Fahad Ahmed

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Google Scholar *[Citations 600+]* ORCID



Teaching Experience

Position: Lecturer
Institution: Bangladesh Institute of Bank Management (BIBM)
Time Period: 23-January-2025 to Present.

Position: Assistant Professor
Institution: Department of Computer Science and Engineering, University of Asia Pacific (UAP)
Time Period: 13-July 2023 to 20-January-2025.

Position: Lecturer
Institution: Department of Computer Science and Engineering, University of Asia Pacific (UAP)
Time Period: 21-October-2019 to 12-July 2023.

Industry Experience

Intern on **Samsung R&D Institute Bangladesh**
111 Bir Uttam CR Dutta Rd, Dhaka 1205.
Time Period: 01- November-2018 to 08-March-2019.
Responsibility: Institution: Samsung R&D Institute Bangladesh,

Instructor

Bangladesh Korea Institute of Information and Communication Technology (BKIICT) under **Bangladesh Computer Council (BCC)**.
Instructor: Python Programming Course.

Certificate Course Coordinator at BIBM

- Certified Expert in Anti Money Laundering & Financial Crime (CEAF) *[14th Intake]*
- Certified Expert in E-Banking (CEEB) *[11th Intake]*

Course Coordinator at BIBM

- Business Data Analytics
- Emerging Technologies for Digital Banking
- Artificial Intelligence using Python Programing
- Database Query and Data Processing using Oracle

Courses Instructed at the University

Artificial Intelligence, Machine Learning, Cyber Security, Software Engineering, Programming C, Python, Data Structure and Algorithm.

Educational Attainment

M.Sc. in Computer Science
Institution: Jahangirnagar University (JU)
Result: 3.95 out of 4.00
Passing Year: 2020

B.Sc.(Engg.) in Information & Communication Technology (ICT)
Institution: Mawlana Bhashani Science and Technology University (MBSTU)
Result: 3.66 out of 4.00, **[Merit Position: 2nd]**
Passing Year: 2016

Publication

1. Khan, Md. Shihab Uddin, Md. Foysal Hasan, **Fahad Ahmed,** S. M. Tofayel Ahmad, and Muhammad Abul Kalam Azad. "Adoption of AI in Cybersecurity Management of Banks: Bangladesh Perspective." *BIBM Roundtable Discussion Series 11, no. 6 (2026)* (publication in processing).
2. Hossain, Md Alamgir, Tahmid Hasan, **Fahad Ahmed**, Sheikh Hasib Cheragee, Muntasir Hasan Kanchan, and Md Alimul Haque. "Towards superior android ransomware detection: An ensemble machine learning perspective." *Cyber Security and Applications* 3 (2025): 100076.
3. **Fahad Ahmed**, Jubaer Hossain Siam, Md Mahedi Hassan, Md. Akhtaruzzaman Adnan, Muhammad Towfiqur Rahman, "Ensemble Learning Based Ventilator-Associated Pneumonia Prediction within 24 Hours". 3rd International Conference on Computing Advancements (ICCA), American International University-Bangladesh (AIUB), 2024.
4. Al Masud, Shah Murtaza Rashid, Md Masnun, Afia Sultana, Anamika Sultana, **Fahad Ahmed**, and Nasima Begum. "DevOps Enabled Agile: Combining Agile and DevOps Methodologies for Software Development." *International Journal of Advanced Computer Science and Applications* 13, no. 11 (2022).
5. **Ahmed, Fahad,** Subrata Roy, Kawsar Ahmed, Bikash Kumar Paul, and Ali Newaz Bahar. "A novel star shape photonic crystal fiber for low loss terahertz pulse propagation." *Nano Communication Networks* 19 (2019): 26-32.
6. Ahmed, Kawsar, **Fahad Ahmed**, Subrata Roy, Bikash Kumar Paul, Mst Nargis Aktar, Dhasarathan Vigneswaran, and Md Saiful Islam. "Refractive index-based blood components sensing in terahertz spectrum." *IEEE Sensors Journal* 19, no. 9 (2019): 3368-3375.
7. **Ahmed, Fahad,** Subrata Roy, Bikash Kumar Paul, Kawsar Ahmed, and Ali Newaz Bahar. "Extremely low loss of photonic crystal fiber for terahertz wave propagation in optical communication applications." *Journal of Optical Communications* 41, no. 4 (2020): 393-401.
8. Hossain, Md Nadim, **Fahad Ahmed**, Md Shohag Khan, Kawsar Ahmed, Mohit Sharma, and Vigneswaran Dhasarathan. "Highly nonlinear Silicon Nanocrystal doped photonic crystal fibers with low confinement loss." *Physica B: Condensed Matter* 577 (2020): 411802.
9. Kanmani, R., Kawsar Ahmed, Subrata Roy, **Fahad Ahmed**, Bikash Kumar Paul, and MS Mani Rajan. "The performance of hosting and core materials for slotted core Q-PCF in terahertz spectrum." *Optik* 194 (2019): 163084.
10. Paul, Bikash Kumar, **Fahad Ahmed**, Md Golam Moctader, Kawsar Ahmed, and Dhasarathan Vigneswaran. "Silicon nano crystal filled photonic crystal fiber for high nonlinearity." *Optical Materials* 84 (2018): 545-549.

Co-curricular Activities

- **45th ICPC World Finals Dhaka**: Host Student Volunteers Hotel and Team Registration Co-Coordinator
- **Reviewer**: International Conference on Computing Advancements – ICCA 2024

Training

- Operations Management by National Academy for Planning and Development under the Bangladesh Ministry of Public Administration, Bangladesh. Date: 22-26 June 2025
- Banking Foundation Training by Bangladesh Institute of Bank Management, Date: 15 Apr- 15 May 2025
- e-Learning and Teaching (CeLT) by Foundation for Learning Teaching and Research (FLTR)
  Date: 10 March - 25 March, 2022
- Modern Cyber Security: Concept, Culture and Latest Trends, Date: 27 March 2021