

**NAME** Md. Golam Rashed

**CONTACT INFORMATION** Human-Computer Interaction Laboratory,  
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**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: Professor** 6<sup>th</sup> Jan 2026 ~
  - **Position: Associate Professor** 3<sup>rd</sup> Mar. 2020 to 5<sup>th</sup> Jan 2026
  - **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 12 Dec 2024
    - Rokeya Hall (Official Female Hostel) Oct. 2016 to Oct. 2021
    - Munnujan Hall (Official Female Hostel) Oct. 2012 to Sept. 2013
- ❖ **Varendra University, Rajshahi, Bangladesh** Jan 2025 to Present
  - **Position: Adjunct Faculty.**  
Dept. of Computer Science and Engineering, Engineering under the Faculty of Engineering.
- ❖ **Pundra Science and Technology University, Bogura, BD** Jul. 2024 to June 2025
  - **Position: Adjunct Faculty.**  
Dept. of Computer Science and Engineering, Engineering under the Faculty of Technology.
- ❖ **Varendra University, Rajshahi, Bangladesh** May 2022 to Sept. 2022
  - **Position: Adjunct Faculty.**  
Dept. of Computer Science and Engineering, Engineering under the Faculty of Engineering.
- ❖ **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 (**1<sup>st</sup> Position**, 71.875% marks obtained, Secured **2<sup>nd</sup> 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**

 **University of Rajshahi (RU), Bangladesh** **Oct 2026 to Present**  
**Teaching and Research Level, Human-Computer Interaction (HCI) Laboratory in Collaboration with Computer Vision Laboratory, Dept. of ICE, University of Rajshahi.**

- **Description:** Research under this HCI laboratory led by me where undergraduate, graduate, and post-graduate students are directly involved in research related activities in the diversified fields of Information and Communication Engineering (e.g., Computer Vision, Human-Computer Interaction (HCI), Human-Robot Interaction (HRI), Cryptography, Wireless Sensor Network, and so on.). Researchers at different academic levels (BSc, MSc, MPhil, PhD) are completing their research work and receiving awards regularly under my direct supervision.

 **Saitama University (SU), Japan** **1<sup>st</sup> Oct.2013 to 23<sup>rd</sup> 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** **1<sup>st</sup> July 2006 to 30<sup>th</sup> 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** **1<sup>st</sup> 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  
FUND/GRANTS  
RECEIVED**

1. Received a research grand of Tk. 4,00,000/= (Taka Four Lac) from University of Rajshahi for conducting research entitled “*Privacy-Preserving Autonomous Search Workflow Through Local LLM-Enabled Multi-Agent System With Enhanced Web Search Integration*” during financial Year 2024-2025, **RUNNING** in the year **2023**. **Role: PROJECT Co-DIRECTOR.**
2. Received a research grand of Tk. 2,00,000/= (Taka two Lac) from University of Rajshahi for conducting research entitled “*2D Image-Based Fruits Caloric Estimation Using Volumetric Reconstruction*” during financial Year 2024-2025, **RUNNING** . **Role: PROJECT DIRECTOR.**
3. Received a research grand of Tk. 4,00,000/= (Taka FOUR Lac) from University of Rajshahi for conducting research entitled “*Vision-Based Technique for Vehicle Detection, Tracking, and Speed Estimation*” during financial Year 2017-2018, **RUNNING** . **Role: PROJECT Co-DIRECTOR**
4. Received a research grand of Tk. 4,00,000/= (Taka FOUR Lac) from University of Rajshahi for conducting research entitled “*Automatic Attendance Management System (AAMS) Using Face Recognition*” during financial Year 2019-2020, **COMPLETED** in the year **2023**. **Role: PROJECT Co-DIRECTOR**
5. Received a research grand of Tk. 2,00,000/= (Taka Two Lac) from University of Rajshahi for conducting research entitled “*Detection and Understanding Suspicious Activities in Social Environment*” during financial Year 2017-2018, **COMPLETED** in the year **2023**. **Role: PROJECT DIRECTOR**
6. Received a research grand of Tk. 1,00,000/= (Taka One Lac) from University Grants Commission, Bangladesh for conducting research entitled “*Smart Walking Stick for Blind People*” during financial Year 2015-2016, **COMPLETED** in the year **2020**. **Role: PROJECT Co-DIRECTOR**

