CURRICULUM VITAE

Dr. Engr. Mohammad Aman Ullah

Associate professor
Department of Computer Science and Engineering [CSE]
International Islamic University Chittagong [IIUC]
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OBJECTIVES

➢ To dedicate in any exciting, challenging & creative Research work in the field of Computer Science & Information Technology.

CORE QUALIFICATION

➢ A dignified academician with an established in-depth knowledge in the field of Computer Science and Engineering.

➢ Highly committed to teaching and research

➢ Strong observational and problem solving abilities

➢ An innovative and ambitious graduate skilled in Database Management Systems, Machine Learning and Data Mining, Natural Language Processing, Pattern Recognition, Decision Support System, Researching, Designing, Developing, Knowledge of information engineering.

RESEARCH AND PUBLICATIONS

PhD Thesis

1. Mohammad Aman Ullah, "Multilingual Sentiment Analysis from Students Feedback in Social Media: A Search For Optimal Techniques and Resources", Faculty of Science and Technology, Universiti Sains Islam Malaysia (USIM), 2021.

M.Sc. Thesis

2. Mohammad Aman Ullah, "Knowledge Representation for Intelligent Information Retrieval in University Domain: Process and Reasoning", Department of Computer Science and Engineering, Daffodil International University, Dhaka, Bangladesh, November, 2014.

PUBLISHED RESEARCH ARTICLES

JOURNALS

1. Shahjalal,M., Islam ,A., Amanullah, M. (2012). Filtration and synthesis of different types of Human Voice signals: An application of Digital Signal Processing, *IISTE Journal, 2(4),* USA.

2. Ullah, M. A. (2013). Microcontroller based reprogrammable digital door lock security system by using keypad & GSM/CDMA technology. *IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE)*, *4*(6), 38-42.

3. Chowdhury, M. S. A., Akter, M. S., & Ullah, M. A. (2013)., Designing a 36 segment display for bengali compound character. *International Journal of Computer Science and Network Security (IJCSNS)*, *13*(3), 48-53. [ESCI Indexed]

4. Ullah, M. A. (2016)., A Model on Programmable Touch Screen Based DC Motor Speed Control - Design and Implementation, *IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE). 11(2),*40-45.

5. Ullah, M. A., Azman, N., Islam, M. M., & Zaki, Z. M. (2017). Multimodal Sentiment Analysis: A Study Towards Future Directions. *Advanced Science Letters*, *23*(5), 4973-4976. [SCOPUS Indexed]

6. Ullah, M. A., Alam, M. M., Rahman, M. M., Alahi, A. S., Masum, A. K. M., Akter, N. (2019, October). Impact of ICT on students' academic performance: Applying Association Rule Mining and Structured Equation Modeling. *International Journal of Advanced Computer Science and Applications (IJACSA), 10*(8), 387-393. [ESCI & SCOPUS Indexed]

7. Ullah, M. A., Marium, S. M., Begum, S. A., & Dipa, N. S. (2020). An algorithm and method for sentiment analysis using the text and emoticon. *ICT Express*, *6*(4), 357-360. [SCIE & SCOPUS Indexed, IF: 4.754]

8. Ullah, M. A., Tahrin, A., & Marjan, S. (2020). An Algorithm for Multi-Domain Website Classification. International Journal of Web-Based Learning and Teaching Technologies (IJWLTT), 15(4), 57-65. doi:10.4018/IJWLTT.2020100104. [SCOPUS Indexed]

9. Goel, S., Gupta, S., Panwar, A., Kumar, S., Verma, M., Bourouis, S., & Ullah, M. A. (2021). Deep Learning Approach for Stages of Severity Classification in Diabetic Retinopathy Using Color Fundus Retinal Images. *Mathematical Problems in Engineering*, *2021*. [SCIE & SCOPUS Indexed, IF: 1.430]

10. Althar, R. R., Samanta, D., Kaur, M., Alnuaim, A. A., Aljaffan, N., & Aman Ullah, M. (2021). Software Systems Security Vulnerabilities Management by Exploring the Capabilities of Language Models Using NLP. *Computational Intelligence and Neuroscience*, *2021*. [SCIE & SCOPUS Indexed, IF: 3.120]

