




PRIYANKA DAS DEWAN

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Profile Links

[LinkedIn](#) 
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Priyanka Das Dewan 

Education

Master of Science in Renewable Energy Technology

Institute of Energy, University of Dhaka [October, 2016 – April, 2018]

Final Grade: CGPA 3.81 out of 4 (Class position - 7th out of 90 graduate students)

Bachelor of Science in Electrical and Electronic Engineering

BRAC University [May, 2009 – April, 2013]

Final Grade: CGPA 3.60 out of 4 (Top 12% among the graduate students)

Higher Secondary Certificate

Siddheswari Girls' College [June, 2005 - July, 2007]

Final Grade: GPA 4.60 out of 5

Workshop & Seminars

Shamma, T., **Dewan, P. D.**, Abbas, A. & Mondol, R.(2012), “*Design & VLSI Implementation of High-Performance Face Recognition System*”. 1st Women in Engineering (WIE) Workshop of Electrical and Computer Engineering, BUET, Dhaka, Bangladesh: IEEE.

Biwas, S., **Dewan, P. D.**, “*Energy Efficiency Improvement CDM Project (POA) in the Brick Manufacturing Industry*”. 17th National Renewable Energy & Green Expo-2017 on Institute of Energy, University of Dhaka, Bangladesh.

Selected Project(s)

Project Name: Design & Development of Dust Level Detecting & Cleaning System of Solar PV Panel

Level: Master Thesis, Institute of Energy, University of Dhaka

Duration: 6 months

Details: The accumulation of dust on the surface of a photovoltaic module decreases the radiation reaching the solar cell and produces losses in the generated voltage and power. A prototype system was designed with Arduino IDE. Simulation results detected power loss due to dust accumulation.

Project Name: Design & VLSI Implementation of High- Performance Face Recognition System

Level: Undergraduate Thesis, BRAC University

Duration: 8 months

Details: Face recognition algorithm (Fast Fourier Transform) and BRAC university student's database was trained with MATLAB. FPGA board was chosen for hardware implementation.

Research Interests

Nano Technology, Power Electronics, Data Communications, Sustainable Development, Internet of Things

Standardized Test Score

International English Language Testing System (IELTS) – 10th December, 2020

Overall	Listening	Reading	Writing	Speaking
7	7.5	7	7	6.5

Professional Development

- **Crash Course on Python**
Offered by: Google • Coursera [January, 2021 – March, 2021]
- **The Data Scientist's Toolbox**
Course Instructor: Jeff Leek, PhD • Johns Hopkins University • Coursera [July, 2020 – September, 2020]

Work Experience

Assistant Engineer

Turbo Power Limited • Full Time [August, 2018 – Present]

- Worked with Project Manager to coordinate in energy auditing, development, design, and execution of a project named Micro – Scale Standard Solar PV Program of Activities (POA).
- Calculated load levels and material stress factors using RETScreen to identify design constraints.

Teaching Assistant

BRAC University • Part Time [October, 2019 – April, 2020]

- In conjunction with the course instructor, plan and implement the daily curriculum and activities of courses (PHY 110 and PHY 111).

Trainee Engineer

Turbo Power Limited • Full Time [March, 2015 – July, 2018]

- Maintained customer satisfaction by investigating concerns, communicating with the team and providing customer feedback.
- Supported in- house energy modelling team in developing technical and energy models.

Technical Skills

Engineering Software	AutoCAD	Pspice	Microwind	Quartus	Arduino IDE	RETScreen
Programming Software	MATLAB	JAVA	Python			

Affiliations

- Associate Member of Institute of Engineers, Bangladesh (IEB)
- Student Advisor at Dhaka University Research Society

Awards and Extra- Curricular Activities

- Awarded the prestigious Vice – Chancellor Award certificate for achieving GPA- 4.0 out of 4.0, BRAC University at Summer, 2010 and Fall, 2012.
- Awarded the prestigious Dean Award certificate for achieving GPA- 3.80 out of 4.0, BRAC University at Spring, 2012.
- Volunteering work in e-Asia International Conference 2011.

References

Name: Dr. Md. Habibur Rahman

Designation: Professor

Organization: Electrical & Electronic Engineering Department, University of Dhaka

Phone Number: +880-2-9661900/7361

Email: mhabib@du.ac.bd

Name: Abu Shahadat Md. Ibrahim

Designation: Assistant Professor

Organization: Institute of Energy, University of Dhaka

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