yu,² Tapan Kumar Godder,¹ and Md. Mahbubur Rahman, *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>
- [28] Md. Zulfikar Alom, T K Godder, Mohammad Nayeem Morshed, A Survey of Spectrum Sensing Techniques in Cognitive Radio Network, 3rd International Conference on Advances in Electrical Engineering, December 2015.
- [27] Bikash Chandra Singh, T K Godder, Md. Sipon Miah and H. M. Abdul Awal, Experimental Analysis of UDP Performance in Mobile Ad Hoc Networks with Different Routing Protocols and Varying payload, International Journal of Computer Networks & Communications(IJCNC) Vol.3, No.04, July 2011. <http://airccse.org/journal/ijc2011.html#July>
- [26] T K Godder, Md. Sipon Miah, Paresh Chandra Barman, Bikash Chandra Singh and Azizur Rhaman, Performance Analysis and Comparison Between Fixed & Mobile WiMAX Physical 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>
- [25] 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/>
- [24] T K Godder, M. M Hossain, M M Rahman, Md. Sipon Miah 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>

- [23] 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. Sipon Miah, M. Mahbubur Rahman, 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

- [21] Md. Sipon Miah, M. Mahbubur Rahman, 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/>

- [20] Md. Sipon Miah and Tapan Kumar Godder, *To Design Voice Control Keyboard System using Speech Application Programming Interface*, International Journal of Computer Science Issues(IJCSI), Doolar Lane, Mahebourg, Republic of Mauritius, Vol. 7, Issue 6, pp. 269-277, November 2010. <http://www.ijcsi.org/>

- [19] Md. Sipon Miah, M. Mahbubur Rahman, 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>

- [18] Md. Sipon Miah, Tapan Kumar Godder, M. Mahbubur Rahman, 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>

- [17] Bikash Chandra Singh, Paresh Chandra Barman, Tapan Kumar Godder, Md. Sipon Miah and H M Abdul Awal, *Experimental Analysis of Handover over UDP and TCP in the Integration of IEEE 802.16 and IEEE 802.11*, Journal of Science and Engineering, University of Liberal Arts Bangladesh (ULAB), Vol.2, November 2011.

- [16] Md. Sipon Miah, M. Mahbubur Rahman, Tapan Kumar Godder and Bikash Chandra Singh, *The Performance Measurement of WCDMA Channel using*

- [15] T K Godder, Naznin Nahar, Md.Shariful Islam, “*Develop an Ethernet Local Area Network (LAN) Based Computing to Solve Different Problems*”, JAST, Islamic University, Vol. 05(02),2008
- [14] T K Godder, Md. Rajibul Islam, Paresh Chandra Barman, Md. A.R Mahmood, “*Study On Internet Connectivity For Mobile Ad Hoc Networks*”, JAST, Islamic University, Vol. 05(02),2008
- [13] M. Mahbubur Rahman, Md. Asif Nasiry and T K Godder, “*TCP Performance Over Proactive and Reactive Routing Protocols For Mobile Ad Hoc Networks*”, JAST, Islamic University, Vol. 05(02),2008
- [12] Md. Tariquizzaman,, T K Godder, Md.Nazim Uddin,Md. Abdur Razzaque,M.A Momin,”*Text-Dependent Speaker Recognition Using a Template Model*”, JAST, Islamic University, Vol. 05(01),2007
- [11] T K Godder, M Mahbubur Rahman, Md. Abdullah-Al Mamun and Md. Kamruzzaman, *Online database management system using active server pages*. JAST, Islamic University, Vol. 03(02),2003.
- [10] T K Godder, M Mahbubur Rahman, S.M.A Motakabber and R H Bin Habib, *Optical Barcode Reader & Writer Development: Opportunity & Proposal regarding Bangladesh*, JAST, Islamic University, Vol. 03(02),2003.
- [09] Md. Samsuzzaman, M Mahbubur Rahman and T K Godder , *Development of a Net Conversation Application*, JAST, Islamic University, Vol. 04 No.01,December2005.
- [08] M Sohel Rana , M. Mahbubur Rahman and T.K Godder, *Distributed Library Management System- A General Design Approach*, JAST, Islamic University, Vol. 04 No.01,December2005.
- [07] T K Godder, Md. Zahidul Islam, Md. Farukuzzaman Khan, *Two Variable Function optimization with Genetic Algorithm Mode*, JAST, Islamic University, Vol. 01(02),2003
- [06] T K Godder, M Mahbubur Rahman, Md. Zahidul Islam, S K Mondal, *Study the Voice Over Internet Protocol (VOIP) and Its Integration with the existing Telephone & Telegraph (T&T) Networks in Bangladesh*, JAST, Islamic University, Vol. 02(02),2003.
- [05] T K Godder, Zahidul Islam, *A Genetic Algorithm for One Dimensional Search space optimization problem*, JAST, Islamic University, Vol. 01(03),2004.
- [04] T K Godder, Md. Zahidul Islam, Md. Shahjahan Ali and Rezaul Karim, *Characterizations of Inner Product spaces in terms of Normed Linear Spaces*, JAST, Islamic University, Vol. 01(03),2004.

- [03] T K Godder, Md.Moshrekul Alam, Md. S. Alam and S K Mondal, *Radiation dose at gonad region from radio-iodine uptake by thyroid gland*, JAST, Islamic University, Vol. 03(02),2003.
- [02] T K Godder, M M Hossain, *Radiation Effect on charge storage and relaxation process in polymer film*. Part B, Vol. 28,2000, Rajshahi University Studies
- [01] T K Godder, M M Hossain, M Mahbubur Rahman, *To Study the Temperature Effect on charge storage and relaxation process in polymer film*. JAST 02 (01), 2001.

