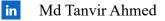
Md Tanvir Ahmed

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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

- May 2023- Seminar Librarian, Department of Nuclear Engineering, University of Dhaka, Dhaka-1000
- Dec'19- Jan'20Undergraduate Industrial Training, Non-destructive Testing
Division (NDT), Atomic Energy Center, Dhaka-1000During 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 TitleAnnular fuel VVER 1000 reactor: Moderation Impact on
Neutronic Behavior and Radiotoxicity Analysis of Spent Fuel
Supervised by: Dr. Afroza Shelley

Undergraduate Thesis

Thesis TitleBurnup 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 Computation expertise

C, C++, MATLAB, Python

Dragon, OpenMC

Scholarships, Awards & Extra-curricular Activities

- 2022-23 National Science and Technology Fellowship-2022
- Oct' 2022 IFIC research scholarship-2022
 - 2022 Assistant Captain of Nuclear Engineering Cricket Team
 - 2022 Vice President, Engineering Faculty, University of Dhaka, Bangladesh Student League
- 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- Gulnahar 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

InternationalAhmed, M. T., Sahadath, M. H., and Islam, M. A. (February 8, 2023).Journal"Burnup Characteristics of Transuranic Fuel with BurnablePoison 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