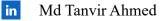
# Md Tanvir Ahmed

University of Dhaka Dhaka-1000, Bangladesh

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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: 1<sup>st</sup>
- 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: 2<sup>nd</sup>

## Work Experience

- May 2023- Seminar Librarian, Department of Nuclear Engineering, University of Dhaka, Dhaka-1000
- Dec'19- Jan'20Undergraduate Industrial Training, Non-destructive Testing<br/>Division (NDT), Atomic Energy Center, Dhaka-1000During industrial training period numerous non-destructive testing<br/>methods namely Visual Inspection, Radiographic Testing, Dye<br/>Penetrating Testing, Ultrasonic Testing, Magnetic Particle Testing,<br/>Eddy Current Testing and Thermographic Testing had been taught.

#### **Graduate Thesis**

Thesis TitleAnnular fuel VVER 1000 reactor: Moderation Impact on<br/>Neutronic Behavior and Radiotoxicity Analysis of Spent Fuel<br/>Supervised by: Dr. Afroza Shelley

#### Undergraduate Thesis

Thesis TitleBurnup Characteristics of Transuranic Fuel with Burnable<br/>Poison in Dual Cooled Annular Rod of VVER-1000<br/>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 1<sup>st</sup> 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