TRAINING /INTERNATIONAL/ NATIONAL CONFERENCE

- [1] An Approach for Multi-Human Pose Recognition and Classification using Multiclass SVM, Sheikh Md. Razibul Hasan Raj, Sultana Jahan Mukta, Tapan Kumar Godder and Md. Zahidul Islam, 3rd International Conference on Intelligent Computing & Optimization, April 22-23rd 2021, G Hua Hin Resort & Mall, Hua Hin, **Thailand**, 2021
- [2] 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**.
- [3] Channel Based Simulation and Analysis of IEEE802.16 (WiMAX)-2004/WMAN-OFDM Physical Layer for BWA to Support telemedicine, The 2010 IEEE/ICME International Conference on Complex Medical Engineering, July 13-15 2010, Gold Coast, **Australia**.
- [4] Internet Connectivity for Mobile Ad Hoc Networks, Proceedings of the 2007 National Conference on Electronics, Information and Telecommunication, pp.207, June 29-30, 2007, Rajshahi University, Rajshahi, **Bangladesh**.
- [5] Workshop on to Design and Implementation VERILOG, IICT, Bangladesh University of Engineering and Technology (BUET), Dhaka, **Bangladesh**.

RESEARCH EXPERIENCE

- Supervising PhD Thesis entitled on “A Cluster Based Cooperative Spectrum Sensing for Cognitive Radio Network Using Eigen value Detection Technique”. (Awarded)
- Supervising PhD Thesis entitled on “Arrhythmia Detection in ECG Signals using MLP and Different Optimization Algorithms”.
- Supervising PhD Thesis entitled on “Improve the Performance of Various Routing Protocols of MANET in a Vastly Populated Network using the Game Theory Method”

- Supervising M.Phil. Thesis on “Performance Management in Mobile Ad-hoc Networks”. (Awarded).

RESEARCH INTEREST

- Bio-Signal Processing
- Ad-Hoc Networking
- ATM Networking
- Cloud Computing
- Parallel Processing

SUPERVISOR

M.Sc.(Thesis)

- Real-Time Multi-Human Pose Recognition and Classification From Depth Images using Multiclass SVM
- Heart Disease Prediction using Different Data Mining Techniques
- Learning and Predicting model for detecting malicious websites using machine learning
- Performance Analysis of AODV, DSR and DSDV Routing Protocols in MANET
- Develop an Ethernet based Local Area Network (LAN) for Parallel Computing to Solve Different Problems.
- Design Virtual LAN (VLAN) and Inter-VLAN Routing Method in Effective Distribution of Network Services for Islamic University
- Performance Comparison and Analysis of AD-Hoc Routing Protocols (DSDV, AODV) in MANET bearing CBR and FTP Traffic
- Parallel Computation of Linear Algebraic Problems in an Ethernet based Local Area Network

B.Sc.(Honors)/B.Sc.(Engg.) Project

- Arduino based Radar using Ultrasonic Sensor
- Study the Voice Over Internet Protocol (VOIP) and Its Integration with the Existing Telephone and Telegraph (T&T) Networks in Bangladesh
- Performance Analysis of an Efficient Wireless Communication System in AWGN and Slow Fading Channel

- Design and Development of basic Physical Layer WiMAX Network Simulation Models using Matlab
- Design and Development of android application “ Student’s Attendance” for mobile systems on Android platform
- Design and Development of a Web Application for Online Patient Management System
- Android Base Home Automation System Using Arduino and Bluetooth
- Diabetes Prediction using ν -Support Vector Machine
- Design a Home Automation System Using the Internet of Things
- Design and Implementation of individual Department firewall-Security system and cloud network using Cisco packet tracer student 6.2sv
- Personalized Cancer Diagnosis using Machine Learning
- SMS Spam Detection System using Machine Learning Technique

COURSE TAUGHT [Ph.D., M.Phil., M. Engg., B.Sc.(Engg.) Level]

- Advanced Wireless Communication
- High Speed and Broadband Networks
- Mobile and Cellular Communication
- Data Communication and Computer Networks
- Microprocessor and Interfacing
- Microwave Engineering
- Computer Architecture and Parallel Processing
- Electronic Devices and Circuits

AWARDS

- Residential Hall Gold Medal, Rajshahi University, Rajshahi.
- University Merit Scholarship for the B.Sc.(Honors) and M.Sc. Results, Rajshahi University, Rajshahi.
- Shisu Academy Gold Medal, Satkhira District Shisu Academy, Satkhira.
- Talent Pool Scholarship in Primary Scholarship Examination.
- Talent Pool Scholarship in Junior Scholarship Examination.

PERSONAL INFORMATION

Date of Birth: 09th September 1973
Place of Birth: Satkhira, Bangladesh
Father's Name: Nirapada Godder
Mather's Name: Promila Godder
Spouse: Sheuli Rani Mondal
Daughter's Name: Prothusa Joadder
Nationality: Bangladeshi (By Birth)
Religion: Sanaton
Height & Weight: 152cm and 62kgs
NID No.: 325 213 4956

PERMANENT ADDRESS

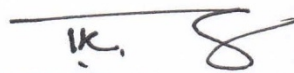
Village: Munshigonj, P.O: Harinagar, P.S: Shyamnagar, District: Satkhira, Bangladesh.

PRESENT ADDRESS

House No.: 01, Block No.: E, Housing Estate, Kushtia, Bangladesh.

REFERENCES

1. Professor Dr. Ramesh Chandra Debnath, Department of Electrical and Electronic Engineering, Rajshahi University, Rajshahi
2. Professor Dr. M Mozzafor Hossain, Department of Electrical and Electronic Engineering, Rajshahi University, Rajshahi



05.05.2024

Professor Dr. Tapan Kumar Godder