PROJECT APPROVAL

This is to certify that the thesis entitled "Macro-cell and Micro-cell Corrosion of Steel in Concrete with Different Interfacial Transition Zones (ITZ) and Variations of Seawater Concentrations" submitted by Maliha Mahjabin, Md. Zawad Rafid, Labiba Amin Parisa and Mozidun Nahar Lorin have been approved as partial fulfillment of the requirement for the Degree Bachelor of Science in Civil Engineering at the Islamic University of Technology (IUT).

Supervisor

Dr. Md. Tarek Uddin, P.Eng.

Professor

Department of Civil and Environmental Engineering (CEE)

Islamic University of Technology (IUT)

Board Bazar, Gazipur-1704, Bangladesh.

DECLARATION

We declare that the undergraduate research work described in this thesis was completed by us under the expert supervision of Professor Dr. Md. Tarek Uddin. We followed proper procedures to make sure the work is original and hasn't been copied from anywhere else. We've conducted our own research to ensure the originality of the information presented here.

Maliha Maljabin

MALIHA MAHJABIN Student ID: 190051212 MD. ZAWAD RAFID Student ID: 190051227

Md. 2awad Rafid

Labiba Amin_Parisa

LABIBA AMIN PARISA Student ID: 190051235 Mozidun Naharc

MOZIDUN NAHAR LORIN Student ID: 190051241