

# Md. Rafiul Islam

**Email** rafiul.ruet.eee@gmail.com  
**Linked IN** www.linkedin.com/in/mdrafiullslambd  
**Phone** +8801741035085



## Objective:

To obtain a challenging position in an institution where creativity, talents, and a commitment to excellence will have a valuable application. As a young aspirant, I want to pursue my goal with absolute dedication, sincerity, and hard work.

## Academic Qualification:

Examination	Name of Institution	Group/Subject	Result	Passing Year
B.Sc. Engineering	Rajshahi University of Engineering & Technology (RUET)	Electrical & Electronics	3.43(Out of 4.00)	2021
H.S.C	Rajshahi Government City College, Rajshahi	Science	5.00(Out of 5.00)	2015
S.S.C	Niamatpur Bohumukhi Model High School, Naogaon	Science	5.00(Out of 5.00)	2013

## Leadership Experience:

**R&D Manager** (November 2020 -Present) at Durbar Kandari | RUET, Rajshahi, Bangladesh.

- Conducting research and analyzing data on emergency medical ventilator projects.
- Conducting cooperative research on CPAP- BiPAP devices and low-cost Ambu bag projects.

## Conference Paper:

- M. M. Hasan, **M. R. Islam**, W. Ahmed, M. M. Saqib, M. R. Rahman, M. R. Uddin and M. M. Rana "Cost Effective Bluetooth Technology Based Emergency Medical Ventilator for Respiratory Support," In Proc. of the ACMI, pp. 1-5, Rajshahi, Bangladesh, Jul. 2021.
- M. M. Saqib, M. M. Hasan, **M. R. Islam et al.**, "Design and Implementation of a Helmet-based, Noninvasive CPAP Devices for COVID-19," (Accepted ICEEE2021).
- S. S. Islam, M. M. Hasan, **M. R. Islam**, M. F. Hossain, "Performance Analysis of IoT Based Solar Operated Smart Water Management System for Irrigation Field," (Submitted to ICEEE2021).
- M. M. Hasan, M. A. G. Khan, **M. R. Islam**, and M. A. Malek "Design and Implementation of IGBT Based Single Phase Multiconverter for Industrial Load Control," *In Proc. of the ICEEICT 2021*, MIST Dhaka, Bangladesh, Nov. 2021.

## Internship Experience:

Energypac Engineering Limited | Baruipara, Savar, Bangladesh | 07 May 2019 – 13 May 2019.

- Achieved practical knowledge about different types of transformers.
- Observed the Fabrication process of instruments transformer CT and PT.
- Gained some practical experience in transformer testing, isolator, circuit breaker, and switchgear.

## Awards & Achievements:

- **Champion**, Virtual Project Competitions on ICT-2020, arranged by IICT, RUET on 24<sup>th</sup> December, 2020 and winning Prize Money 120\$.
- **Bangladesh Government Technical Scholarship**, Offered by RUET, Rajshahi, Bangladesh. 50\$ / Year during B.Sc. Course, 2016-2020.

## Undergraduate Projects:

- Undergraduate Thesis on “**Analysis and Hardware Implementation of 63-Level Asymmetric Multi-Level Single Phase Inverter for THD Reduction**” supervised by Md. Mamunur Rashid, Assistant Professor, Dept. of EEE, RUET (2021).
- Embedded Systems Lab Project: **IoT and Heat Index Based Smart Switch Board Control** supervised by Md. Razon Chowdhury, Lecturer, Dept. of EEE, RUET (2020).
- Electronic shop Practice Lab Project: **IoT Based Smart Home Automation** supervised by Shadhon Chandra Mohonta, Assistant Professor, Dept. of EEE, RUET (2018).
- Electrical Shop Practice: **Water Level Indicator & Pump Controller** supervised by Md. Tarek Hossein, Assistant Professor, Dept. of EEE, RUET (2017).

## Technical Skills:

- **Expertise:** Microcontroller Based Programing, Circuit Simulation, PCB Designing, Power Electronics Based Projects, Troubleshooting Problems, and Microsoft Office Suite.
- **Simulation & Design Tools:** Proteus, Eagle CAD, Fritzing, Microwind2, and MATLAB / SIMULINK.
- **Programming Languages:** C, C++, Assembly, and Ladder logic.
- **Programming Software:** Atmel Studio, Arduino IDE, Code Blocks, MATLAB, EdSim51, and Delta WPLSoft.

## Language Proficiency:

Languages	Reading	Writing	Listening	Speaking
Bangla	Excellent	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent	Good

## Personal Information:

Name	: Md. Rafiul Islam	Sex	: Male
Father's name	: Md. Romjan Ali	Marital Status	: Single
Mother's name	: Mst. Rafeja Begum	Nationality	: Bangladeshi
Date of birth	: 12-07-1997	Religion	: Islam
National ID No.	: 3302844372	Blood Group	: A+

### Permanent Address:

Village : Balahoir  
Post Office : Niamatpur  
Post Code : 6520  
Police Station : Niamatpur  
District : Naogaon

### Present Address:

Village : Balahoir  
Post Office : Niamatpur  
Post Code : 6520  
Police Station : Niamatpur  
District : Naogaon

## References:

<b>Dr. Md. Shahidul Islam</b> Professor   Dept. of EEE   RUET ☎ +8801843-026702 ✉ siruet@gmail.com	<b>Dr. Md. Masud Rana</b> Professor   Dept. of EEE   RUET ☎ +8801724-550535 ✉ md.masud.rana.ruet@gmail.com
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## Declaration:

All the details mentioned above are true and correct to the best of my knowledge and beliefs.

*Rafiul*  
Signature

Jan 01, 2022  
Date