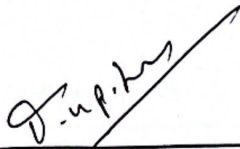


## CERTIFICATE OF RESEARCH

*This thesis titled "EFFECT OF MECHANICAL VIBRATIONS IN SAND CASTING OF ALUMINUM ALLOY USING ORGANIC BINDERS" was submitted by SAFAYET MAHMUD (170011003) and RAGIB ROWNAK (170011019) has been accepted as satisfactory in partial fulfillment of the requirement for the Degree of Bachelor of Science in Mechanical Engineering.*

***Supervisor***



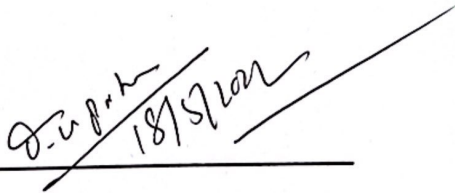
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## DECLARATION

*I hereby declare that this thesis entitled "EFFECT OF MECHANICAL VIBRATIONS IN SAND CASTING OF ALUMINUM ALLOY USING ORGANIC BINDERS" is an authentic report of our study carried out as a requirement for the award of degree B.Sc. (Mechanical Engineering) at Islamic University of Technology, Gazipur, Dhaka, under the supervision of [Prof. Dr. Md. Anayet Ullah Patwari], Professor, MPE, IUT in the year 2022*

*The matter embodied in this thesis has not been submitted in part or full to any other institute for award of any degree.*

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