

NAME Md. Golam Rashed

CONTACT INFORMATION Human-Computer Interaction Laboratory,
Department of Information and Communication Engineering,
Room# 231(H), Fourth Science Building,
University of Rajshahi, Rajshahi-6205, Bangladesh
Telephone: +88-2588864100(Office),
+88-02588800639 (Home)
Cell Phone: +88-01717-515008, +8801617515008
E-mail: golamrashed@ru.ac.bd , golamrashed.ru@gmail.com
golamrashed@ieee.org
URL: <http://www.ru.ac.bd/ice/details/?sid=22906431>



CAREER OBJECTIVES My professional objective is to keep a balance in research, teaching, and service related activities in order to provide sustainable training for highly qualified personnel.




SUMMARY of QUALIFICATION

- Excellent research ability, especially in Robotics and Human Robot Interaction.
- Strong academic background, especially in Information and Communication Engg. fields.
- Work Steadily and make solid progress in every step.
- Successful experience on team coordination and collaboration.

PROFESSIONAL EXPERIENCES

- ❖ **University of Rajshahi, Rajshahi, Bangladesh**
 - **Position: Associate Professor** 03rd Mar. 2020 to Present
 - **Position: Assistant Professor** Oct. 2014 to Mar. 2020
 - **Position: Lecturer** Feb. 2012 to Oct. 2014
Dept. of Information and Communication Engineering under Faculty of Engineering.
 - **Position: Adjunct Faculty** Feb 2018 to Present
Dept. of Information Science and Library Management under Faculty of Social Science
 - **Position: Adjunct Faculty** Dec 2023 to May 2024
Dept. of Political Sciences under Faculty of Social Science
 - **Position: Adjunct Faculty** Dec. 2023 to May2024
Dept. of Electrical and Electronic Engineering under Faculty of Engineering
 - **Position: House Tutor**
 - Syed Ameer Ali Hall (Official Male Hostel) Dec. 2021 to Present
 - Rokeya Hall (Official Female Hostel) Oct. 2016 to Oct. 2021
 - Munnujan Hall (Official Female Hostel) Oct. 2012 to Sept. 2013
- **Varendra University, Rajshahi, Bangladesh** May 2022 to Sept. 2022
 - **Position: Adjunct Faculty.**
Dept. of Computer Science and Engineering, Engineering under the Faculty of Engineering.
- **Pundra Science and Technology University, Bogra, Bangladesh** Jul. 2024 to Present
 - **Position: Adjunct Faculty.**
Dept. of Computer Science and Engineering, Engineering under the Faculty of Technology.
- **Prime University, Bangladesh** Jun. 2010 to Feb. 2012
 - **Position: Lecturer (Full Time).**
Dept. of Electronics and Telecommunication Engineering under the Faculty of Engineering.
- ❖ **University of Development Alternative, Bangladesh** Apr. 2010 to Jun. 2012
 - **Position: Lecturer (Full Time)**
Dept. of Electronic and Telecommunication Engineering under the Faculty of Engineering.

SCHOLASTIC
ATTAINMENT

-  **Saitama University (SU), Japan** **Oct. 2013 to Sept. 2016**
Ph.D. from Graduate School of Science and Engineering,
• **Result:** Awarded on Sept. 2016.
• **Research Field:** Robotics, Human Robot Interaction, Computer Vision.
• **Dissertation Title:** “*Observing People’s Behaviors in Public Spaces for Initiating Proactive Human-Robot Interaction by Social Robots*”
• **Supervisor:** *Yoshinori Kuno*, Professor, Dept. of Info. and Com. Sci., Saitama University, JP
-  **University of Rajshahi (RU), Rajshahi, Bangladesh** **July 2006 to Jun 2007**
M.Sc., Information and Communication Engineering, October 2007(held in October 2009)
• **Result:** First class (**First Position**, 76.37% marks obtained).
• **Dissertation Title:** “*Weighted Election Protocol (WEP) for Clustered Heterogeneous Wireless Sensor Networks*”.
• **Supervisor:** *Dr. Hasnat Kabir*, Professor, Dept. of ICE, RU, BD
-  **University of Rajshahi(RU), Rajshahi, Bangladesh** **July 2002 to June 2006**
B.Sc.(Honours), Information and Communication Engineering, October 2006(held in June 2008)
• **Result:** First Class (**1st Position**, 71.875% marks obtained, Secured **2nd Position** in the Faculty of Science).
• **Final year Project Title:** “*Cluster Based Hierarchical Routing Protocol (CBHRP) for Wireless Sensor Networks*”.
• **Supervisor:** *Muhammad Sajjadur Rahim*, Professor, Dept. of ICE, RU, BD

RESEARCH
EXPERIENCE

-  **Saitama University (SU), Japan** **1st Oct.2013 to 23th Sept. 2016**
Ph.D. Level, Computer Vision Laboratory, Dept. of Information and Computer Sciences.
• **Research Field:** Robotics, Human Robot Interaction, Computer Vision.
-  **University of Rajshahi, Rajshahi, Bangladesh** **1st July 2006 to 30th Jun 2007**
M.Sc. Level, Computer and Communication Network Laboratory, Dept. of Information and Communication Engineering.
• **Weighted Election Protocol (WEP) for Clustered Heterogeneous Wireless Sensor Networks** (Supported by Ministry of Science, Information and Communication Technology, Bangladesh).
-  **University of Rajshahi, Rajshahi, Bangladesh** **1st July 2002 to 30 June 2008**
Undergraduate Level, Computer and Communication Network Laboratory, Dept. of Information and Communication Engineering.
• **Cluster Based Hierarchical Routing Protocol (CBHRP) for Wireless Sensor Networks.**

