

CURRICULUM VITAE OF Md. Selim Reza



Date of birth : 16-Dec-1996
Marital Status : Married
Blood Group : A+ (Positive)
Address : 137/7/B, Mazar Road, Mirpur-1, Dhaka-1216
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Email : reza.eee@primeuniversity.edu.bd

Working Experiences:

June 2025 – Present : Assistant Professor, Dept. of EEE, Prime University
March 2020 – May 2025 : Lecturer, Dept. of EEE, Prime University
April 2019 – February 2020 : Assistant Engineer, Bangladesh Advance Technology Solution

Career Objectives:

Dedicated researcher in electrical and electronic engineering, aiming to apply expertise in graphene-based devices, photonic sensing and high-frequency electronics to drive technological innovation and deliver impactful scientific contributions.

Academic background:

M.Sc. in Electrical, Electronic & Communication Engineering, 2025

Military Institute of Science and Technology (MIST), Mirpur Cantonment, Dhaka-1216
Result: CGPA 3.50 (4 Points Scale)

B.Sc. in Electrical & Electronic Engineering, 2018

Gopalganj Science & Technology University, Gopalganj, Dhaka-8100
Result: CGPA 3.82 (4 Points Scale), **2nd Position**

H.S.C. in Science, 2013

Jhenaidah College, Jhenaidah-7300
Result: GPA 4.30 (5 Points Scale)

S.S.C. in Science, 2011

Kanchan Nagar Model High School, Jhenaidah-7300
Result: GPA 4.50 (5 Points Scale)

Publications:

❖ **Journal papers: (4 International Journal Articles)**

1. M. S. Reza, M. Habib, I. Mehedi, M. M. Alam, and S. Latif, “Ultra high birefringent dispersion flattened fiber in terahertz regime,” *Journal of Optical Communications*, vol. 44, Jun. 2020, doi: 10.1515/joc-2019-0308.

2. M. S. Reza and M. Habib, “Extremely sensitive chemical sensor for terahertz regime based on a hollow-core photonic crystal fibre,” *Ukrainian Journal of Physical Optics*, vol. 21, pp. 8–14, Feb. 2020, doi: 10.3116/16091833/21/1/8/2020.

3. M. Habib, M. S. Anower, L. Abdulrazak, and M. S. Reza, “Hollow core photonic crystal fiber for chemical identification in terahertz regime,” *Optical Fiber Technology*, vol. 52, May 2019, doi: 10.1016/j.yofte.2019.101933.

4. M. Habib, M. S. Reza, L. Abdulrazak, and M. S. Anower, “Extremely high birefringent and low loss microstructure optical waveguide: Design and analysis,” *Optics Communications*, vol. 446, Apr. 2019, doi: 10.1016/j.optcom.2019.04.060.

❖ Conference papers: (4 IEEE Conference Papers)

1. M. S. Reza and M. T. Amin, “Design and analysis of low power low noise graphene MOSFET based VCO for wireless applications,” in *Proc. International Conference on Telecommunications and Photonics (ICTP)*, Dec. 2023, pp. 1–4, doi: 10.1109/ICTP60248.2023.10490715.

2. M. S. Reza and M. T. Amin, “Analytical modeling and design optimization of dual gated n-channel graphene MOSFET,” in *Proc. International Conference on Advancement in Electrical and Electronic Engineering (ICAEEE)*, Feb. 2022, pp. 1–4, doi: 10.1109/ICAEEE54957.2022.9836369.

3. T. Abdullah, M. Habib, and M. S. Reza, “Slotted-core microstructure fiber for chemical sensing in terahertz regime,” in *Proc. IEEE Region 10 Symposium (TENSYP)*, Nov. 2020, doi: 10.1109/TENSYP50017.2020.9230783.

4. M. Habib and M. S. Reza, “Hybrid-core microstructure fiber for chemical identification in terahertz regime,” in *Proc. International Conference on Advances in Science, Engineering and Robotics Technology (ICASERT)*, May 2019, pp. 1–5, doi: 10.1109/ICASERT.2019.8934517.

Language Proficiency:

Have an excellent command over English and Bengali languages in speaking, listening, reading and writing.

Computer Literacy:

- ❖ **Application Software’s:** Microsoft Office Programs (MS Word, Excel), Microsoft Project (Power Point).
- ❖ **Engineering Software’s:** Comsol Multiphysics 5.3a, MATLAB, Code Block, Proteus 7 Professional.
- ❖ **Web designing:** HTML-5, CSS, JavaScript, C programming.

Project & Trainings Summary:

Title	Organization	Location	Duration	Remarks
Project: Design and Analysis of an Electrical Protection System in Perspective of Bangladesh	Prime University	Dhaka	1 Year	Completed in 2024
Training: Industrial Attachment	Training Institute for Chemical Industries	Narshingdi	21 Days	Passed in 2017

Prizes & Awards:

Achieved **Vice-Chancellor award** for **Second Merit position** in EEE department at BSMRSTU in 2018.

Volunteer experience:

At present, I am associated with a blood donation group as a **social worker** named 'BADHAN'.

References:

<u>Reference 01</u> Dr. Md Tawfiq Amin Associate Professor Dept. of Electrical, Electronic & Communication Engineering (EECE) Military Institute of Science and Technology Cell: +8801769-023978 Email: tawfiqamin@gmail.com	<u>Reference 02</u> Lt Col Md Aminul Islam Associate Professor Dept. of Electrical, Electronic & Communication Engineering (EECE) Military Institute of Science and Technology Cell: +8801717-481144 Email: aminul9274@gmail.com
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Declaration:

I hereby declare that, the details given above are true and correct to the best of my knowledge and undertake to inform you immediately of any changes therein if require. In case any of the above information is found to be false or untrue or misleading or misrepresenting, I am aware that, I may be held liable for it. Thanks for your time and consideration.



Signature