



IoTelligence Vision Lab (EST-2023)

Dept. of Computer Science and Engineering
Faculty of Science and Engineering
Teesta University, Rangpur -5404, Bangladesh

Mission Statement

The IoTelligence Vision Lab is dedicated to conducting innovative research in the fields of Internet of Things (IoT), Computer Vision, Machine Learning, Software Defined Networking (SDN), and Blockchain. Our mission is to develop practical, intelligent solutions that significantly enhance productivity, efficiency, and sustainability within the agricultural and livestock management sectors, ultimately contributing to food security and rural development in Bangladesh and beyond.

Vision

Our vision is to be a nationally recognized leader in applied research and technological innovation, transforming agriculture and livestock management through the seamless integration of IoT, Computer Vision, Machine Learning, SDN, and Blockchain. We aim to foster a future where data-driven decisions empower farmers and livestock managers, creating smarter, more resilient, and environmentally responsible systems for a prosperous and sustainable tomorrow.

Research Topic

- Internet of Things
- Computer Vision
- 5G Technology
- Machine Learning
- Software Defined Networking
- Blockchain
- Algorithm Optimization

Members



Shah Rafatur Rahman Rakin

Researcher

Lecturer and Head

Dept. of Computer Science and Engineering

Faculty of Science and Engineering

Teesta University, Rangpur -5404, Bangladesh

Email: rafatur@teestauniversity.ac.bd

Google Scholar:

<https://scholar.google.com/citations?user=PAFyBToAAAAJ&hl=en>



Pranto Halder

Researcher

Lecturer

Dept. of Computer Science and Engineering

Faculty of Science and Engineering

Teesta University, Rangpur -5404, Bangladesh.

Email: pranto@teestauniversity.ac.bd

Google Scholar:

<https://scholar.google.com/citations?user=UKk03LAAAAAJ&hl=en>



Ohahidur Zaman

Researcher

Lecturer

Dept. of Computer Science and Engineering

Faculty of Science and Engineering

Teesta University, Rangpur -5404, Bangladesh.

Email: ohahidur@teestauniversity.ac.bd



Md. Soyaeb Islam

Researcher

Lecturer

Dept. of Computer Science and Engineering

Faculty of Science and Engineering

Teesta University, Rangpur – 5404, Bangladesh.

Email: soyaeb@teestauniversity.ac.bd



Md Sydul Islam

Trainee Researcher

ID: CB21128

Dept. of Computer Science (Software Engineering)

Faculty of Computing

Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA)

Email: cb21128@adab.umpsa.edu.my

Google Scholar:

<https://scholar.google.com/citations?user=x3j65zgAAAAJ&hl=en>



Riyad Al Araf

Trainee Researcher

ID: 10624105101013

Dept. of Computer Science and Engineering

Faculty of Science and Engineering

Teesta University, Rangpur – 5404, Bangladesh.

Email: riyadalaraf9@gmail.com

Google Scholar:

<https://scholar.google.com/citations?user=w1KOHKAAAAAJ&hl=en>

Publications

Journal

1. Challenges and Opportunities of 5G Integration in Bangladesh: Impacts on Education, Research, Business, and Healthcare – **European Journal of Computer Science and Informatics**.
2. Language Aware Sorting: Empirical and ML Driven Performance Evaluation of Insertion Sort - **European Journal of Scientific Research and Reviews**.

International Conference

1. The Business Landscape of 5G in Bangladesh: Opportunities and Challenges - **International Conference on Business Innovation and Sustainable Development (ICBISD 2026)**.
2. Cardiovascular Disease Prediction Using Modern Machine Learning Pipelines on the UCI Heart Disease Dataset – **2nd Undergraduate Conference on Intelligent Computing and Systems (UCICS)**.

Symposium

1. Challenges and Opportunities of 5G Integration in Bangladesh: Impacts on Education, Research, Business, and Healthcare, Submission ID. 32, 2025. (Accepted; **IEEE Computer Society Bangladesh Chapter Summer Symposium 2025**)
2. Analyzing the Impact of Data Types and Language Design on Merge Sort, Submission ID. 38, 2025. (Accepted; **IEEE Computer Society Bangladesh Chapter Summer Symposium 2025**).
3. Exploring the Algorithm-Paradigm Interface: Insertion Sort in Diverse Programming Models, Submission ID. 425, 2025. (Accepted; **IEEE Computer Society Bangladesh Chapter Summer Symposium 2025**)
4. Language-Aware Sorting: An Empirical and ML-Driven Performance Evaluation of Insertion Sort (Accepted; **International Conference on Applied Statistics and Data Science 2025**)

IoTelligence Vision Lab
Vision Focused IoT Intelligence