

# Md. Anowar Kabir

## Curriculum Vitae (CV)

Uttar Faridpur, Sadullapur  
Gaibandha, Bangladesh,  
☎ +880 1747 345 676  
✉ anowarkabir.mbstu@gmail.com



### Career Objectives

Seeking a teaching position at a reputed university as a Lecturer to share my knowledge, utilizing my skills and dedication.

### Work Experiences



#### Senior Officer (Assistant Programmer)

Head Office, Rupali Bank Limited, Bangladesh  
May, 2022 – Present

- Work with Development Team
- Network Support, IT Support, Maintenance, etc



#### Lecturer (Full Time)

Department of Computing and Information System, Daffodil International University, Bangladesh  
September, 2021 – April 2022

- Conduct Class
- Project Supervision

### Educational Attainments



#### Mawlana Bhashani Science and Technology University, Bangladesh

M.Sc. (Engineering) in Information and Communication Technology

Session: 2018-2019



CGPA: 4.00 (out of 4.00)  
Position: 1<sup>st</sup>



#### Mawlana Bhashani Science and Technology University, Bangladesh

B.Sc. (Engineering) in Information and Communication Technology

Class of 2018

Result Published Date: 23 Aug, 2022



CGPA: 3.89 (out of 4.00)  
Position: 3<sup>rd</sup>



#### Gaibandha Government College, Gaibandha, Bangladesh

Higher Secondary Certificate Examination, Dinajpur Board

Class of 2014



CGPA: 4.80 (out of 5.00)



#### Faridpur High School, Sadullapur, Gaibandha, Bangladesh

Secondary School Certificate Examination, Dinajpur Board

Class of 2012



CGPA: 5.00 (out of 5.00)

### Journal Publications

1. **Kabir, M.A.**, Hassan, M.M., Hossain, M.N., Paul, B.K. and Ahmed, K., 2020. Design and performance evaluation of photonic crystal fibers of supporting orbital angular momentum states in optical transmission. *Optics Communications*, Elsevier, p.125731. (Q1 Ranked Journal, IF = 2.11)
2. **Kabir, M.A.**, Hassan, M.M., Ahmed, K., Rajan, M.M., Aly, A.H., Hossain, M.N. and Paul, B.K., 2020. Novel spider web photonic crystal fiber for robust mode transmission applications with supporting orbital angular momentum transmission property. *Optical and Quantum Electronics*, Springer, 52(7), pp.1-17. Q1 Ranked Journal, IF = 1.92)
3. **Kabir, M.A.**, Ahmed, K., Hassan, M.M., Hossain, M.M. and Paul, B.K., 2020. Design a photonic crystal fiber of guiding terahertz orbital angular momentum beams in optical communication. *Optics Communications*, Elsevier, p.126192. Q1 Ranked Journal, IF = 2.11)

4. Hassan, M.M., **Kabir, M.A.**, Hossain, M.N., Biswas, B., Paul, B.K. and Ahmed, K., 2020. Photonic crystal fiber for robust orbital angular momentum transmission: design and investigation. *Optical and Quantum Electronics*, **Springer**, 52(1), p.8. (**Q1 Ranked Journal, IF = 1.92**)
5. Hassan, M.M., **Kabir, M.A.**, Hossain, M.N., Nguyen, T.K., Paul, B.K., Ahmed, K. and Dhasarathan, V., 2020. "Numerical analysis of circular core shaped photonic crystal fiber for orbital angular momentum with efficient transmission." *Applied Physics B*, 126(9), **Springer**, pp.1-8. **Q1 Ranked Journal, IF = 1.92**
6. Al-Zahrani, F.A. and **Kabir, M.A.**, 2021, April. "Ring-Core Photonic Crystal Fiber of Terahertz Orbital Angular Momentum Modes with Excellence Guiding Properties in Optical Fiber Communication." *Photonics*, (Vol. 8, No. 4, p. 122). , 126(9), **Multidisciplinary Digital Publishing Institute. Q2 Ranked Journal, IF = 2.676**)
7. Eid, M.M., Rashed, A.N.Z., **Kabir, M.A.** and Hassan, M.M., 2020. Measuring clock jitter and data signals for bit error detection in optical transceiver systems". 1(ahead-of-print). **Journal of Optical Communications, De Gruyter, Q3, IF = 1.36**
8. Israk, M.F., Razzak, M.A., Ahmed, K., Hassan, M.M., **Kabir, M.A.**, Hossain, M.N., Paul, B.K. and Dhasarathan, V., 2020. Ring-based coil structure photonic crystal fiber for transmission of Orbital Angular Momentum with large bandwidth: Outline, investigation and analysis". *Optics Communications, Elsevier*, 473, p.126003. (**Q1 Ranked Journal, IF = 2.11**)
9. Abdullah, H., Ahmed, K., Alam, M.S., Rashed, A.N.Z., Mitu, S.A., Al-Zahrani, F.A. and **Kabir, M.A.** 2021. "High sensitivity refractive index sensor based on triple layer MgF<sub>2</sub>-gold-MgF<sub>2</sub> coated nano metal films photonic crystal fiber". 241, p.166950. **Optik, Elsevier, Q2, IF = 2.59**

