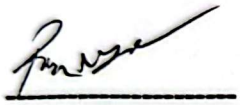
Candidate's Declaration

This is to certify that the work presented in this thesis, titled, "**Exergoeconomic Analysis and Multi Objective Optimization of a Nuclear Driven Integrated Cooling and Power Cycle using Response Surface Regression Modeling Coupled with Genetic Algorithm**", is the outcome of the investigation and research carried out by me under the supervision of **Dr. Mohammad Monjurul Ehsan** and **Dr. Md. Rezwanul Karim.**

It is also declared that neither this thesis nor any part of it has been submitted elsewhere for the award of any degree or diploma.



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Recommendation of the Thesis Supervisors

The thesis titled "**Exergoeconomic Analysis and Multi Objective Optimization of a Nuclear Driven Integrated Cooling and Power Cycle using Response Surface Regression Modeling Coupled with Genetic Algorithm**" submitted by **Azmain Rashid Raiyan**, Student No: **200011101** and **Samiuzzaman**; Student No: **200011133** has been accepted as satisfactory in partial fulfillment of the requirements for the degree of B Sc. in Mechanical Engineering **on 13th May, 2025.**

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