

Md. Inzamamul Haque Shishir
Department of Biomedical Engineering
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PROFESSIONAL
DEVELOPMENT

- Technical Training:
- FTIR (Fourier Transform Infrared Spectroscopy) Training
 - ATR (Attenuated Total Reflectance) Training
 - Academic Writing and Paper Publication Workshop

LEADERSHIP &
EXTRACURRICULAR
ACTIVITIES

- Leadership Positions:
- General Secretary, JUST Robo Society (2024-Present) JUST
 - Secretary of Corporate and Public Relations, JUST Research Society (2024-Present) JUST
 - Community Service:
 - Regular Blood Donor

OBJECTIVE

Dedicated 4th year Biomedical Engineering student from Jashore University of Science and Technology(JUST) with hands on experience in biosensor device development and one peer-reviewed publication. Seeking a graduate research opportunity to build upon my skills in wearable biosensors and lab-on-chip platforms, with a focus on low-cost, accessible diagnostic technologies for resource-limited settings.

EDUCATION

Bachelor of Science in Biomedical Engineering
Jashore University of Science and Technology (JUST), Bangladesh
Expected Graduation: June 2026 | CGPA: 3.1/4.0 (6 completed semesters out of 8)

Relevant Coursework: Human Assist Devices, Biomedical Instrumentation and Measurements, Bioinformatics, Digital Signal Processing, Biomaterials and Prosthetics, Engineering Mechanics, Basic Electronic Devices and Circuits, Engineering Physics

RESEARCH & PUBLICATION

- Publications:
- A portable smartphone-based electrochemical sensing platform for rapid and sensitive detection of creatinine in blood serum" - RSC Advances, 2025
DOI: <https://doi.org/10.1039/D5RA03128A>
- Research Affiliation:
- Research Student, [Laboratory of Nano-bio and Advanced Materials Engineering \(NAME\)](#)
Jashore University of Science and Technology (2023-Present)
 - Conducting research on advanced biosensor technologies
 - Supervised by Dr. Md. Zaved Hossain Khan

PROJECTS

- HealthTracker: Machine Learning-Enabled Dual Sensor Platform (2024)
- Developed comprehensive monitoring system for diabetic care
 - Integrated dual sensors for real-time glucose and ECG monitoring

REFERENCES

- (a) Dr. Md. Zaved Hossain Khan
Professor and Chairman
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