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Biography

KUET

Md. Milon Islam
Assistant Professor
Research Area Intelligent Systems Design
Machine Learning and its Application Deep
Learning Health Informatics Internet of
Things (IoT)

Education

M.Sc. Engineering
  Khulna University of Engineering & Technology,Bangladesh(2017-2019)
  Satisfactory
Bachelor of Computer Science and Engineering
  Khulna University of Engineering and Technology,Bangladesh(2012-2016)Achievement:**University Gold Medal**
Higher Secondary Certificate
  Rajshahi New Govt. Degree College,Bangladesh(2009-2011)
Secondary School Certificate
  Daulatpur Pilot High School, Kushtia,Bangladesh(2005-2009)Achievement:**Golden A+**

Service Records

- **Part-time Lecturer**
  Department/Section: Computer Science and Engineering
  Bangabandhu Sheikh Mujibur Rahman Science & Technology University *From 01-01-1970 to 01-01-1970*
  Responsibility:Teaching and Research
- **Assistant Professor**
  Department/Section: Computer Science and Engineering
  Khulna University of Engineering & Technology *From 01-01-1970 to 01-01-1970*
  Responsibility:Teaching and Research
- **Lecturer**
  Department/Section: Computer Science and Engineering
  Khulna University of Engineering & Technology *From 01-01-1970 to 01-01-1970*
  Responsibility:Teaching and Research

Research Interest

Intelligent Systems Design

Machine Learning and its Application

Deep Learning

Health Informatics

Internet of Things (IoT)

Publication

Books

1. Haque,S. , Sadi,M. S. , Rafi,M. E. H. and Hasan,<. M. I. a. M. K. (04 Jul., 2019.) , *Proceedings of International Joint Conference on Computational Intelligence, Edited by: Mohammad Shorif Uddin and Jagdish Chand Bansal, Algorithms for Intelligent Systems* , ISBN:978-981-13-7564-4,Springer

2. Islam,<. M. I. , Kabir,M. N. , Sadi,M. S. , Morsalin,M. I. and Wang,A. H. a. J. (24 Mar., 2020.) , *Proceedings of the 5th International Conference on Electrical, Control and Computer Engineering (InECCE), Edited by: Kasruddin Nasir A. et al., Lecture Notes in Electrical Engineering (Scopus)* , ISBN: 978-981-15-2317-5,Springer, vol632

Journals

20. Islam,<. M. I. , Tayan,O. , Islam,M. R. , Islam,M. S. , Nooruddin,S. and Islam,M. N. K. a. M. R. (2020.) , " Deep Learning Based Systems Developed for Fall Detection: A Review," *IEEE Access*, IEEE

19. Islam,<. M. I. , Haque,M. R. , Iqbal,H. , Hasan,M. M. and Kabir,M. H. a. M. N. (2020.) , " Breast Cancer Prediction: A Comparative Study Using Machine Learning Techniques," *SN Computer Science*, Springer, vol1, no.5, pp.290

18. Islam,M. Z. and Asraf,<. M. I. a. A. (2020.) , " A Combined Deep CNN-LSTM Network for the Detection of Novel Coronavirus (COVID-19) Using X-ray Images," *Informatics in Medicine Unlocked*, Elsevier, vol20, pp.100412

17. Islam,<. M. I. ,Ullah,S. M. A. and Raju,S. M. a. S. M. T. U. (2020.) , " Breathing Aid Devices to Support Novel Coronavirus (COVID-19) Infected Patients," *SN Computer Science*, Springer, vol1, no.5, pp.274

16. Islam,<. M. I. and Bräunl,M. S. S. a. T. B. (2020.) , " Automated Walking Guide to Enhance the Mobility of Visually Impaired People," *IEEE Transactions on Medical Robotics and Bionics*, IEEE, vol2, no.3, pp.485-496