RESEARCH
PUBLICATIONS

- BOOK CHAPTER**
- [5] Sayfullah Monsur Sujan Sarkar, Kazi Fardin Islam, Dhrubo Roy Partho, **Md. Golam Rashed**, Dipankar Das, Vaskar Deka, “Novel Approach to Fruit Caloric Estimation Based on 2D Image-Driven Volume Measurement” **Accepted** in ICTDsC 2023, Book series Lecture Notes in Networks and Systems, Springer, Singapore.
- [4] Imam Hossain, **Md. Golam Rashed**, Dipankar Das, Md. Julkarnain, Vaskar Deka, Partha Pratim Debnath, “Portable Device-Based Stress Level Estimation Using Biological Rhythms” In: Tavares, J.M.R.S., Rodrigues, J.J.P.C., Misra, D., Bhattacharjee, D. (eds) Data Science and Communication. ICTDsC 2023. Studies in Autonomic, Data-driven and Industrial Computing. Springer, Singapore. https://doi.org/10.1007/978-981-99-5435-3_2

- [3] Imran Hossen, Tohidul Islam, **Md Golam Rashed**, Dipankar Das "Early Suicide Prevention: Depression Level Prediction Using Machine Learning and Deep Learning Techniques for Bangladeshi Facebook Users" Lecture Notes in Networks and Systems book series (LNNS, volume 437), Springer, Singapore. PP. 735–747, https://doi.org/10.1007/978-981-19-2445-3_52
- [2] Bakul Chandra Roy, Imran Hossen, **Md. Golam Rashed**, and Dipankar Das "Automated Student Attendance Monitoring System Using Face Recognition" Vasant P., Zelinka I., Weber GW. (eds) Intelligent Computing and Optimization. ICO 2020. Advances in Intelligent Systems and Computing, vol 1324. Springer, Cham. https://doi.org/10.1007/978-3-030-68154-8_54
- [1] **Md. Golam Rashed**, Royta Suzuki, Toshiki Kikugawa, Antony Lam, Yoshinori Kobayashi, and Yoshinori Kuno, "Network Guide Robot System Proactively Initiating Interaction with Humans Based on Their Local and Global Behaviors", In book entitled- Intelligent Computing Theories and Methodologies, Springer International Publishing, Vol. 9226, PP. 283-294. Aug. 2015.

JOURNAL PAPERS

- [23] Md. Tohidul Islam, Md. Khalid Syfullah, **Md. Golam Rashed**, Dipankar Das "Bridging the Gap: Advancing the Transparency and Trustworthiness of Network Intrusion Detection with Explainable AI" International Journal of Machine Learning and Cybernetics, Vol 15, Issue. <https://doi.org/10.1007/s13042-024-02242-z>
- [22] Md. Tofael Ahmed, A. Z. M. Touhidul Islam, Maqsur Rahman, Dipankar Das, **Md. Golam Rashed** "Cyberbullying Detection Based on Hybrid Ensemble Method using Deep Learning Technique in Bangla Dataset" International Journal of Advanced Computer Science and Applications, 14(9):545~551, 2023
- [21] Md. Tofael Ahmed, Nahida Akter, Maqsur Rahman, Abu Zafor Muhammad Touhidul Islam, Dipankar Das, **Md. Golam Rashed** "Multimodal Cyberbullying Meme Detection From Social Media Using Deep Learning Approach" 15(4), 27-37, 2023
- [20] Sarkar, B., **Rashed, . M. G.**, Das, D., & Yasmin, R. "Energy-Aware Threshold Sensitive Stable Election Protocol (EATSEP) for Wireless Sensor Networks" Journal of Scientific Research, 14(2), 419–433. <https://doi.org/10.3329/jsr.v14i2.55330>, 2022
- [19] M. M. Hoque, **M. G. Rashed**, M. H. Kabir, A. F. M. Z. Abadin, M. I. Pramanik "EAGBRP: A Gateway Based Routing Protocol for Heterogeneous Wireless Sensor Networks," Journal of Scientific Research; Vol.13, Issue. 2, PP. 467-481, 2021
- [18] P. P. Debnath, **M. G. Rashed**, D. Das, M. R. Basar "Smart Interrogation System by Detection of Visual Focus of Attention", Journal of Scientific Research, Vol. 13, Issue. 1, PP. 47-58, 2021
- [17] M. Ileas Pramanik, Raymond Y. K. Lau, Md Sakir Hossain, Md Mizanur Rahoman, Sumon Kumar Debnath, **Md Golam Rashed**, Md Zassim Uddin "Privacy preserving big data analytics: A critical analysis of state-of-the-art", WIREs Data Mining Knowl Discov. 2020;e1387. <https://doi.org/10.1002/widm.1387>
- [16] Debnath Partha Pratim, **Rashed Md. Golam**, Das Dipankar, Imran Mehedi Hasan, Roy Mitaly "Suspicious Behavior Detection in Smart Class Room: Computer Vision Approach" BAUET Journal, Vol. 2 Issue 2 PP. 206-218