11. Mishra, S., Ahmed, T., Mishra, V., Bourouis, S., & Ullah, M. A. (2022). An Online Kernel Adaptive Filtering-Based Approach for Mid-Price Prediction. *Scientific Programming*, *2022* [SCIE & SCOPUS Indexed, IF: 1.672]

12. Singh, A., Dargar, S. K., Gupta, A., Kumar, A., Srivastava, A. K., Srivastava, M., ... & Ullah, M. A. (2022). Evolving Long Short-Term Memory Network-Based Text Classification. *Computational Intelligence and Neuroscience*, *2022*. [SCIE & SCOPUS Indexed, IF: 3.120]

13. Malche, T., Tharewal, S., Tiwari, P. K., Jabarulla, M. Y., Alnuaim, A. A., Hatamleh, W. A., & Ullah, M. A. (2022). Artificial Intelligence of Things-(AIoT-) Based Patient Activity Tracking System for Remote Patient Monitoring. *Journal of Healthcare Engineering*, *2022*. [SCIE & SCOPUS Indexed, IF: 3.822]

14. Singh, A., Krishna Raguru, J., Prasad, G., Chauhan, S., Tiwari, P. K., Zaguia, A., & Ullah, M. A. (2022). Medical Image Captioning Using Optimized Deep Learning Model. *Computational Intelligence and Neuroscience*, *2022*. [SCIE & SCOPUS Indexed, IF: 3.120]

15. Gupta, S., Goel, L., Singh, A., Prasad, A., & Ullah, M. A. (2022). Psychological Analysis for Depression Detection from Social Networking Sites. *Computational Intelligence and Neuroscience*, *2022*. [SCIE & SCOPUS Indexed, IF: 3.120]

16. Tharewal, S., Malche, T., Tiwari, P. K., Jabarulla, M. Y., Alnuaim, A. A., Mostafa, A. M., & Ullah, M. A. (2022). Score-Level Fusion of 3D Face and 3D Ear for Multimodal Biometric Human Recognition. *Computational Intelligence and Neuroscience*, *2022*. [SCIE & SCOPUS Indexed, IF: 3.120]

17. Rani, S., Ghai, D., Kumar, S., Kantipudi, M. V. V., Alharbi, A. H., & Ullah, M. A. (2022). Efficient 3D AlexNet Architecture for Object Recognition Using Syntactic Patterns from Medical Images. *Computational Intelligence and Neuroscience*, *2022*. [SCIE & SCOPUS Indexed, IF: 3.120]

CONFERENCES

1. Mollah, M. B., Islam, S. S., & Ullah, M. A. (2012, May). Proposed e-police system for enhancement of e-government services of Bangladesh. In *Informatics, Electronics & Vision (ICIEV), 2012 International Conference on* (pp. 881-886). IEEE.

2. Islam, S. S., Mollah, M. B., Huq, M. I., & Ullah, M. A. (2012, May). Cloud computing for future generation of computing technology. In *Cyber Technology in Automation, Control, and Intelligent Systems (CYBER), 2012 IEEE International Conference on* (pp. 129-134). IEEE.

3. Mollah, M. B., Ullah, M. A., Mozumder, M. Y., & Islam, S. S. (2012, May). Concept design for SCADA system using Cognitive Radio based IEEE 802.22 for power system. In *Cyber Technology in Automation, Control, and Intelligent Systems (CYBER), 2012 IEEE International Conference on*(pp. 109-114). IEEE.

4. Ullah, M. A. (2016, December). Sentiment analysis of students feedback: A study towards optimal tools. In *Computational Intelligence (IWCI), International Workshop on* (pp. 175-180). IEEE.

5. Ullah, M. A., Islam, M. M., Azman, N. B., & Zaki, Z. M. (2017, February). An overview of Multimodal Sentiment Analysis research: Opportunities and Difficulties. In *Imaging, Vision & Pattern Recognition (icIVPR), 2017 IEEE International Conference on* (pp. 1-6). IEEE.

