

## RECOMMENDATION OF THE BOARD OF SUPERVISORS

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The thesis titled "Thermodynamic analysis of Supercritical CO<sub>2</sub> Partial Cooling Cycle integrated with two Organic Rankine Cycles" submitted by Md. Reduan Afroj Shakil, Student No:180011111 has been accepted as satisfactory in partial fulfillment of the requirements for the degree of B Sc. in Mechanical Engineering on 19<sup>th</sup> May, 2023.

## BOARD OF EXAMINERS

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(Supervisor)

### **Candidate's Declaration**

This is to certify that the work presented in this thesis, titled, "**Thermodynamic analysis of Supercritical CO<sub>2</sub> Partial Cooling Cycle integrated with two Organic Rankine Cycles**", is the outcome of the investigation and research carried out by me under the supervision of **Dr. Mohammad Monjurul Ehsan, Associate Professor, 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.

Reduan

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Md. Reduan Afroj Shakil

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