

About:

Md. Jafor Ali is an enthusiastic technical member of the Department of Nuclear Engineering at Chittagong University of Engineering & Technology, renowned for his profound expertise and passion for Nuclear Engineering. With a focus on various advanced disciplines such as gamma spectrometry, radiation measurements, environmental radioactivity, and nuclear safety and security, he stands as a beacon of academic and research excellence in his field.

Having earned both his M.Sc. and B.Sc. degrees in Nuclear Engineering from the prestigious University of Dhaka, Bangladesh. His professional journey encompasses diverse experiences and training across various institutions. He has completed training at the Institute of Electronics, Bangladesh Atomic Research Establishment, focusing on the development of Artificial Environment Based on Microcontroller. Additionally, he has undertaken training on nuclear power plant simulation, including experiment analysis covering both normal and accidental operations, along with comprehensive project work on Emergency Preparedness & Response Plan for Rooppur Nuclear Power Plant. Moreover, Md. Jafor Ali has contributed significantly to research endeavors and furthered his skills on Office Application for Smart office. Proficient in computer office applications, data analysis software such as Xpert High Score for material identification, and analytical software like Origin Pro, he continually pushes the boundaries of nuclear science and technology through pioneering research and interdisciplinary collaboration.

Academic Information:

Institution Name	Degree	Division/Dept.	Passing Year
Border Guard Public Secondary School	S.S.C	Science	2014
Jessore Shikkha Board Model School and College	H.S.C	Science	2016
University of Dhaka	Bachelor's	Nuclear Engineering	2020
University of Dhaka	Master's	Nuclear Engineering	2022

Training:

Institution	Motive of the Training	Topic of the Training
Atomic Energy Research Establishment, Savar.	Industrial Training	Development of Artificial Environment Based on Microcontroller
Atomic Energy Commission, Dhaka	NPP Simulation	Experimental Analysis (different cases)
University of Dhaka (Institute of Information & Technology)	Smart Office Management	Office Application for Smart Office

Experiences and Activities:

- I have completed training at the Institute of Electronics, Atomic Energy Research Establishment, Savar on the topic of "Development of Artificial Environment Based on Microcontroller."
- I have completed a project on "Emergency Preparedness & Response Plan For Rooppur Nuclear Power Plant."
- In the field of nuclear applications, I have completed research at the graduate level on "Study of Environmental radiation and radioactivity on sand samples and associate health hazards collected from different locations of Gorai-Modhumoti river near Rooppur Nuclear Power Plant using Gamma-Ray spectrometry system."
- I have completed research at the postgraduate level on materials in the field of nuclear applications titled "Development of Yttrium-Tin and Yttrium-Titanium based Fluorite and Pyrochlore materials for Advanced Nuclear Applications" in both Bengali and English.
- Proficient in computer office applications and smart office skills.
- Proficiency in data analysis software Xpert High Score for material characterization.
- Proficiency in analytical software Origin Pro.
- Good communication skills (served as a class representative at the university).
- Served as President for one year in the Nuclear Engineering Hall community.
- Played a leading role in organizing all kinds of events in the department as a batch organizer for one year.