6. Ullah, M. A., & Hossain, S. A. (2018). Ontology-Based Information Retrieval System for University: Methods and Reasoning. In *Emerging Technologies in Data Mining and Information Security* (pp. 119-128). Springer, Singapore.

7. Ullah, M. A. (2018). A Model for Predicting Outfit Sales: Using Data Mining Methods. In *Emerging Technologies in Data Mining and Information Security* (pp. 711-720). Springer, Singapore.

8. Rahman, M. M., Ullah, M. A., Sultana, Z., & Islam, M. R. (2018). An Approach to the Parameter Based Doctor Ranking. In *Emerging Technologies in Data Mining and Information Security* (pp. 759-770). Springer, Singapore.

9. Ullah, M. A., Alam, M. M., Mahiuddin, M., & Rahman, M. M. (2018). Predicting Factors of Students Dissatisfaction for Retention. In *Emerging Technologies in Data Mining and Information Security* (pp. 501-510). Springer, Singapore.

10. Ullah, M. A, Alam, M.M., Sultana, S., & Toma, R.S. (2018, October). Predicting Default Payment of Credit card users using mining techniques. In *2018 International Conferences on Innovations in Science, Engineering and Technology (ICISET)* (pp. 355-360). IEEE.

11. Ullah, M. A., Hasnayeen, M. A., Shan-A-Alahi, A., Rahman, F., & Akhter, S. (2020, December). A Search for Optimal Feature in Political Sentiment Analysis. In *2020 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE)* (pp. 340-343). IEEE.

12. Ullah, M. A., Azman, N., Zaki, Z. M., & Islam, M. M. (2020, December). Dataset Creation from Multilingual Data of Social Media: Challenges and Consequences. In *2020 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE)* (pp. 288-291). IEEE.

13. Ullah, M. A., Shahid, S., & Sultana, Z. (2021). Machine Learning Based Diagnosis System for Easy and Fast Heart Disease Prediction. In *Interdisciplinary Research in Technology and Management* (pp. 426-431). CRC Press. [Best Paper Rewarded]

14. Ullah, M. A., Munmun, K., Tamanna, F. Z., & Chowdhury, M. S. A. (2022, February). Sentiment Analysis using Ensemble Technique on Textual and Emoticon Data. In *2022 International Conference on Innovations in Science, Engineering and Technology (ICISET)* (pp. 255-259). IEEE.

ACCEPTED RESEARCH ARTICLES

15. Predicting Interest of Beginner-Level Engineering Students for Better Career Using Classification Method. In International Conference on 4th Industrial Revolution and Beyond. Springer

RESEARCH INTEREST

1. Social Network Analysis
2. Database and Data Mining
3. Machine Learning
4. Information System
5. Distributed System
6. Natural Language Processing
7. Semantic Web

PROFESSIONAL EXPERIENCE

No	Positions	Employer's Name	Department	From (yyyy)	To (yyyy)
1	Lecturer	International Islamic University Chittagong	CSE	2008	2010
2	Lecturer	International Islamic University Chittagong	EEE	2010	2013
3	Assistant Professor	International Islamic University Chittagong	CSE	2013	2019
4	Associate Professor	International Islamic University Chittagong	CSE	2019	----

TEACHING COURSES

1. Natural Language Processing
2. Decision Support System and Expert System
3. Database Management System
4. Distributed Database
5. Data Mining
6. E-Commerce and E-Governance
7. Computer Programming
8. Software Development Methodology
9. Numerical Methods
10. Data Structure
11. Microprocessor and Interfacing
12. Computer Architecture
13. Assembly Language
14. Multimedia System and Video Editing

ACADEMIC QUALIFICATION

No	Name of Awarding University/ Institution	From (YYYY)	To (YYYY)	Name of Degree/Diploma	Major/Area of Study	Year Graduated
1	Universiti Sains Islam Malaysia (USIM)	2015	2021	PhD in Science and Technology	Computer Science	2021
2	Daffodil International University (DIU)	2012	2014	Master of Science in Computer Science and Engineering	Computer Science and Engineering	2014
3	Premier University (PU)	2008	2012	Master of Business Administration	Business Administration	2012
4	International Islamic University Chittagong (IIUC)	2003	2007	Bachelor of Science in Computer Science and Engineering	Computer Science and Engineering	2008