15. Rahman,M. M. ,Islam,<. M. I. and Khan,S. A. a. S. A. (2020.) , " Obstacle and Fall Detection to Guide the Visually Impaired People with Real Time Monitoring," *SN Computer Science*, Springer, vol1, no.4, pp.219

14. Islam,<. M. I. and Islam,M. R. I. a. M. S. (2020.) , " An Efficient Human Computer Interaction through Hand Gesture Using Deep Convolutional Neural Network," *SN Computer Science*, Springer, vol1, no.4, pp.211

13. Jibril,M. L. ,Islam,<. M. I. and Ayon,U. S. S. a. S. I. (2020.) , " Predictive Data Mining Models for Novel Coronavirus (COVID-19) Infected Patients Recovery," *SN Computer Science*, Springer, vol1, no.4, pp.206

12. Islam,<. M. I. and Islam,A. R. a. M. R. (2020.) , " Development of Smart Healthcare Monitoring System in IoT Environment," *SN Computer Science*, Springer, vol1, no.3, pp.185

11. Ayon,S. I. and Hossain,<. M. I. a. M. R. (2020.) , " Coronary Artery Heart Disease Prediction: A Comparative Study of Computational Intelligence Techniques," *IETE Journal of Research*, Taylor & Francis

10. Islam,<. M. I. , Neom,N. H. , Imtiaz,M. S. , Nooruddin,S. and Islam,M. R. I. a. M. R. (2019.) , " A Review on Fall Detection Systems Using Data from Smartphone Sensors," *Ingénierie des Systèmes d'Information (Information Systems Engineering)*, Lavoisier, vol24, no.6, pp.569-576

9. Rahaman,A. , Islam,<. M. I. , Islam,M. R. and Nooruddin,M. S. S. a. S. (2019.) , " Developing IoT Based Smart Health Monitoring System: A Review," *Artificial Intelligence Review*, Lavoisier, vol33, no.6, pp.435-440

8. Nooruddin,S. and Sharna,<. M. I. a. F. A. (2019.) , " An IoT based Device-type Invariant Fall Detection System," *Internet of Things*, Elsevier, vol9, pp.100130

7. Habib,M. A. , Islam,<. M. I. , Kabir,M. N. and Hasan,M. B. M. a. M. (2019.) , " Staircase Detection System for Visually Impaired People: A Hybrid Approach," *Artificial Intelligence Review*, Lavoisier, vol33, no.5, pp.327-334

6. Hasan,M. ,Islam,<. M. and Hashem,<. M. I. I. Z. a. M. (2019.) , " Attack and anomaly detection in IoT sensors in IoT sites using machine learning approaches," *Internet of Things*, Elsevier, vol7, pp.100059

5. Islam,<. M. I. ,Sadi,M. S. and Ahmed,K. Z. Z. a. M. M. (2019.) , " Developing Walking Assistants for Visually Impaired People: A Review," *IEEE Sensors Journal*, IEEE, vol19, no.8, pp.2814-2828

4. Rahman,M. M. and Ahmmed,<. M. I. a. S. (2019.) , " "BlindShoe": An Electronic Guidance System for the Visually Impaired People," *Journal of Telecommunication, Electronic and Computer Engineering (JTEC)*, Universiti Teknikal Malaysia Melaka, vol11, no.2, pp.49-54

3. Haque,M. R. , Islam,<. M. I. , Alam,K. S. and Shaik,H. I. a. M. E. (2019.) , " A Computer Vision based Lane Detection Approach," *International Journal of Image, Graphics and Signal Processing(IJIGSP)*, MECS Press, vol11, no.3, pp.27-34

2. (2019.) , " Diabetes Prediction: A Deep Learning Approach," *International Journal of Information Engineering and Electronic Business(IJIEEB)*, MECS Press, vol11, no.2, pp.21-27

1. Alam,M. N. ,Islam,<. M. I. and Mredul,M. A. H. a. M. B. (2018.) , " Staircase Detection Systems for the Visually Impaired People: A Review," *International Journal of Computer Science and Information Security (IJCSIS)*, vol16, no.12, pp.13-18

