



Debasish Roy

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ABOUT ME

I am a student majoring in Nuclear Engineering looking forward to establish myself as an individual with skill, ability & creativity and also to serve in an organization of positive, dynamic and lively environment as a responsible individual with sincerity, honesty and professionalism.

WORK EXPERIENCE

Research Assistant

Department of Nuclear Engineering, University of Dhaka [6 Jul 2017 – 6 Aug 2018]

City: Dhaka

Country: Bangladesh

- Sample Collection
- sample preparation, Experiment setting
- Research data collection, analysis, report writing.

EDUCATION AND TRAINING

Training: Reactor Operation and Experiments Lab

Atomic Energy Research Establishment [20 Apr 2018 – 28 Apr 2018]

Address: 3787 Savar (Bangladesh)

Field(s) of study: 3 MWth TRIGA Mark-II research reactor

Starting up a Research Reactor, Operation Mode, Neutron Source, Controlling the control rod as well as Thermal Power, Neutron Activation Process (Center, Rabbit Hole) and Water Treatment plant facility.

Training: Industrial Training

Atomic Energy Centre [26 Mar 2018 – 10 Apr 2018]

Address: 1000 Dhaka (Bangladesh)

Instrumentation & Control of a Nuclear Power Plant, Role of IAEA, Safety and Safeguard analysis, Preventive maintenance (PM) activities.

Training: Industrial Training Fieldtrip

Shiddhirgonj 2x120MW Peaking Power Plant, EGCB [26 Apr 2017 – 27 Apr 2017]

Address: 1430 Shiddhirganj (Bangladesh)

Operation technique of thermal power plants, control procedure of a peaking power plant, Water Treatment Process, Cooling Facilities and Transformer operation system.

Training: Extension Field Trip

Ruppur Nuclear Power Plant [29 Mar 2017 – 29 Mar 2017]

Address: 6620 Pabna (Bangladesh)

<http://www.rooppurnpp.gov.bd/>

Construction of a Nuclear Power Plant Site, Nuclear Power Plant site facilities and Building up Public Awareness.

Secondary School Certificate (SSC)

Mymensing Zilla School

Address: 2200 Mymensingh (Bangladesh)

<http://mzs.edu.bd/>

Field(s) of study: Science

Final grade : 5.00 out of 5.00

Higher Secondary Certificate (HSC)

Govt. Ananda Mohon College [2 Aug 2012 – 13 Aug 2014]

Address: 2200 Mymensingh (Bangladesh)

<http://www.anandamohangovtcollege.edu.bd/>

Field(s) of study: Science

Final grade : 5.00 out of 5.00

B.Sc(Hons.) in Nuclear Engineering

University of Dhaka [17 Jan 2015 – 20 Nov 2019]

Address: 1000 Dhaka (Bangladesh)

www.du.ac.bd

Field(s) of study: Nuclear Engineering

Final grade : 2.89 on a scale of 4.00

Physics – (I & II), Fundamentals of Nuclear Physics, Differential and Integral Calculus, Fundamentals of Thermodynamics and Heat Transfers, Fundamentals of Electrical Engineering, Electronics – I (Analog Electronics), Electronics – II (Digital & Microprocessor), Electrical Power Transmission and Distributions, Nuclear Power Plant Design and Features, Introduction to Nanoscience and Nanotechnology, Reactor Theory and Analysis, Nuclear Fuel Cycle and Radioactive Waste Management, Engineering Mechanics, Nuclear Safety, Security and Safeguards Issues

M.Sc in Nuclear Engineering

University of Dhaka [1 Jan 2020 – Current]

Address: 1000 Dhaka (Bangladesh)

www.du.ac.bd

Field(s) of study: Nuclear Engineering

Application of Nuclear Technology, Nuclear Reactor Analysis, Advance Thermal Hydraulics, Plasma Physics of Fusion Energy, Nuclear Reactor Safety and Accident Analysis, Project and Risk Management, and Economics of Energy, Nuclear Energy Policy, Law and Liability, Radiological Environment Impact of Nuclear Facility

LANGUAGE SKILLS

Bengali : Mother tongue.

English

LISTENING: Good **READING:** Proficient **UNDERSTANDING:** Proficient **SPOKEN INTERACTION:** Good

Hindi : Conversational.

DIGITAL SKILLS

Basic C Programming / Microsoft Office / Power Point / Microsoft Excel / HTML / CSS / Bootstrap
GoogleDrive / Zoom / Organizational and planning skills / Good listener and communicator.

COMMUNICATION AND INTERPERSONAL SKILLS

Good skills of presentation

A patient listener and well-thought speaker

Oral and written presentation of clear concepts with confidence

Public speaking ability gained from organizational engagement

MANAGEMENT AND LEADERSHIP SKILLS

Member

Badhon (Blood Bank) Dhaka University

Member

Dhaka University Photographic Society

Organizing Secretary

Bangladesh Udichi Shilpigoshthi, Dhaka University Sangsaad

RECOMMENDATIONS

Assistant Professor

Name: Md. Jafor Dewan

Phone number: (+880) 1743376374

Email: dewan_jafor@du.ac.bd

Department of Nuclear Engineering

Faculty of Engineering and Technology

University of Dhaka, Dhaka-1000

Bangladesh

Senior Scientific Officer

Name: M.M. Mahfuz Siraz

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Health Physics Division, Atomic Energy

Center, Dhaka-1000

Bangladesh