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Research Gate: [researchgate.net/profile/ Mdinzamamul-Shishir](https://researchgate.net/profile/ Mdinzamamul-Shishir)

## 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  
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