

CERTIFICATE OF RESEARCH

This thesis titled "AUTONOMOUS PATH PLANNING OF UNMANNED AIR SYSTEMS USING COMPUTATIONAL METHODS AND OPTIMIZATION ALGORITHM" submitted by TAUSIFUL ISLAM (170011017), JAHIDUZZAMAN TANVIN (170011032) and MUHAMMAD SAMIN HASAN (170011043) has been accepted as satisfactory in partial fulfillment of the requirement for the Degree of Bachelor of Science in Mechanical Engineering.

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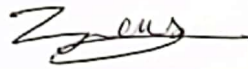
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DECLARATION

I hereby declare that this thesis entitled "AUTONOMOUS PATH PLANNING OF UNMANNED AIR SYSTEMS USING COMPUTATIONAL METHODS AND OPTIMIZATION ALGORITHM" is an authentic report of study carried out as requirement for the award of degree B.Sc. (Mechanical Engineering) at Islamic University of Technology, Gazipur, Dhaka, under the supervision of Dr. Mohammad Ahsan Habib, 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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