Rahat Uddin

Lecturer
School of Science and Engineering
ZNRF University of Management Sciences (ZUMS)

Educational Background

- **B.Sc.** in Electrical and Electronics Engineering (EEE), Presidency University, 2022.

- **Diploma** in Electronics, Dhaka Polytechnic Institute**,** 2018.

- **SSC** from Imampur P.M High School, Chandpur, Bangladesh, 2014.

Positions Held

- ➢ **Lecturer, School of Science and Engineering, ZNRF University of Management Sciences (ZUMS), Dhaka-1212, Bangladesh from April 2023 to Present.**
- ➢ **Assistant Director**, Innovation and Light Engineering, IDEB Research and Technological Institute. From January 2018 to Present. (Part time)
- ➢ **Research Associate**, Centre for Occupational Research and Education (CORE). From September 2021 to March 2023.
- ➢ **IoT Engineer**, UY Systems Ltd. From September 2018 to January 2019.
- ➢ **Project Engineer**, Global Brand Private Ltd. From May 2019 to July 2019.

Honours and Awards

- **Champion** of the BASIS Youth Fest 2018 for Project Showcasing.
- Got **Best Innovation award** at International Conference on NRB Engineers- CONE 2019 at Pan Pacific Sonargaon.
- Got **1ˢᵗ Runner-up** award in international conference on robotics and signal processing technic 2019 at AIUB.
- Got **2ⁿᵈ runner-up** award the 4th International Conference on Vocational Student's Innovation Project-2019 (ICVSIP) at Chiang Mai, Thailand.
- **Champion** of the BASIS National ICT Award 2019 from Senior Students Category.
- Achieves the **top 30 positions** ideaTHON 2020 Startup Bangladesh Contest.
- **Runner-Up** of the NASA Space Apps Challenge 2020.
- **Champion** of the BASIS National ICT Award 2020 from Tertiary Students Category.
- **Champion** of the Bangladesh Innovation Award 2021 for best innovation of the Agricultural sector.
- Got **Merit Award** of the Asia Pacific ICT Alliance (APICTA Awards) 2020-21.
- Got **1ˢᵗ runner-up** award the 7th International Conference on Vocational Student's Innovation Project-2022 (ICVSIP) at Phuket, Thailand.
- **National winner** UNICEF GenU Bangladesh ImaGen Ventures Youth Challenge on Climate Change.
- **Group Champion** of OIC Youth Scientific Congress- 2022, Kazan, Russia
- Got **Ethical Skills Award-2023**, Riga, Latvia

Conference Attended:

- ✓ International Conference on NRB Engineers- CONE 2019 at Pan Pacific Sonargaon.
- ✓ International Conference on Robotics and Signal Processing Technic 2019 at AIUB.
- ✓ The 4ᵗʰ International Conference on Vocational Student's Innovation Project-2019 (ICVSIP) at Chiang Mai, Thailand.
- ✓ The 7ᵗʰ International Conference on Vocational Student's Innovation Project-2022 (ICVSIP) at Phuket, Thailand.
- ✓ The OIC Youth Scientific Congress- 2022, Kazan, Russia
- ✓ Skillman International Forum-2023, Riga, Latvia

Publications

1) **Smart Vertical Axis Highway Wind Turbine**
   DOI: 10.37745/ijeats.13/vol10n42036
   (Article Author: **Rahat Uddin**, Abdullah Al Araf, Rezaul Khan, Foysal Ahammed)

2) **Using Microcontroller Based Digital Portable Soil Testing Device** ("**Matir Pran**") for Agricultural Sector Development.
   DOI: 10.37745/ijeats.13/vol10n43753
   (Article Author: Abdullah Al Araf, **Rahat Uddin**, Rezaul Khan, Foysal Ahammed)

Conference Publications

- ✓ International Conference on "Skills Readiness for Achieving SDGs & Adopting IR 4.0" on 02-04 February 2020
- ✓ 4th International Conference on Bangladesh Environment (ICBEN) on 26-28 December 2020
- ✓ International Conference on Environmental Protection for Development (ICEPSD-2022), Dhaka University
- ✓ The 4th International Conference on Vocational Student's Innovation Project-2019 (ICVSIP) at Chiang Mai, Thailand.
- ✓ The 7th International Conference on Vocational Student's Innovation Project-2022 (ICVSIP) at Phuket, Thailand.
- ✓ The OIC Youth Scientific Congress- 2022, Kazan, Russia

Funding/ Grants

- Got Special Grants regarding the fellowships and scholarships for research in the information and communications technology sector and the granting of innovative work, from Bangladesh ICT Division.
- Got Incubation fund from UNICEF GenU Bangladesh ImaGen Ventures Youth Challenge on Climate Change Impact 2022
- Got Innovation fund from Bangladesh Agriculture research Institute (BARI)
- Got Special Grants from Smart Power & Energy Challenge "Bicchuron-2.0"

Teaching Interest

- Electronics Device & Circuit
- Internet of Things (IoT)
- Artificial Intelligence (AI)
- Digital Electronics
- Big Data Analysis
- Robotics

Research Interest

- Renewable Energy
- Disaster Management System
- Power Electronics
- Solar Engineering
- Machine Learning

Membership of Professional Bodies

- **Research Fellow**, IDEB Research and Technological Institute
- **Member,** Institution of Diploma Engineers, Bangladesh (IDEB)
- **Member**, Amateur Radio Society Bangladesh (ARSB)
- **Member**, Dhaka Toastmasters Club