- [15] **Md. Golam Rashed**, Dipankar Das, Yoshinori Kuno “ A Study on Proactive Methods for Initiating Interaction with Human by Social Robots”, *ASIAN JOURNAL FOR CONVERGENCE IN TECHNOLOGY (AJCT)*, 4 (II), November,2018
- [14] Partha Pratim Debnath, **Md. Golam Rashed**, Dipankar Das “ ATTENTION DETECTION OF THE DRIVER TO ENSURE SAFE DRIVING” *Global Scientific Journal*, Vol. 6, Issue 6. June, 2018
- [13] **Md. Golam Rashed**, Royta Suzuki, Takua Yenezawa, Antony Lam, Yoshinori Kobayashi, and Yoshinori Kuno,” *Robustly Tracking People with LIDARs in a Crowded Museum for Behavioral Analysis*” Institute of Electronics, Information and Communication Engineers (IEICE) Transactions on Fundamentals of Electronics, Communications and Computer Sciences, Vol E100, No. 11, PP 2458-2469, Nov 2017.
- [12] Dipankar Das, **Md. Golam Rashed**, Yoshinori Kobayashi, and Yoshinori Kuno, “ *Supporting Human–Robot Interaction Based on the Level of Visual Focus of Attention* ”, *IEEE Transaction on Human Machine System*, Vol. 45, No. 6, PP. 664-675, ISSN: 2168-2291, DOI:10.1109/THMS.2015.2445856
- [11] Laila Naznin, Shahrina Sultana, **M. Golam Rashed** and Shaikh Enayet Ullah, "*Secured Text Message Transmission In Pre -Channel Equalization Based Mimo- Ofdm System With Implementation Of Concatenated ECB and CFB cryptographic Algorithm,*" *International Journal of Network security and its Applications (IJNSA)*, Vol. 4, No. 5, Sept. 2012.
- [10] Sohag Sarker , Farhana Enam, **Md. Golam Rashed**, Shaikh Enayet Ullah, “*Performance Analysis of Two-Layer Spreading scheme based FEC encoded MC–CDMA wireless communication system under implementation of various signal detection schemes*”, *Journal of Emerging Trends in Computing and Information Sciences*, Vol. 3, No. 4, ISSN: 20798407, April 2012.
- [9] **Md. Golam Rashed**, Shaikh Enayet Ullah, Most. Farjana Sharmin , “*Encrypted message transmission in a QO-STBC encoded MISO wireless Communication system under implementation of low complexity ML decoding algorithm*” , *International Journal of Computers & Technology*, Vol. 2, No. 2, ISSN: 2277-3061, April 2012.
- [8] M. Hasnat Kabir, Shaikh Enayet Ullah, Mustari Zaman, **Md. Golam Rashed**, “*BER Analysis of Iterative Turbo Encoded MISO Wireless Communication System Under Implementation of Q-OSTBC Scheme*”, *International Journal of Information Technology Convergence and Services (IJITCS)*, Vol.2, No, PP. 9-16, **India**, February 2012. DOI: [10.512/ijitcs.2012.2102](https://doi.org/10.512/ijitcs.2012.2102).
- [7] **Md. Golam Rashed**, M. Hasnat Kabir, Md. Selim Reza, Md. Maticul Islam , Rifat Ara Shams , Saleh Masum , and Sheikh Enayet Ullah, “*Voice Signal Transmission: BER Performance Analysis of different FEC Schemes Based OFDM System over Various channels*”, *International Journal of Advanced Science and Technology (IJAST)* ,Vol. 34, PP. 89-100, September 2011.
- [6] **M. G. Rashed**, M. Hasnat Kabir, M. Sajjadur Rahim, and Sk. Enayet Ullah, “*CBHRP: A Cluster Based Routing Protocol for Wireless Sensor Network*”, *Computer Science & Engineering: An International Journal (CSEIJ)*, Vol. 1, No. 3, ISSN: 2231 – 3583, August 2011. DOI : [10.5121/cseij.2011.1301](https://doi.org/10.5121/cseij.2011.1301).
- [5] Md. Emdadul Haque, **Md. Golam Rashed**, M. Hasnat Kabir, “*A Comprehensive Study and Performance Comparison of M-ARY Modulation Schemes for an Efficient Wireless Mobile Communication System*”, *International Journal of Computer Science, Engineering and Applications (IJCSEA)*, Vol.1 No. 3, June 2011. DOI : [10.5121/ijcsea.2011.130](https://doi.org/10.5121/ijcsea.2011.130)
- [4] **Md. Golam Rashed**, M. Hasnat Kabir, Sk. Enayet Ullah, “*WEP: An Energy Efficient Protocol for Cluster Based Heterogeneous Wireless Sensor Network*”, *International Journal of Distributed and Parallel System (IJDPS)*, Vol. 2, No. 2, PP. 54-60, March 2011. DOI : [10.5121/ijdps.2011.2205](https://doi.org/10.5121/ijdps.2011.2205).
- [3] **Md. Golam Rashed**, M. Hasnat Kabir, “*Weighted Election Protocol (WEP) for Clustered Heterogeneous Wireless Sensor Network*”, *Journal of Mobile Communication*, Vol. 4, No. 2, PP. 38-42, **Pakistan**, August 2010, DOI: [10.3923/jmcomm.2010.38.42](https://doi.org/10.3923/jmcomm.2010.38.42).

- [2] **Md. Golam Rashed**, M. Hasnat Kabir, Muhammad Sajjadur Rahim and Shaikh Enayet Ullah, "Cluster Based Hierarchical Routing Protocol (CBHRP) for Wireless Sensor Networks (WSNs)", International Journal of Computer and Network Security (IJCNS), Vol. 2, No. 5, PP. 128-131, May 2010.
- [1] **Md. Golam Rashed**, M. Hasnat Kabir, Rubaiyat Yasmin and Sk. Enayet Ullah, "Performance evaluation of CRC Interleaved QPSK based Wireless Communication System for Color Image Transmission", Journal of Bangladesh Electronics Society (BES), Vol. 9, No. 1-2, PP. 151-159, Dhaka, **Bangladesh**, December 2009.

