



Chayan Mondal

Assistant Professor
Department of EEE

- 27 December, 1992
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Social Network

- ORCID ID
- ResearchGate Link
- Google Scholar Profile
- Personal Website

Languages

- Bengali ● ● ● ● ●
- English ● ● ● ● ●

Membership

- IEEE Graduate Student Member
- IEEE Member

Working Experience

- Currently **Assistant Professor**
Department of Electrical and Electronic Engineering,
Bangabandhu Sheikh Mujibur Rahman Science & Technology University. Gopalganj-8100, Bangladesh.
- 2017 – 2021 **Lecturer**
Department of Electrical and Electronic Engineering,
Bangabandhu Sheikh Mujibur Rahman Science & Technology University. Gopalganj-8100, Bangladesh.
- 2015 – 2017 **Lecturer**
Department of Electrical and Electronic Engineering,
Green University of Bangladesh, Dhaka, Bangladesh.

Education

Study

- 2018 – Present **M.Sc. Engineering**
Department of Electrical and Electronic Engineering,
Khulna University of Engineering & Technology, Khulna-9203,
Bangladesh.
Masters Thesis Proposal
Diagnosis of Acute Lymphoblastic Leukemia from Microscopic Images
Using Weighted Ensemble of Convolutional Neural Networks.
Result: CGPA 4.00 out of 4.00 Coursework Completed
- 2011 – 2015 **B.Sc. Engineering**
Department of Electrical and Electronic Engineering,
Khulna University of Engineering & Technology, Khulna-9203,
Bangladesh.
Bachelor Thesis Title
Design and implementation of EOG based HCI device providing real
time communication system for physically disabled persons.
Result: CGPA 3.84 out of 4.00 Merit Position: 4

Courses

- 11.27.2020 **AI for Medical Diagnosis** Deeplearning.AI
Online non-credit course offered through **Coursera**
- 08.11.2020 **Sequence Models** Deeplearning.AI
Online non-credit course offered through **Coursera**
- 07.27.2020 **Structuring Machine Learning Projects** Deeplearning.AI
Online non-credit course offered through **Coursera**
- 07.20.2020 **Improving Deep Neural Networks:
Hyperparameter tuning, Regularization and
Optimization** Deeplearning.AI
Online non-credit course offered through **Coursera**
- 07.12.2020 **Neural Networks and Deep Learning** Deeplearning.AI
Online non-credit course offered through **Coursera**
- 06.28.2020 **Convolutional Neural Networks** Deeplearning.AI
Online non-credit course offered through **Coursera**

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About Me

I am interested in serving as a teacher as well as a researcher. I learn every day and always try my best to cope with the updated technologies. I aim to apply my knowledge and experiences for the welfare of human beings.

Self-Appraisal

- Honest and Hard Working.
- Nice Presentation skill.
- Good as a team member.
- Responsible and confident.
- Quick Learner.
- Energetic, Amiable and Friendly.

Hardware Skills

- Electrical measurement and instrumentation.
- Electronic circuit design and implementation.
- Bio-signal acquisition system, Biopac MP36, Arduino, Raspberry Pi.

Software Skills

- Programming language: C, C++, Python.
- Simulation: PSPICE, MATLAB, Arduino, Proteus ISIS Professional.
- Application Software: MS Office, LaTeX.
- Operating System: Windows 7,8,10.

Extra-Curricular Activities

- Organizer of Educational competitions, Cultural programs, Study tour.
- Counselor of IEEE Student Branch BSMRSTU, Gopalganj, Bangladesh.
- Moderator, EEE Club, GUB.

Publications

- 2021 **Dermo-DOCTOR: A framework for concurrent skin lesion detection and recognition using a deep convolutional neural network with end-to-end dual encoders.**
Md Kamrul Hasan, Shidhartho Roy, Chayan Mondal, Md Ashrafal Alam, Md Toufick E. Elahi, Aishwariya Dutta, SM Taslim Uddin Raju, Md Tasnim Jawad, and Mohiuddin Ahmad.
Biomedical Signal Processing and Control, Vol.68, pp.102661.
- 2021 **Acute Lymphoblastic Leukemia Detection from Microscopic Images Using Weighted Ensemble of Convolutional Neural Networks**
Chayan Mondal, Md. Kamrul Hasan, Mohiuddin Ahmad, Md. Abdul Awal, Md. Tasnim Jawad, Aishwariya Dutta, Md. Rabiul Islam, Salem A. Alyami, Mohammad Ali Moni
Preprint, 2021050429, Submitted to Sensors
- 2016 **Text Detection and Recognition Using Enhanced MSER Detection and a Novel OCR Technique.**
Md. Rabiul Islam, Chayan Mondal, Md. Kawsar Ajam, and Md. Abu Sayed
IEEE Proc. of 5th International Conference on Informatics, Electronics and Vision. (ICIEV 2016), Dhaka University (DU), Dhaka, Bangladesh
- 2015 **Performance Analysis of SSVEP Based Wireless Brain Computer Interface for Wet and Dry Electrode.**
Md. Kamrul Hasan, Chayan Mondal, Nahid Al Mahmud, and Mohiuddin Ahmad
IEEE Proc. of 3rd International Conference on Advances in Electrical Engineering (ICAEE 2015), Independent University, Bangladesh (IUB), Dhaka, Bangladesh
- 2015 **Single Channel Electrooculography Based Human-Computer Interface for Physically Disabled Persons**
Partha Pratim Banik, Md. Kawsar Ajam, Chayan Mondal, Md. Asadur Rahman
IEEE Proc. of 2nd International Conference on Electrical Engineering and Information & Communication Technology (iCEEiCT 2015), Jahangirnagar University, Dhaka, Bangladesh
- 2015 **Design and implementation of a Prototype Electrooculography Based Data Acquisition System**
Chayan Mondal, Md. Kawsar Ajam, Mohiuddin Ahmed, S. M. Kamrul Hasan, and Md. Rabiul Islam
IEEE Proc. of 2nd International Conference on Electrical Engineering and Information & Communication Technology (iCEEiCT 2015), Jahangirnagar University, Dhaka, Bangladesh

Awards

- 2015 **Deans Awards (3- times)** Deans Awards for securing CGPA of 3.75 or above (Out of 4.00) in each academic year.
- 2015 **Honors** These honors are provided to the graduates having CGPA 3.75 or above (Out of 4.00).
- 2011 – 2015 **Technical Scholarship** This scholarship is offered to the students based on their merit position in the class at KUET.

References

- Ref.1 **Dr. Mohiuddin Ahmad Professor**
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- Ref.2 **Dr. Mohammad Shaifur Rahman Professor**
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