



# Md. Farhad Hossain



✉ farhad.hossain@cuet.ac.bd



## Employment History

- 2023 – . . . . .  **Assistant Professor**, Department of Electronics and Telecommunication Engineering, Chittagong University of Engineering and Technology, Chattogram-4349, Bangladesh.
- 2019 – 2022  **Lecturer**, Department of Electronics and Telecommunication Engineering, Chittagong University of Engineering and Technology, Chattogram-4349, Bangladesh.

## Education

- 2024  **M.Sc. in Electronics and Telecommunication Engineering**  
Chittagong University of Engineering and Technology
- 2014 – 2018  **B.Sc. in Electronics and Telecommunication Engineering**  
Chittagong University of Engineering and Technology

## Research Publications

### Journal Articles

- 1 D. Das, **M. F. Hossain**, and M. A. Hossain, “A simple feed orthogonal excitation x-band dual circular polarized microstrip patch array antenna,” *International Journal of Electrical & Computer Engineering* (2088-8708), vol. 14, no. 2, 2024.
- 2 D. Das, **M. F. Hossain**, M. A. Hossain, M. A. Rahman, M. M. Hossain, *et al.*, “Phase delay through slot-line beam switching microstrip patch array antenna design for sub-6 ghz 5g band applications,” *International Journal of Electrical & Computer Engineering* (2088-8708), vol. 14, no. 2, 2024.
- 3 **M. F. Hossain**, D. Das, and M. A. Hossain, “A 5g beam-steering microstrip array antenna using both-sided microwave integrated circuit technology,” *International Journal of Electrical & Computer Engineering* (2088-8708), vol. 14, no. 1, 2024.
- 4 D. Das, **M. F. Hossain**, and M. A. Hossain, “Design and characterization of a circularly polarized microstrip-line-fed slot array antenna for s-band applications,” *International Journal of Electrical and Computer Engineering (IJECE)*, vol. 13, no. 6, pp. 6399–6409, 2023.

### Conference Proceedings

- 1 S. Saha, F. Sultana, **M. F. Hossain**, D. Das, and M. A. Hossain, “Modified d shaped dual-band microstrip patch antenna for 5g ka band application,” in *2024 3rd International Conference on Advancement in Electrical and Electronic Engineering (ICAEEE)*, IEEE, 2024, pp. 1–5.
- 2 D. Das, **M. F. Hossain**, and M. A. Hossain, “An x-band dual circular polarized single feed three-element microstrip patch array antenna,” in *2023 6th International Conference on Electrical Information and Communication Technology (EICT)*, IEEE, 2023, pp. 1–6.
- 3 D. Das, **M. F. Hossain**, A. Istiaque, and M. A. Hossain, “A four-element patch array antenna for direction of arrival (doa) estimation with beam switching applications,” in *2023 26th International Conference on Computer and Information Technology (ICCIT)*, IEEE, 2023, pp. 1–5.

- 4 D. Das, F. Sultana, **M. F. Hossain**, and M. A. Hossain, "A polarization reconfigurable cockroach shaped microstrip patch antenna for wlan applications," in *2023 IEEE 9th International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE)*, IEEE, 2023, pp. 166–170.
- 5 **M. F. Hossain**, D. Das, and M. A. Hossain, "Design and characterization of a ring shaped circular polarized microstrip patch antenna for x band applications," in *2022 4th International Conference on Electrical, Computer & Telecommunication Engineering (ICECTE)*, IEEE, 2022, pp. 1–4.
- 6 **M. F. Hossain**, M. A. Islam, S. N. Hussain, D. Das, R. Amin, and M. S. Alam, "Brain tumor classification from mri images using convolutional neural network," in *2021 IEEE International Conference on Artificial Intelligence in Engineering and Technology (IICAET)*, IEEE, 2021, pp. 1–6.
- 7 E. Hossain, **M. F. Hossain**, and M. A. Rahaman, "A color and texture based approach for the detection and classification of plant leaf disease using knn classifier," in *2019 international conference on electrical, computer and communication engineering (ECCE)*, IEEE, 2019, pp. 1–6.
- 8 E. Hossain, **M. F. Hossain**, and M. A. Rahaman, "An approach for the detection and classification of tumor cells from bone mri using wavelet transform and knn classifier," in *2018 International Conference on Innovation in Engineering and Technology (ICIET)*, IEEE, 2018, pp. 1–6.

## Skills

Languages	Strong reading, writing and speaking competencies for Bengali, English.
Coding	Python, Matlab, $\text{\LaTeX}$
Simulation	ADS, HFSS.
Misc.	Academic research, teaching, training, consultation, $\text{\LaTeX}$ typesetting and publishing.

## Miscellaneous Experience

### Awards and Achievements

2014 – 2018	<b>Merit Award</b> , Awarded with technical scholarship from Undergraduate Institution (CUET) for excellent results in each semester.
2017	<b>Awarded the 1st prize</b> in the project competition at ETE DAY'17.
2014 – 2018	<b>Obtained GPA 4.00</b> (Out of 4.00), in consecutive two term during B.Sc.

### Extracurricular Activities

2021 – 2022	<b>Joint Sport Secretary</b> , at CUET CLUB Executive Committee.
2018 – . . . .	<b>Social Welfare Secretary</b> , at Alumni Association of Electronics and Telecommunication Engineering (AAETE), CUET.
2017– 2018	<b>Organizing Secretary</b> , at Greater Comilla Student Forum.

### Certification

2020 – 2021	<b>Deeep Learning Specialization</b> , Completed five courses offered in this specialization on Coursera.
2018	<b>Big Data Analytics</b> , Completed three month long online training course offered by LANE.

## References

**Prof. Dr. Md. Azad Hossain**

Professor and Head

Dept. of ETE, CUET, Chattogram-4349.

✉ azad@cuet.ac.bd

**Dr. Md. Saiful Islam**

Associate Professor

Dept. of ETE, CUET, Chattogram-4349.

✉ saiful05eee@cuet.ac.bd

## **Proclamation**

---

I declare that the given information above is true without any kind of hesitation.