CONFERENCE PROCEEDINGS

A. POSTER Presentation

- [3] Monsur Sujon Sarkar Sayfullah, Islam Kazi Fardin, Partho Dhruvo Roy, **Rashed Md. Golam**, Das Dipankar, "Caloric Estimation of Fruits Using Volume Measurement from a Single 2D Image", International Innovation and Invention Competition (IIICe2024) by the Faculty of Electrical and Electronic Engineering, Universiti Tun Hussein Onn Malaysia (UTHM), Malaysia. (**Received Bronze Awards**), 08/2024.
- [2] **Md. Golam Rashed**, Suzuki Royta, Antony Lam, Yoshinori Kobayashi, and Yoshinori Kuno. "Toward Museum Guide Robots Proactively Initiating Interaction with Humans" in the Proceedings of the 2015 ACM/IEEE international conference on Human-Robot Interaction (HRI '15), Portland, OR, **USA**, 2015, ISBN: 978-1-4503-3318-4 DOI: 10.1145/2701973.2701974
- [1] Dipankar Das, **Md. Golam Rashed**, Yoshinori Kobayashi, and Yoshinori Kuno. "Recognizing gaze pattern for human robot interaction" In Proceedings of the 2014 ACM/IEEE international conference on Human-robot interaction (HRI '14). ACM, New York, NY, **USA**, DOI=10.1145/2559636.2559818

B. ORAL Presentation

- [26] Md. Habib Ehsanu Hoque, Mrittika Mahbub, Mohd Razali Bin Md Tomari, Rezaul Bashar, **Md. Golam Rashed**, Dipankar Das, "Real-time Detection of Diverse Bangladeshi Traffic Signs Using YOLOv8", **Accepted** in the IEEE Conference on Future Machine Learning and Data Science, Sydney, 2024 (FMLDS-2024), Australia, 20-23 Nov. 2024
- [25] Niloy Kumar Mondal, **M. Golam Rashed**, D. Das, Abu Zafor Muhammad Touhidul Islam "Design and Implementation of an Autonomous Cooking Robot," **Submitted** in the 2024 27th International Conference on Computer and Information Technology (ICCIT), Cox's Bazar, Bangladesh, Dec. 2024.
- [24] H. M. Sazzad Quadir, Md. Atikur Rahman, Moontasir Mahmood, Nishat Tasnim, Md. Tohidul Islam, **Md. Golam Rashed**, Dipankar Das, "The Role of XAI in User-Centric Recommender Systems Using Collaborative and Content-Based Approaches" **Submitted** in the 2024 27th International Conference on Computer and Information Technology (ICCIT), Cox's Bazar, Bangladesh, Dec. 2024.
- [23] M. T. Islam, M. K. Syfullah, J. Islam, H. M. S. Quadir, **M. G. Rashed** and D. Das, Exploring the Potential: ML vs. DL in Network Security with Explainable AI (XAI) Insights," 2023 IEEE 26th International Conference on Computer and Information Technology (ICCIT), Cox's Bazar, Bangladesh, 2023, pp. 1-6, doi: 10.1109/ICCIT60459.2023.10441363.
- [22] Islam, M. T. Islam, **M. Golam Rashed** and D. Das, "Accurate Vehicles Detection and Speed Estimation Using Homography Based Background Subtraction and Deep Learning Approaches," 2023 IEEE 26th International Conference on Computer and Information Technology (ICCIT), Cox's Bazar, Bangladesh, 2023, pp. 1-6, doi: 10.1109/ICCIT60459.2023.10441114.

