


Md Tanvir Ahmed

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 Md Tanvir Ahmed

Academic Credentials

- 2022- **Master of Science in Nuclear Engineering**, *Department of Nuclear Engineering, University of Dhaka, Dhaka, Bangladesh*,
CGPA: **3.98** out of 4.00
Class Rank: 1st
- 2017-2022 **Bachelor of Science in Nuclear Engineering**, *Department of Nuclear Engineering, University of Dhaka, Dhaka, Bangladesh*
CGPA: **3.91** out of 4.00
Class Rank: 2nd

Work Experience

- Nov 2023- **Lecturer**, Department of Nuclear Engineering, University of Dhaka, Dhaka-1000
- Jan'24 – Oct'24 **Sports Teacher**, Department of Nuclear Engineering, University of Dhaka, Dhaka-1000
- May 23-Jul' 23 **Seminar Librarian**, *Department of Nuclear Engineering, University of Dhaka, Dhaka-1000*
- Dec'19- Jan'20 **Undergraduate Industrial Trainee**, *Non-destructive Testing Division (NDT), Atomic Energy Center, Dhaka-1000*
During industrial training period numerous non-destructive testing methods namely Visual Inspection, Radiographic Testing, Dye Penetrating Testing, Ultrasonic Testing, Magnetic Particle Testing, Eddy Current Testing and Thermographic Testing had been taught.

Graduate Thesis

- Thesis Title **Annular fuel VVER 1000 reactor: Moderation Impact on Neutronic Behavior and Radiotoxicity Analysis of Spent Fuel**
Supervised by: Dr. Afroza Shelley

Undergraduate Thesis

- Thesis Title **Burnup Characteristics of Transuranic Fuel with Burnable Poison in Dual Cooled Annular Rod of VVER-1000**
Supervised by: Md. Hossain Sahadath

Academic Project

Project Title **Design & Development of Reactor Control System of a Typical 1000 MWe PWR Reactor**
Supervised by: Md. Hossain Sahadath

Technical Skills

Programming Language C, MATLAB, Python
Computation expertise OpenMC

Scholarships, Awards & Extra-curricular Activities

2022-23 National Science and Technology Fellowship-2022
Oct' 2022 IFIC research scholarship-2022
2022 Captain of Nuclear Engineering Cricket Team
Oct' 2022 Poster presentation: **Neutronic Analysis and Fuel Cycle Parameters of Dual Cooled Assembly of Transuranic-UO₂ Fuel**
Research and Publication Fair, University of Dhaka
2019-20 General Secretary of OKLO- Nuclear Engineering Hall Community
2019 Abdul Haque Munshi- Gulnahr Begum Memorial Scholarship
2018–2019
Nov' 2018 FABFEST-2018 organized by FABLAB DU.
2017 Member of Dhaka University Student Association of Chuadanga
2015 1st position in Social Science section of Creative Talent Search Competition-2015

Publication

International Journal **Ahmed, M. T., Sahadath, M. H., and Islam, M. A. (February 8, 2023). "Burnup Characteristics of Transuranic Fuel with Burnable Poison in Dual Cooled Annular Rod of VVER-1000." ASME. ASME J of Nuclear Rad Sci. July 2023; 9(3): 031501. <https://doi.org/10.1115/1.4055522>**