ADDITIONAL QUALIFICATION

➤ Completed certified course of CISCO certified network Associate (CCNA)

LANGUAGE PROFICIENCY

- ➢ Good command over speaking, reading and writing both in English and Bengali.
- ➢ Good command in Hindi and Urdu

AWARD & SCHOLARSHIP
- ➢ Vice-Chancellor Gold medal for M.Sc. in CSE
- ➢ Awarded for best Semester Result at Under & Postgraduate level.
- ➢ 'Progati Shanghai' award for S.S.C Result
- ➢ 3MT PhD Thesis Competition Award
- ➢ Partial Grant for PhD program

MEMBERSHIP AND ADDITIONAL ACTIVITIES
- ➢ Member, Institute of Electrical and Electronics Engineers (IEEE)
- ➢ Member, The Institution of Engineers, Bangladesh (IEB)
- ➢ Editorial Board Member, Progress in Human Computer Interation (PHCI), Whioce Publishing Pte. Ltd. Singapore.
- ➢ Reviewer, Journal of King Saud University - Computer and Information Sciences, Elsevier
- ➢ Reviewer, Expert Systems With Applications, Elsevier
- ➢ Reviewer, KSII Transactions on Internet and Information System, Korea
- ➢ Reviewer, Journal of Engineering Science and Technology (JESTEC), Malaysia
- ➢ Reviewer, International Journal of Web-Based Learning and Teaching Technologies (IJWLTT), USA
- ➢ Reviewer, Journal of Information Technology Research (JITR), USA
- ➢ Reviewer, International Journal of Enterprise Information System (IJEIS), USA
- ➢ Reviewer, International Journal of Intelligent Information Technologies (IJIIT), USA
- ➢ Reviewer, Imaging Science Journal, Taylor & Francis
- ➢ Reviewer, International Journal of Fuzzy Systems, Springer International Publishing AG, Switzerland.
- ➢ Reviewer, Journal of Big Data, Springer Nature.
- ➢ Reviewer, BioData Mining, Springer Nature.
- ➢ Reviewer, Scientific Reports, Springer Nature.
- ➢ Reviewer, Automatika, Taylor and Francis Ltd., United Kingdom.
- ➢ Reviewer, Connection Science, Taylor and Francis Ltd., United Kingdom.
- ➢ Reviewer, IEEE Internet of Things Journal, IEEE, USA
- ➢ Reviewer, Asian Journal of Research in Computer Science, India
- ➢ Session Chair, 1st World International Conference On Islamic Sciences 2016 (Wicois'16), Malaysia.
- ➢ Reviewer, International Conference on Electrical, Computer and Communication Engineering (ECCE 2019), Bangladesh.
- ➢ Program Committee member and Reviewer, International Conference on Bangabandhu and Digital Bangladesh (ICBBDB 2021), Bangladesh.
- ➢ Reviewer, 2021 9th IEEE conference on Systems, Process, and Control (ICSPC 2021), Malaysia.
- ➢ Session Chair, Technical Program Committee member and Reviewer, International Conference on Innovations in Science, Engineering and Technology 2022 (ICISET 2022), Bangladesh.
- ➢ International Advisory Committee Member, 2nd International Conference on the Emerging Technologies in Computing (ICETC - 2022), Brainware University, Kolkata, West Bengal
- ➢ Reviewer, International Conference on Machine Intelligence and Emerging Technologies

2022 (MIET 2022), Bangladesh.
- ➢ Reviewer, The 8th International Conference on Fuzzy Systems and Data Mining (FSDM 2022), Xiamen, China.
- ➢ Technical Program Committee member, EAI International Conference on Safe, Secure, Ethical, Responsible Technologies and Emerging Applications (EAI SAFER-TEA 2023), Cameroon.

REFERENCES

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

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 "I hereby declare that the particulars provided here are true and no misinformation is given."

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(Dr. Mohammad Aman Ullah)