- [21] Imran Hossen, Md. Tohidul Islam, **Md. Golam Rashed**, Dr. Dipankar Das, "Early Suicide Prevention: Depression Level Prediction Using Machine Learning and Deep Learning Techniques for Bangladeshi Facebook Users," The International Conference on 4th Industrial Revolution and Beyond (IC4IR 2021) is being organized by the University Grants Commission (UGC) of Bangladesh.
- [20] Reajul Islam, **Md. Golam Rashed**, Rubaiyat Yasmin and Mirza A. F. M. Rashidul Hasan, "A Comparative Analysis of Various Cryptographic Algorithms Ensuring Secrecy and Authenticity of Exchanged Information," 6th International Conference on Engineering Research, Innovation and Education (ICERIE 2021), PP. 760-766, SUST, Bangladesh
- [19] Md. Muzammal Hoque, Biplob Sarkar, **M. G. Rashed**, M. H. Kabir, Afm Zainul Abadin and Khadiza Tul Kubr, "Energy-Aware Gateway Based Routing Protocol for Heterogeneous Wireless Sensor Networks," 6th International Conference on Engineering Research, Innovation and Education (ICERIE 2021), PP. 767-772, SUST, Bangladesh
- [18] Partha Pratim Debnath, **Md. Golam Rashed** and Dipankar Das, "Smart Interrogation System: Computer Vision Approach", 6th International Conference on Engineering Research, Innovation and Education (ICERIE 2021), PP. 791-797, SUST, Bangladesh
- [17] Biplob Sarkar, Md. Muzammal Hoque, Dipankar Das and **Md. Golam Rashed**, "EATSEP: Energy Aware Threshold Sensitive Stable Election Protocol for Wireless Sensor Networks," 6th International Conference on Engineering Research, Innovation and Education (ICERIE 2021), PP. 818-823, SUST, Bangladesh
- [16] Sushanta Roy Supta, Md. Rifath Sahriar, **Md. Golam Rashed**, Dipankar Das, Rubaiyat Yasmin "An Effective Facial Expression Recognition System," 2020 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE), Bhubaneswar, India
- [15] Hossain, D. Das and **M. G. Rashed**, "Internet of Things Based Model for Smart Campus: Challenges and Limitations," 2019 International Conference on Computer, Communication, Chemical, Materials and Electronic Engineering (IC4ME2), Rajshahi, Bangladesh, pp. 1-4, doi: 10.1109/IC4ME247184.2019.9036629, July 2019.
- [14] Partha Pratim Debnath , **Md. Golam Rashed** and Dipankar Das " Automatic Examination Hall Invigilation System to Detect Examinees Suspicious Behaviour " 5th International Conference on Engineering, Research, Innovation and Education (ICERIE), SUST. January, 2019
- [13] Md. Ismail Husain, Mahfuz Alam, **Md. Golam Rashed**, Md. Emdadul Haque, Mirza A. F. M. Rashidul Hasan and Dipankar Das " **Bluetooth Network Based Remote Controlled Home Automation System** " 1st IEEE International Conference on Advances in Science, Engineering, and Robotics Technology (ICASERT) 2019, pp. 1298-1303. May, 2019.
- [12] Dipankar, Das; **Md. Golam, Rashed**; Md. Rezual, Bashar; Yoshinori, Kuno " Real-Time Iris Center Detection and Tracking From Video Images " 1st International Conference on Machine Learning and Data Engineering, Sydney, 2017 (iCMLDE 2017), PP. 35-41. November, 2017
- [11] Partha Pratim Debnath, **Md. Golam Rashed**, Dipankar Das " Visual Attention Detection: What is the target person looking at? " Proc. 1st International Conference on Machine Learning and Data Engineering (iCMLDE2017), PP. 215-222, 20-22 Nov 2017, Sydney, Australia, ISBN: 978-0-6480147-3-7. November, 2017
- [10] **Md. Golam Rashed**, Dipankar Das, Yoshinori Kobayashi, and Yoshinori Kuno, "Analysis and Prediction of Real Museum Visitors' Interests and Preferences Based on Their Behaviors" In the proceedings of IEEE International Conference on Electrical, Computer and Communication Engineering (ECCE 2017), Cox's Bazar, Bangladesh, PP. 451-456. February, 2017
- [9] **Md. Golam Rashed**, Royta Suzuki, Takua Yenezawa, Antony Lam, Yoshinori Kobayashi, and Yoshinori Kuno, "Tracking Visitors in a Real Museum for Behaviors Analysis" in the proceedings of the Joint 8th International Conference on Soft Computing and Intelligent Systems and 17th International Symposium on Advanced Intelligent Systems (SCIS&ISIS-2016), PP. 80-85, Hokkaido, **Japan**, August 2016.

**RESEARCH
PUBLICATIONS
(CONTINUE...)**

- [8] Takua Yenezawa, Royta Suzuki, **Md. Golam Rashed**, Yoshinori Kobayashi, and Yoshinori Kuno, “Towards Estimating Museum Visitor’s Degree of Interest Based on the Movement Analysis”, 2016 General Conference on Electronics, Information and Communication Engineers, , P. 148, Kyushu University, **Japan**, 15-18th March 2016.
- [7] **Md. Golam Rashed**, “Toward Designing a Guide Robot System for Public Spaces Based on People’s Behavior Analysis”, 8th Japan Muslim Researchers' Interdisciplinary Symposium (JMRIS-2016), Organized by TUICS, University of Tokyo, **Japan**, 20 February 2016.
- [6] **Md. Golam Rashed**, Royta Suzuki, Antony Lam, Yoshinori Kobayashi, and Yoshinori Kuno, “A Vision Based Guide Robot System: Initiating Proactive Social Human Robot Interaction in Museum Scenario”, Proceedings of the 1st International Conference on Computer and Information Engineering (ICCIE-2015) [Technically co-sponsored by IEEE, Bangladesh Section], PP.5-9. Rajshahi, **Bangladesh**
- [5] **Md. Golam Rashed**, Royta Suzuki, Toshiki Kikugawa, Antony Lam, Yoshinori Kobayashi, and Yoshinori Kuno, “Network Guide Robot System Proactively Initiating Interaction with Humans Based on Their Local and Global Behaviors”, In Proceedings of 11th International Conference on Intelligent Computing (ICIC2015), **China**, August, 2015.
- [4] **Md. Golam Rashed**, Shaikh Enayet Ullah, Rubaiyat Yasmin "Secured message data transactions with a Digital Envelope (DE)-A higher level cryptographic technique", Proceedings of International Conference on Engineering, Research, Innovation and Education- 2013, SUST, PP. 495-501, **Bangladesh**.
- [3] Md. Matiquil Islam, M. Hasnat Kabir, Rifat Ara Shams, Saleh Masum, Sheikh Enayet Ullah, **Md. Golam Rashed**, “Comparison of Wavelet and Fourier based MC- CDMA System with Implementation of Alamouti Antenna Diversity Scheme over Different Wireless Channel”, Proceedings of the 3rd International Symposium on Frontier Technology, Kochi University of Technology-2011, PP. 181-185, Kochi, **Japan**, July 2011.
- [2] Md. Abir Hossain Khandokar, **Md. Golam Rashed**, Rubaiyat Yasmin, Mirza A.F.M Rashidul Hasan, “Performance comparison of M-ary modulation schemes for an efficient wireless communication system with digital color image transmission”, Proceedings National Conference on Communication and Information Security-2009 (NCCIS-2009), PP. 18-22, Dhaka, **Bangladesh**, February 2009.
- [1] Md. Dulal Haque, **Md. Golam Rashed**, and S.Enayet Ullah “A Comprehensive study on the performance analysis of MSK Modulation Scheme on a Communication System for digital mage transmission” Proceedings of National conference on Electronics, Information and Telecommunication,P-124, ISBN: 984-300-000645-7, **Bangladesh**,29-30 June, 2007.