**PAST/CURRENT  
STUDENTS**

Year	Students Name	Level of Research	Role	Status	Title of Research	Recognition @
2025	Md Shoabe Akter Zareen Tasnim Refah	Final Year Project	Supervisor	Awarded	An Attention ConvNeXt and Compact Convolutional Transformation-Based Frameworks for Multivariate Anomaly Detection	ICCT 2025 ICPSDT2025
	Md. Abir Hasan Md. Touhidul Haider	Final Year Project	Supervisor	Awarded	Traditional and Deep Learning –Based Road Segmentation and Lane Detection for Advanced Driver Assistance Systems (ADAS)	
2024	Md. Atikur Rahman H. M. Sazzad Quadir	Final Year Project	Supervisor	Awarded	The Role of XAI in User-Centric Recommender Systems Using Collaborative and Content-Based Approaches	ICCIT2025
	Dr. Tofayel Ahmed	PhD	Co-Supervisor	Awarded	A Unified Bangla Cyberbullying Detection Technique Using Machine Learning Algorithms in Social Networks	Significant number of paper published
2023	Partha Pratim Debnath	PhD	Co-Supervisor	Pursuing	Vision Based Human Suspicious Behavior Prediction in Public and Private Spaces for Video Surveillance System	
	Md. Touhidul Islam	Final Year Project	Supervisor	Awarded	Bridging the Gap: Advancing the Transparency and Trustworthiness of Network Intrusion Detection with Explainable AI	ICCIT 2023, IJMLC
	Md. Atikur Rahman	Final Year Project	Supervisor	Awarded	Interactive Web Application for Programming Contest Management	
2022	Abdullah al Mahfuz Debasish Saha	Final Year Project	Supervisor	Awarded	Designed and Developed a Laboratory Examination Control System	
	Akash Kumar Mondol	Final Year Project	Supervisor	Awarded	Developed a web application on Sorting Algorithms Visualizer	
	F. Rahman Khan	Final Year Project	Supervisor	Awarded	Helper: A Cost-Free E-Business Solution System Based on Android with the Perspective of Bangladesh	
	Imran Hossen	MSc	Supervisor	Awarded	Suicide Prevention: A Text-based AI system for Predicting Depression, Anxiety, and Stress (DAS) level of Bengali Speaking Facebook Users	IC4IR2021
	Partha Pratim Debnath	MPhil	Supervisor	Awarded	TRACKING PEOPLE'S BEHAVIORS FOR DETECTING AND UNDERSTANDING THEIR SUSPICIOUS ACTIVITIES IN SOCIAL ENVIRONMENTS	number of paper published

	Omar Aden	M.Sc	Supervisor	Awarded	Examining of COBIT framework Effectiveness by compering most useful frameworks of IT governance	
2021	HOSSAIN MD SABIR Abu Sajed Noman	Final Year Project	Supervisor	Awarded	Studying and Analyzing the Cellular Network Signal Strength Variations for GSM Networks in the Rajshahi University Campus	ICEIRE2023
2020	Md. Muzammal Hoque	MSc	Supervisor	Awarded	EAGBRP: A Gateway Based Routing Protocol for Heterogeneous Wireless Sensor Networks	ICEIRE2021 JSR
	Biplob Sarkar	MSc	Supervisor	Awarded	Energy-Aware Threshold Sensitive Stable Election Protocol (EATSEP) for Wireless Sensor Networks.	ICEIRE2021 JSR
2019	Jyoti Saha	MSc	Supervisor	Awarded	Analysis and prediction of real museum visitors' behaviors under different visitors' density	

**RESEARCH  
PUBLICATIONS**

**BOOK CHAPTER**

- [6] Pronab Kumar Paul, Akash Ghosh, Md. Takrim-UI-Alam, Kaushik Deb, Md. Golam Rashed, Dipankar Das “Handling Imbalanced Datasets with Real-World Positive Samples in Dengue Prediction Using Machine and Deep Learning Models” In book: Communications in Computer and Information Science, Publisher: Springer, Singapore
- [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,*” ICTDsC 2024. 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\\_](https://doi.org/10.1007/978-981-99-5435-3_)
- [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](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](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

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

**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, Maqsudur Rahman, Abu Zafar Muhammad Touhidul Islam, Dipankar Das, **Md. Golam Rashed** "Multimodal Cyberbullying Meme Detection From Social Media Using Deep Learning Approach", International Journal of Computer Science and Information Technology 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 Zasim 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. Matiquel 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](https://doi.org/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](https://doi.org/10.1145/2559636.2559818)

