**Amit Dutta Roy**
Lecturer
**Research Area**IoT in Telemedicine/Healthcare Biomedical Signal Processing Biomedical Image Processing Machine Learning

## Biography

**Amit Dutta Roy** received a B. Sc. Eng. degree in Biomedical Engineering (BME) from Khulna University of Engineering & Technology (KUET) scoring summa-cum-laude CGPA of **3.98 (out of 4.00)** and ranked **1st** in his class in 2020. In his third year, he completed his undergraduate project (BME 3200) titled "An Approach Towards the Design and Implementation of a Trainer Board on Automatic External Defibrillator (AED)" under the guidance of Mr. Rushdi Zahid Rusho (Assistant Professor, Department of BME, KUET). In his fourth year, he attended various technical seminars and national/international conferences to better grasp the field of academic research and completed his undergraduate thesis (BME 4000) titled "Classification of Epileptic Seizure Stages from EEG Using Convolutional Neural Network" under the supervision of Dr. Muhammad Muinul Islam (Professor, Department of BME, KUET), the then Head of the Department of BME.

Besides academic projects and thesis, he has participated in and secured recognition from the following national events:

**University Day 2018:** Winner in Project Showcasing

- Project Title: Smart Infant Incubator [Team: Bio-enigmatologists]

*Organized by KUET (22 September 2018)*

**Esonance 2018:** 1st Runner-Up in Project Showcasing

- Project Title: Smart Infant Incubator [Team: Bio-enigmatologists]

*Organized by the Department of Electrical and Electronic Engineering, Islamic University of Technology (IUT) (19 October 2018)*

**Textile Fest 2019:** Winner in Project Showcasing

- Project Title: Smart Infant Incubator [Team: Bio-enigmatologists]

*Organized jointly by the Department of Textile Engineering, KUET, and KUET Textile Club (22-23 March 2019)*

**Ignition 2019:** 1st Runner-Up in Project Showcasing

- Project Title: Smart Infant Incubator [Team: Bio-enigmatologists]

*Organized by Department of Mechanical Engineering, KUET (27-28 September 2019)*

He is currently working as a Lecturer in the Department of BME, KUET (February 2022 - Present). Previously, he was a part-time Lecturer in this department (January 2021- January 2022). He is also pursuing his M. Sc. in BME from this university.

## Education

**Master of Science in Biomedical Engineering**
Khulna University of Engineering & Technology (KUET),Bangladesh()
**Bachelor of Science in Biomedical Engineering**
Khulna University of Engineering & Technology (KUET),Bangladesh(2016-2020)
Thesis Title: Classification of Epileptic Seizure Stages from EEG Using Convolutional Neural Network
**Higher Secondary Certificate (HSC)**
Notre Dame College (NDC),Bangladesh(2015)Group: Science,
**Secondary School Certificate (SSC)**
Millennium Scholastic School & College (MSSC), Bogura,Bangladesh(2013)Group: Science,
**Junior School Certificate (JSC)**
Millennium Scholastic School & College (MSSC), Bogura,Bangladesh(2010)

## Service Records

- *From 0000-00-00to0000-00-00*

## Khulna University of Engineering & Technology (KUET)

1st February 2022 to Present
Organization Type: Public University
Location: Khulna, Bangladesh
Position: **Lecturer**
Department: Biomedical Engineering (BME)

- *From 0000-00-00to0000-00-00*

# Khulna University of Engineering & Technology (KUET)

5th January 2021 to 31st January 2022
Organization Type: Public University
Location: Khulna, Bangladesh
Position: **Lecturer (Part-Time)**
Department: Biomedical Engineering (BME)

## Research Interest

**IoT in Telemedicine/Healthcare**

**Biomedical Signal Processing**

**Biomedical Image Processing**

**Machine Learning**

**IoT in Telemedicine/Healthcare**