**ACADEMIC
PARTICIPATIONS
and
PRESENTATION**

- Attended as a **Session Chair** in Tarck Industry & Applications" International Conference on Power, Electrical, Electronics, and Industrial Applications (PEEIACON 2024), RUET September 12-13, 2024
- Attended as a technical **SESSION CHAIR** in technical session AI-11 in the IEEE 6th International Conference on Electrical Engineering and Information & Communication Technology (ICEEICT), MIST, Dhaka, Bangladesh, May 2024.
- Attended as a **Session Chair** in 26th International Conference on Computer and Information Technology (ICCIT), Cox’s Bazar, Bangladesh. Technically sponsored by IEEE, Bangladesh Section, Dec 2023.
- Attended as a **Session Chair/Co-Chair** in International Workshop on Computational Linguistics and Bangla Language Processing (CLBLP 2023), Organized by CUET NLP Lab.
- Attended as a **Session Chair/Co-Chair** in the IEEE sponsored 2023 International Conference on Electrical, Computer and Communication Engineering (ECCE), Organized by: Faculty of Electrical and Computer Engineering (ECE), Chittagong University of Engineering and Technology (CUET), Bangladesh. Feb 2023.
- Attended as an **Author** in the Internation Conference on Data Science and Communication (ICTsC-2023), Siliguri Institute of Technology (SIT), Sukna, Siliguri, India. March 2023.

ACADEMIC
PARTICIPATIONS
and
PRESENTATION
(CONTINUE...)

- Attended as a **SESSION CHAIR** and **author** in the 26th International Conference on Computer and Information Technology (ICCIT 2023), Technically sponsored by IEEE, Bangladesh Section, Coxbazar, Bangladesh, Dec 2022.
- Attended as a **SESSION CHAIR** to the technical session on Technical session-1(B)Algorithm, Artificial Intelligence, Robotics, and Mechatronics, Others" in the International Conference on Computer, Communication, Chemical, Material, and Electronic Engineering (IC4ME2-2021), hosted by the Faculty of Engineering, University of Rajshahi, December 26-27, Bangladesh
- Attended as a **GUEST SPEAKER** at the special session on Human-Robot Interaction to WINTER SCHOOL OF ROBOTICS," jointly organized by IEEE Robotics and Automation Society University of Rajshahi Student Branch Chapter and IC4ME2-2021, University of Rajshahi, Bangladesh
- Attended as a **SESSION CHAIR** to the session on "DITS7: AI for Detection and Prediction-1" International Conference on 4th Industrial Revolution and Beyond (IC4IR) 2021, Organized by the University Grants Commission (UGC) of Bangladesh, 10-11 December 2021, Dhaka, Bangladesh
- Attended as a **Session chair/ Co-chair** for a Technical Session D1P2S1: Robotics, Mechatronics & Automation - II" at the 2021 International Conference on Automation, Control and Mechatronics for Industry 4.0 (ACMI) on 08-09 July 2021, Organized by the Department of Mechatronics Engineering, Rajshahi University of Engineering and Technology, Rajshahi, Bangladesh
- Attended as a **Session Chair** of the track: Robotics, Control and Automation at the fully virtual conference IEEE Region 10 Symposium (TENSYP) 2020;5th -7th , Dhaka, **Bangladesh**, June **2020**.
- Participated and completed the School and Conference on Fully-Programmable Systems-On-Chip for Scientific Instrumentation, Organized by ICTP in association with Guwahati University, India and University Kebangsaan Malaysia, Malaysia, **India**, 4-9 November **2019**
- Participated as a **Resource Person** in a seminar with title Observing Peoples' Local and Global Behaviors in Public Spaces for Supporting Social Robots to Initiate Proactive HRI at the Dept. of Information Technology (IT), Guwahati University, Assam, **India**, 07 Nov. **2019**.
- Participated in the 2019 Second International Conference on Advances in Electrical, Electronic, and System Engineering (ICAESE 2019), Guwahati University, Assam, **India**, 2-3 Nov. **2019**.
- Attended as an author of a scientific paper at the 5th IEEE International Conference on Computer, Communication, Chemical, Material and Electronic Engineering (IC4ME2-2019), Organized by Faculty of Engineering, University of Rajshahi, Rajshahi-6205, **Bangladesh**, 11-12 July. **2019**.
- Attended as an author of a scientific paper at the 5th International Conference on Engineering Research, Innovation and Education 2019 (ICERIE-2019)-organized by School of Applied Science and Technology, SUST, **Bangladesh**, 25-27 January **2019**.
- Attended as the participant at IEEE Mini-POCO 2018, organized by IEEE BDS , ECE, BUET, **Bangladesh**, 3th Aug. **2018**.
- Attended as a technical Session speaker at the Workshop on Post Self-Assessment (SA) Improvement Plan, Organized by Dept. of ICE, Rajshahi University, **Bangladesh**, 15 May 2018.
- Attended as a Session Chair at the 2017 IEEE Region 10 Humanitarian Technology Conference, BUET, Dhaka, **Bangladesh**, 21-23 December **2017**.
- Attended as a participant at a Seminar on "Development of Intelligent Systems and Transformation of Thoughts into Research and Innovation", Organized by IICT, BUET, **Bangladesh**, 30-31 December **2017**.
- IUT 9th ICT Fest 2017, Organized by department of Computer Science and Engineering and IUT Computer Society, Islamic University of Technology, Gazipur, **Bangladesh**,13-14 Oct. 2017.
- Workshop on 3D Printing Technology, organized by department of Information and Communication Engineering, University of Rajshahi, **Bangladesh**, 5 Oct. **2017** .
- International Conference on Electrical, Computer and Communication Engineering (ECCE 2017), Organized by CSE dept. of CUET, **Bangladesh**, 16-18 Feb. **2017**.
- International Conference on Computer, Communication, Chemical, Material and Electronic Engineering(IC4ME2-2017), Organized by Faculty of Engineering, University of Rajshahi, Rajshahi-6205, **Bangladesh**, 26-27 Janu. **2017**.
- Visited and presented research related information to the members of the **Human Centric Engineering Laboratory**, Hokkaido University, Sapporo, **Japan** 29 Aug. **2016**.