**B. ORAL Presentation**

- [29] Md. Shoabe Akter, Zareen Tasnim Refah, Md. Delowar Hossain, Md. Golam Rashed, Dipankar Das "**An Attention-Enhanced ConvNeXt Framework for Multivariate Anomaly Detection**" Accepted for Oral Presentation in 28<sup>th</sup> International Conference on Computer and Information Technology (28th ICCIT 2025), Cox's Bazar, Bangladesh, Dec. 19-21 Dec. 2025,
- [28] Md. Shoabe Akter, Zareen Tasnim Refah, Md. Delowar Hossain, Md. Golam Rashed, Dipankar Das "**Toward Developing an Attention-Enhanced ConvNeXt and Compact Convolutional Transformer-Based Frameworks for Multivariate Anomaly Detection**" 6th INTERNATIONAL CONFERENCE ON PHYSICS FOR SUSTAINABLE DEVELOPMENT AND TECHNOLOGY, CUET, Bangladesh, P116-117
- [27] Dubari Sarma, Meghna Dasgupta, Vaskar Deka, **Md. Golam Rashed**, Dipankar Das "*Agricultural Question Answering Dataset Creation and Its Evaluation Through Bert Based Experimental Analysis*" 3<sup>RD</sup> International Conference On Intelligent Systems, Advanced Computing And Communication (ISACC 2025), Assam University, Silchar, India, 27-28 February 2025.
- [26] Meghna Dasgupta, Dubari Sarma, Vaskar Deka, **Md. Golam Rashed**, Dipankar Das "*Study And Experimental Analysis of Metaheuristic Based Optimizers With Respect To P2P BOTNET Detection*" 3rd International Conference On Intelligent Systems, Advanced Computing And Communication (ISACC 2025), Assam University, Silchar, India, 27-28 February 2025.
- [25] Moontasir Mahmood, Nishat Tasnim, Tanshen Mahamud Saimu, H. M. Sazzad Quadir, Md. Atikur Rahman, Md. Golam Rashed, Dipankar Das "*A Novel Approach to Liveness Detection: Real-time Eye Blink, Head Movement, and Lip Movement Analysis*" 4th IEEE International Conference on Electrical, Computer and Communication Engineering, CUET, 12-15 February 2025.
- [24] 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,*" Springer Sponsored International Conference on Data Science and Communication (ICTDsC)-2024, Organized by Siliguri Institute of Technology, Sukna, Siliguri, India, 21-22 Nov 2024. [Received **BEST PAPER AWARD**]
- [23] Md. Habib Ehsanu Hoque, Mrityika Mahbub, Mohd Razali Bin Md Tomari, Rezaul Bashar, Md. Golam Rashed, Dipankar Das, "*Real-time Detection of Diverse Bangladeshi Traffic Signs Using YOLOv8*", Proceedings of 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 Zafar Muhammad Touhidul Islam "*RAJUNI: Design and Implementation of an Autonomous Cooking Robot,*" Proceedings of 2024 IEEE 27th International Conference on Computer and Information Technology (ICCIT), Cox's Bazar, Bangladesh, 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*" Proceedings of 2024 IEEE 27<sup>th</sup> International Conference on Computer and Information Technology (ICCIT), Cox's Bazar, Bangladesh, 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,*" Proceedings of 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.

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

- [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 " 1<sup>st</sup> 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

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

- [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.
- [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**, 15-18<sup>th</sup> March 2016.
- [7] **Md. Golam Rashed**, “*Toward Designing a Guide Robot System for Public Spaces Based on People’s Behavior Analysis*”, 8<sup>th</sup> 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 1<sup>st</sup> 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 11<sup>th</sup> 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. Matiquel 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 **Session Chair** of two technical sessions of the IEEE International Conference on Signal Processing, Information, Communication and Systems 2025, jointly organized by IEEE Bangladesh Section (IEEE BDS) and IEEE Signal Processing Society (SPS), hosted by Dept. of ICE, University of Rajshahi, Bangladesh, 21-22 November 2025.
- Attended as **Session chair** in a technical session entitled "Communication and Computing" in the Undergraduate Conference on Intelligent Computing and Systems (UCICS2025), Organized by Dept. of CSE, Varendra University, Rajshahi, Bangladesh, 26-27 Feb 2025.
- Attended as a **Session Chair** and as a **paper presenter** in the IEEE sponsored 2025 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 2025.
- Attended as a **Session Chair/Co-Chair** IEEE 8<sup>th</sup> International Conference on Recent Progresses in Science, Engineering and Technology (ICRPSET 2024), Organized by Faculty of Science, University of Rajshahi, Bangladesh, Dec 07-08 2024.

