Md. Anowar Kabir

I Believe in Myself

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Career Objectives

To pursue a challenging career and be a part of progressive organization that gives a scope to enhance my knowledge and utilizing my skills towards the growth of the organization.

Educational Attainments

Mawlana Bhashani Science and Technology University, Bangladesh
M.Sc. (Engineering) in Information and Communication Technology
Ongoing | Session : 2018 - 2019

Mawlana Bhashani Science and Technology University, Bangladesh
B.Sc. (Engineering) in Information and Communication Technology
Class of 2018 | CGPA : **3.89**/4.00
Result Published: 24 August, 2020 | 3rd Position

Gaibandha Government College, Gaibandha, Bangladesh
Higher Secondary Certificate Examination, Dinajpur Board
Class of 2014 | GPA : **4.80**/5.00

Faridpur B/L High School, Sadullapur, Gaibandha, Bangladesh
Secondary Certificate Examination, Dinajpur Board
Class of 2012 | GPA : **5.00**/5.00

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*, p.125731. **(Publisher = Elsevier, Journal Ranking = Q1, 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*, 52(7), pp.1-17. **(Publisher = Springer, Journal Ranking = Q1, 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*, p.126192. **(Publisher = Elsevier, Journal Ranking = Q1, IF = 2.11)**
4. *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* (pp. 659-670).**(Publisher = Springer)**
5. 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*, 52(1), p.8. **(Publisher = Springer, Journal Ranking = Q1, IF = 1.92)**

6. 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), pp.1-8. **(Publisher = Springer, Journal Ranking = Q1, IF = 1.92)**
7. 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*, p.126003. **(Publisher = Elsevier, Journal Ranking = Q1, IF = 2.11)**

Impact Metrics (Till 06-09-2020)

- RG Score= 9.74 (ResearchGate)
- 17 citations (Google Scholar)
- h-index = 3

Research Interests

- Photonics
- Machine Learning
- Internet of Things (IoT)

Research Details Link

Google Scholar `https://scholar.google.com/citations?hl=en&user=z4LWApgAAAAJ`

ResearchGate `https://www.researchgate.net/profile/Md_Anowar_Kabir2`

ORCID iD `https://orcid.org/0000-0003-0882-5157`

Academic Projects

1. Mind Reader Game by Using C programming.
2. Tic Tac Toe Game by using C++ and Graphics.
3. Personal Profile by using HTML, CSS, Bootstrap.
   `https:akabir.github.io`

Achievements and Certificates

Participation Certificate: Seminar on "Education and The Fourth Industrial Revolution" held in 27 July, 2019, arranged by faculty of Engineering, Mawlana Bhashani Science and Technology University, Santosh, Tangail-1902

Participation Certificate: 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^{th} october, 2019 organized by IEEE MBSTU Student Branch

Contest: Participate on many Inter and Intra department programming contest from 2015 to 2017

Technical Skills

Programming Language: C, C++, Java, MySQL, HTML, CSS, Matlab

Operating System: Microsoft Windows, Linux Mint, Ubuntu

Programming Tools: Code Blocks, Turbo C++, Notepad++, NetBeans, TEXstudio, Visual Studio Code

Research Tools: COMSOL Multiphysics, Matlab, LaTex

Other Skills

Online Judge	Got accepted 162 and 53 online ACM problem at URI and UVa online judge respectively, by using C, C++ and Java programming language
IEEE	Student Member (2019 - Till Now)
IEEE SB	Secretary at IEEE MBSTU Student Branch (2019-2020)

Co-Curricular Activities

Man of the match	Semifinal Match, ICT Football Fiesta-2019

Language Skills

English	Good	*[Second Language]*
Bengali	Excellent	*[Mother Tongue]*

References

Kawsar Ahmed
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Personal Statement

I believe myself, to be the clear and logical mind with a practical approach to problem-solving and in earnest, interested in knowledge through completion of all commitments. I wish to involve myself for doing such innovative work that will contribute to put my knowledge in practical use. I will also be dedicated by applying my horizon skills to contribute towards the organization goal.

Sincerely,
Md. Anowar Kabir