Conference

14. Rahman,M. M. , Manik,M. M. H. , Islam,<. M. I. and Kim,S. M. a. J. (9-12 Sep., 2020.) , "An Automated System to Limit COVID-19 Using Facial Mask Detection in Smart City Network," *International IOT, Electronics and Mechatronics Conference (IEMTRONICS)* , IEEE

13. Mahmud,S. , Sourave,R. H. , Islam,<. M. I. and Kim,X. L. a. J. (9-12 Sep., 2020.) , "A Vision based Voice Controlled Indoor Assistant Robot for Visually Impaired People," *International IOT, Electronics and Mechatronics Conference (IEMTRONICS)* , IEEE

12. Rahman,M. A. ,Sadi,M. S. and Saha,<. M. M. I. a. P. (28-30 Nov., 2019.) , "Design and Development of Navigation Guide for Visually Impaired People," *IEEE Conference on Biomedical Engineering, Computer and Information Technology for Health (BECITHCON)* , IEEE, pp.89-92

10. Das,S. ,Sadi,M. S. and Islam,M. A. H. a. <. M. I. (3-5 May, 2019.) , "A Machine Learning Approach to Protect Electronic Devices from Damage Using the Concept of Outlier," *1st International Conference on Advances in Science, Engineering and Robotics Technology (ICASERT)* , IEEE, pp.1-6

9. Khanom,M. and Islam,M. S. S. a. <. M. I. (3-5 May, 2019.) , "A Comparative Study of Walking Assistance Tools Developed for the Visually Impaired People," *1st International Conference on Advances in Science, Engineering and Robotics Technology (ICASERT)* , IEEE, pp.1-5

7. (13-15 Sep., 2018.) , "Path Hole Detection to Assist the Visually Impaired People in Navigation," *4th International Conference on Electrical Engineering and Information & Communication Technology (iCEEiCT)* , IEEE, pp.268-273

6. Islam,M. M. ,Sadi,M. S. and Hasan,<. M. M. I. a. M. K. (13-15 Sep., 2018.) , "A New Method for Road Surface Detection," *4th International Conference on Electrical Engineering and Information & Communication Technology (iCEEiCT)* , IEEE, pp.624-629

5. Haque,M. R. , Islam,<. M. I. , Iqbal,H. and Hasan,M. S. R. a. M. K. (8-9 Feb., 2018.) , "Performance Evaluation of Random Forests and Artificial Neural Networks for the Classification of Liver Disorder," *2018 International Conference on Computer, Communication, Chemical, Materials and Electronic Engineering* , IEEE, pp.1-5

4. Kamal,M. M. , Bayazid,A. I. , Sadi,M. S. and Hasan,<. M. I. a. N. (21-23 Dec. , 2017.) , "Towards developing walking assistants for the visually impaired people," *2017 IEEE Region 10 Humanitarian Technology Conference (R10-HTC)* , IEEE, pp.238- 241

3. Islam,<. M. I. ,Hasan,M. K. and Uddin,M. M. B. a. M. M. (21-23 Dec. , 2017.) , "Development of smartphone-based student attendance system," *2017 IEEE Region 10 Humanitarian Technology Conference (R10-HTC)* , IEEE, pp.230-233

2. Islam,<. M. I. ,Iqbal,H. and Hasan,M. R. H. a. M. K. (21-23 Dec. , 2017.) , "Prediction of breast cancer using support vector machine and K-Nearest neighbors," *2017 IEEE Region 10 Humanitarian Technology Conference (R10-HTC)* , IEEE, pp.226-229

1. Hasan,M. K. and Hashem,<. M. I. a. M. M. A. (13-14 May, 2016.) , "Mathematical Model Development to Detect Breast Cancer Using Multigene Genetic Programming," *2016 5th International Conference on Informatics, Electronics and Vision (ICIEV)* , IEEE, pp.574-57