- Attended as a **Session Chair** in 27<sup>th</sup> International Conference on Computer and Information Technology (ICCIT), Cox's Bazar, Bangladesh. Technically sponsored by IEEE, Bangladesh Section, Coxsbazar, Bangladesh, 20-23 Dec 2024.
- Attended as an **Honorable Speaker** on a seminar "**Proactive Human-Robot Interaction**" Organized by the IEEE NSW IAS/ES/PELS Joint Chapter and IEEE IAS UoW Student Chapter, Hosted by the school of Electrical and, Computer and Telecommunication Engineering, University of Wollongong, Australia. 19 November 2024
- Attended as **Session Chair** in the 2024 IEEE International Conference on Future Machine Learning and Data Science (FMLDS), University of Western Sydney, Sydney, Australia, 20-23 November 2024.
- 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 6<sup>th</sup> International Conference on Electrical Engineering and Information & Communication Technology (ICEEICT), MIST, Dhaka, Bangladesh, May 2024.
- Attended as a **Session Chair** in 26<sup>th</sup> 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.
- Attended as a **SESSION CHAIR** and **author** in the 26<sup>th</sup> 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;5<sup>th</sup> -7<sup>th</sup> , 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.

ACADEMIC  
PARTICIPATIONS  
and  
PRESENTATION  
(CONTINUE...)

- Participated in the 2019 Second International Conference on Advances in Electrical, Electronic, and System Engineering (ICAEESE 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**.
- 1<sup>st</sup> International Conference on Computer and Information Engineering (ICCIE2015), Rajshahi, **Bangladesh**, 26-27 Nov. **2015**.
- 11<sup>th</sup> International Conference on Intelligent Computing (ICIC2015), Fuzhou, **China**, 20-23 August, **2015**.
- 10<sup>th</sup> 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**, 25<sup>th</sup>-26<sup>th</sup> 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**, 27<sup>th</sup>-29<sup>th</sup> 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**, 5<sup>th</sup> -7<sup>th</sup> March, **2009**.

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

- Workshop on MPLS and Next Generation Network- organized by Daffodil International University, Dhaka, **Bangladesh**, 14<sup>th</sup> February, **2009**.
- National Conference on Communication and Information Security (NCCIS-2009), organized by Daffodil Int. University, Dhaka, **Bangladesh**, 14<sup>th</sup> 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**, 15<sup>th</sup> March-21<sup>st</sup> May, **2003**.

**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 1<sup>st</sup>/2<sup>nd</sup> 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 (TPC) of the IEEE International Conference on Signal Processing, Information, Communication and Systems (SPCISCON 2025) , jointly organized by IEEE Bangladesh Section (IEEE BDS) and IEEE Signal Processing Society (SPS), hosted by Dept. of Information and Communication Engineering, University of Rajshahi, Bangladesh, 21-22 November 2025.
- **Secretary**, Technical Program Committee (TPC) of the Undergraduate Conference on Intelligent Computing and Systems (UCICS 2025), Organized by Dept. of CSE, Varendra University, Rajshahi, Bangladesh, 27-28 February 2025.
- TPC member of IEEE ICCIT 2025 (Cox’s Bazar, BD), IEEE ICECTE 2025 (RUET, BD), EICT 2025 (KUET, BD), ITI2025(Agartala, India), RSCSM2025 (Bhopal, India), FMLDS2025 (LA, USA), COMPAS2025 (IU, BD), CCE2025 (CUET, BD), IJCACI2025 (Virginia, USA), AITA2025 (Bengalore, India), AIC2025 (Delhi, India), ICDSAIA2025 (DHK,BD), UCICS2025 (VU, BD), IEEE FMLDS 2025 (Los Angels, USA), IJCACI 2025 ( Alexandria, USA), AITA 2025 (Bangalore, India), AIC 2025 (Delhi-NCR, India), ICDSAIA 2025 (Dhaka, BD).

**PROFESSIONAL  
ACTIVITIES  
(CONTINUE...)**

- **Secretary**, Technical Program Committee (TPC) of the IEEE 8<sup>th</sup> International Conference on Recent Progresses in Science, Engineering and Technology (ICRPSET 2024), Organized by Faculty of Science, University of Rajshahi, Bangladesh, 07-08 Dec. 2024.

- TPC member of ICCIT2024 (Cox's Bazar, BD), IEEE STI-2024 (GU, BD) 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 ICSCS-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~).
- **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 1<sup>st</sup> International conference on Electronics, Computer and Communication (ICECC-2008), Rajshahi University, **Bangladesh** (June, 2008)
- Volunteer student worker for the 1<sup>st</sup> 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
- **Life member** of Japanese Universities Alumni Association in Bangladesh (JUAAB) Since Early 2025
- **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

