

Candidate's Declaration

This is to certify that the work presented in this thesis, titled, "Comparative Analysis of a novel Cascade Transcritical Carbon Dioxide cycle and Split Transcritical Carbon Dioxide cycle integrated with Advanced Absorption Refrigeration system.", is the outcome of the investigation and research carried out by me under the supervision of Dr. Mohammad Monjurul Ehsan, Professor, Department of Mechanical and Production Engineering, Islamic University of Technology .

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 "Comparative Analysis of a novel Cascade Transcritical Carbon Dioxide cycle and Split Transcritical Carbon Dioxide cycle integrated with Advanced Absorption Refrigeration system." submitted by Tahamid Arshil, Student No: 190012145 and Estiak Ahmed, Student No: 190011114 has been accepted as satisfactory in partial fulfillment of the requirements for the degree of B Sc. in Mechanical Engineering on 28th June, 2024.

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