## Conference Paper

1. *Hossain, M.M., **Kabir, M.A.**, Hassan, M.M., Parag, M.A.R., Hossain, M.N., Paul, B.K., Uddin, M.S. and Ahmed, K., 2020, February. "Proposal of a Highly Birefringent Bow-Tie Photonic Crystal Fiber for Nonlinear Applications". In International Conference on Cyber Security and Computer Science, **Springer**, (pp. 659-670).*

## Book Chapter

1. Ahmed K., Hassan M. M., **Kabir M.A.** (2021) "Polymer and Ceramic Nanotechnology for Biomedical Applications". In: Hussain C.M., Thomas S. (eds) Handbook of Polymer and Ceramic Nanotechnology. **Springer, Cham.**

## Impact Metrics (Till 01-12-2022)

- ⊙ Citations = 193 (Google Scholar)
- ⊙ h-index and i-10 index = 8 (Google Scholar)

## Research Interests

- ⊙ Cyber Security
- ⊙ Terahertz and Optical Data Communications

## Research Details Link

Scholar	<a href="https://scholar.google.com/citations?hl=en&amp;user=z4LWApGAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=z4LWApGAAAAJ</a>
ResearchGate	<a href="https://www.researchgate.net/profile/Md_Anowar_Kabir2">https://www.researchgate.net/profile/Md_Anowar_Kabir2</a>
ORCID iD	<a href="https://orcid.org/0000-0003-0882-5157">https://orcid.org/0000-0003-0882-5157</a>
Portfolio	<a href="https://anowarkabir.github.io/">https://anowarkabir.github.io/</a>

## Research Scholarship

ICT Fellowship	Selected as Research Fellow by ministry of Information and Communication Technology ( <i>ICT Fellowship</i> ), Peoples Republic of Bangladesh at fiscal year of 2020-2021 for M.Sc. research work.
NST Fellowship	Selected as Research Fellow by ministry of Science Technology ( <i>National Science Technology Fellowship</i> ), Peoples Republic of Bangladesh at fiscal year of 2020-2021.

## Achievements and Certificates

Participation	IT-Quiz contest of the IEEE MBSTU Student Branch Inauguration Program-2017
WorkShop	Participation in the workshop on "How to make Android Controlled Robot" held on 15 <sup>th</sup> october, 2019 organized by IEEE MBSTU Student Branch

Webinar Participation in the Webinar on "Semiconductor Industry: Moore's Law and the Future of Computing", Arranged by IEEE Young Professionals Bangladesh held on Zoom Platform.

IEEE An extended abstract accepted and certified by IEEE Computer Society Bangladesh chapter at the IEEE  
Symposium Winter Symposium 2020 with paper ID 66 and Title "Designing a fiber of transmitting Terahertz band supported Orbital angular momentum mode in optical communication".

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## Technical Skills

Language C, C++, Java, MySQL, HTML, CSS, Javascript, PHP Matlab

OS Microsoft Windows, Linux Mint, Ubuntu

Tools Code Blocks, Turbo C++, Notepad++, NetBeans, Visual Studio, COMSOL Multiphysics, LaTeX

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## Other Skills

IEEE Student Member (2019 - Till Now)

IEEE SB Secretary at IEEE MBSTU Student Branch (2019-2020)

Language English, Bangla

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## Personal Information

Name Md. Anowar Kabir

Parents Md. Mozibar Rahman and Most. Anwara Begum

Present Mirpur-12, Dhaka, Bangladesh

Address

Permanent Uttar Faridpur, Sadullapur, Gaibandha, Bangladesh

Address

Contact [+8801747345676], [anowarkabir.mbstu@gmail.com]

Blood Group AB+

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## References

Monir Morshed

Professor

Dept. of ICT, MBSTU

Tangail-1902, Bangladesh

Phone: +880 1793 667 714

Email: monirmorshed.ict@mbstu.ac.bd

Email: monirmorshed.mbstu@gmail.com

Dr. Sajjad Waheed

Professor and Chairman

Dept. of ICT, MBSTU

Tangail-1902, Bangladesh

Phone: +880 1787 064 807

Email: sajjad@mbstu.ac.bd

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## Personal Statement

I believe myself, to be the clear and logical mind with a practical approach to solve any problems at any situation. I will be dedicated myself by applying my horizon skills to contribute towards the organization's goal.

*Sincerely,*

Md. Anowar Kabir

M.Sc. (Engg.) in ICT, MBSTU.