- Joint 8th International Conference on Soft Computing and Intelligent Systems and 17th International Symposium on Advanced Intelligent Systems (SCIS&ISIS-2016), Hokkai Gakuen University, Sapporo, Hokkaido, **Japan**, 25-28 Aug. **2016**.
- 8th Japan Muslim Researchers' Interdisciplinary Symposium (JMRIS-2016), Organized by TUICS, University of Tokyo, **Japan**, 20 February **2016**.
- 1st International Conference on Computer and Information Engineering (ICCIE2015), Rajshahi, **Bangladesh**, 26-27 Nov. **2015**.
- 11th International Conference on Intelligent Computing (ICIC2015), Fuzhou, **China**, 20-23 August, **2015**.
- 10th ACM/IEEE International Conference on Human-Robot Interaction (HRI '15), Portland, OR, **USA**, 2-5 March **2015**.
- International Conference on Engineering Research, Innovation and Education 2013-organized by School of Applied Science and Technology, SUST, **Bangladesh**, 11-13 January **2013**.
- Electronics, Computer and Communication (ICECC-2008)-organized by Bangladesh Electronic Society (BES), **Bangladesh**. 27-29 June, **2008**.
- National workshop on Digital Signal and Image processing- organized by the Department of Statistics, Supported by Higher Education Quality Enhancement Project (HEQEP), University of Rajshahi, Rajshahi, **Bangladesh**, 25th-26th May, **2012**.
- Workshop on Digital Bangladesh, organized by Ministry of Science, Information and Communication Technology of the Government of the People's Republic of Bangladesh, Dhaka, **Bangladesh**, 28 January **2010**.
- National workshop on Networking and ISP setup with LINUX jointly organized by the Department of Information and Communication Engineering, Islamic University, Kushtia and Infinity Institute of Business and Technology, Dhaka, **Bangladesh**, 27th-29th March, **2009**.
- National Workshop on Oscilloscope-Operation, Troubleshooting, and Maintenance and Procurement- organized by the Dept. of Electronics & Telecommunication Engineering, Rajshahi University of Engineering & Technology (RUET), **Bangladesh**, 5th -7th March, **2009**.
- Workshop on MPLS and Next Generation Network- organized by Daffodil International University, Dhaka, **Bangladesh**, 14th February, **2009**.
- National Conference on Communication and Information Security (NCCIS-2009), organized by Daffodil Int. University, Dhaka, **Bangladesh**, 14th Feb. **2009**.
- International Workshop on "Radio Communication" jointly organized by Bangladesh Electronics Society, Bangladesh and Regional Facilities on Radio Science (RFRS), National Physical Laboratory, Delhi, India, Venue: University of Rajshahi, **Bangladesh**, 30 June, **2008**.
- International Conference on Electronics, Computer and Communication (ICECC-2008)- organized by Bangladesh Electronic Society (BES), **Bangladesh**. 27-29 June, **2008**.
- National Conferences on Electronics, Information and Telecommunication (NCEIT-2007)- Organized by Bangladesh Electronic Society (BES), **Bangladesh**, 27-28 June, **2007**.
- Training courses on "Introduction to Computer, Application packages and Internet & Email Usage" organized by Bangladesh Computer Council under the project entitled Conducting standard computer training courses in the Divisional head quarter under Ministry of Science, Information and Communication Technology, Bangladesh at Rajshahi, **Bangladesh**, 15th March-21st May, **2003**.

**ACADEMIC
PARTICIPATIONS
and
PRESENTATION
(CONTINUE...)**

**HONORS AND
AWARDS**

- Receiving **Japanese Government (Monbukagakusho) Scholarship (MEXT)** to pursue Ph.D degree from Oct. 2013 to Present.
- **National Science, Information and Communication Technology (NSICT)-2009 Fellow**, Ministry of Science, Information and Communication Technology (MOSICT) of the Government of the People's Republic of Bangladesh, Bangladesh. July 2009 to June 2010.
- Ranked **First** among the 21 students at the M. Sc. Examination of 2006, Department of Information and Communication Engineering, University of Rajshahi, Bangladesh.
- Ranked **First** among the 24 students at the B.Sc. (Hon's) Examination of 2006, Department of Information and Communication Engineering, University of Rajshahi, Bangladesh.
- Received Merit Scholarship for outstanding result in the B.Sc(Hon's) Examination-2006 from **University Grant Comission (UGC)** of Bangladesh, Oct. 2008 to Sep. 2009.

- Ranked **Second in the Science Faculty**, University of Rajshahi, at the B.Sc. (Hon's) Examination of 2006, Bangladesh.
- Received Science faculty 1st/2nd award from **KAZI ABDUL LATIF MEMORIAL TRUST**, University of Rajshahi, Bangladesh on the outstanding result in the B.Sc. (Hon's) Exam-2006. Oct. 2008 to Sep. 2009.
- Received Scholarship for outstanding result in HSC Examination-2002 from Rajshahi Educational Board, Rajshahi, Bangladesh, March 2003 to February 2007.
- Received Scholarship for outstanding result in HSC Examination-2002 from College Principle office, Rajshahi Govt. City College, Rajshahi, Bangladesh.

PROFESSIONAL ACTIVITIES

- **Secretary**, Technical Program Committee, IEEE 8th International Conference on Recent Progresses in Science, Engineering and Technology (ICRPSET 2024), Organized by Faculty of Science, University of Rajshahi, Bangladesh
- TPC member of FMLDS 2024 (Western Sydney University, Australia), AITA2024 (Bangalore, India), ICCCT2024 (RIET, Jaipur, India), CML2024 (Sikkim, India), BIDA2024 (RVIM Bangalore, India), ICCA2024 (AIUB, Dhaka, BD), PCCDA2024(Rishikesh, India), ICSPCRE2024 (Roukela, India), GIEST2024(NIT Manipur, India), ICCIS2024 (MANIT, Bhopal, India), ICDSA2024 (Malaviya National Institute of Technology Jaipur, India), ICSPCRE2024(NIT, Roukela, India), PCCDA2024 (Rishikesh, India), SPICSCON2024(Khulna, Bangladesh)
- TPC member of the ICREST 2023 (AIUB, BD), ECCE2023 (CUET, BD), ADCIS2023 (Goa, India), CSCT2023 (New Delhi, India), ICIDeA2023 (Imphal, India), EICT2023 (KUET, BD), ICPS2023(Cox'sbazar, BD), ICCIS2023 (Jaipur, India),
- Reviewer of IEEE ICST-2021 (BUBT, BD), IEEE ICREST-2021 (AIUB, BD), ICICT4SD-2021 (BUP, BD), ISCAIE2021 (Universiti Teknologi Mara, Malaysia), ICEEICT-2021 (MIST, BD), RAAICON-2021(BD), IC4IR-2021(DHK, BD), IC4ME2-2021(RU, BD), IC4IR-2021 (DHK, BD), IC4ME2-2021 (RU,BD).
- TPC member of the TCCE-2020, Jahangirnagar University, Savar, Dhaka, Bangladesh.
- Reviewer of IEEE STI-2020 (GU, BD), IEEE ICAICT-2020 (UIU, BD), ICECCE-2020 (BUET, BD), WIECON-ECE-2020 (Bhubaneswar, India)
- TPC member of the IEEE Region 10 Symposium (TENSYP)-2020, BUET, Dhaka, Bangladesh.
- TPC member of the IEEE BD section sponsored IC4ME2-2019 (RU, BD).
- Reviewer of IEEE IC4ME2-2019 (RU, BD), IEEE STI-2019 (GU, BD).
- TPC member of the IEEE BD section sponsored ECCE-2019 (CUET) conference.
- Reviewer of IEEE BD section sponsored ICBSLP-2018, ICEEICT-2018, ICISSET-2018.
- Publicity Coordinator of IEEE Robotics and Automation Society (RAS)- Bangladesh (BD) Chapter (2018~).
- Reviewer of IEEE BD section sponsored IC4ME2-2017(RU, BD), ICAEE-2017 (IUB, BD), EICT-2017(KUET, BD), ECCE-2017 (CUET, BD), icIVPR-2017 (Dhaka, BD), HTC-2017 (BUET, BD)
- Reviewer of 2017 4th International Conference on Engineering Research, Innovation, and Education (ICEIRE 2017), SUST, Cox's Bazar, Bangladesh.
- Appointed as an External Examiner of a Ph.D. thesis entitled "**Modelling Energy-Efficient Secure Communication in underwater wireless sensor networks**" by Sheena Kohli, Mody University of Science and Technology, Lakshamangarh-332311, SIKAR, Rajasthan, INDIA.
- **Publicity Coordinator** of IEEE Robotics and Automation Society (RAS)- Bangladesh (BD) Chapter (2018~).

PROFESSIONAL ACTIVITIES (CONTINUE...)

- **Coach** of many ICE Student Programming Contestant team participated in IUPC.
- **Coach** of an ICE Student Programming Contestant team, participated in ACM ICPC Asia Dhaka Regional Contest-2017, 2018, 2019, 2020, 2022 Dhaka, Bangladesh.
- **Reviewer** and **Session Chair** of 2017 IEEE Region 10 Humanitarian Technology Conference, BUET, Dhaka, Bangladesh.
- **Reviewer** of 2017 4th International Conference on Engineering Research, Innovation and Education (ICEIRE 2017), SUST, Cox's Bazar, Bangladesh.
- Volunteer student worker for the 1st International conference on Electronics, Computer and Communication (ICECC-2008), Rajshahi University, **Bangladesh** (June, 2008)
- Volunteer student worker for the 1st National Conference on Electronics, Information and Telecommunication (NCEIT-2007), Rajshahi University, **Bangladesh** (June, 2007).

**PROFESSIONAL
MEMBERSHIP**

- **Senior Member of IEEE** Since 2024
- IEEE Professional member: Member #93848050, Dhaka Section Since 2018
- **IEEE** student member: Member # 93848085, Tokyo Section
- *Vice President* of [ICE Programming Club](#), ICE Dept., University of Rajshahi.
- **Associate member** of Bangladesh Computer Society, **Bangladesh**.

**LANGUAGE
SKILLS**

- **Bengali:** Mother Tongue.
- **English**
- **Japanese**

REFERENCES

Available upon Request