*Dedicated to*

*My beloved father Late Kshirananda Chutia*

# DECLARATION

I, Duranta Chutia, hereby declare that the work contained in the thesis entitled **"Weighted Estimates for Certain Maximal Functions and Integral Operators"** is a bonafide research undertaken by me, a student in the Department of Mathematical Sciences, Tezpur University, under the guidance of Dr. Rajib Haloi for the award of Doctor of Philosophy and that this work has not been submitted elsewhere for a degree.

Place: Tezpur

Date: November 03, 2021

(Revised on January 25, 2022)

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## CERTIFICATE OF THE SUPERVISOR

This is to certify that the thesis entitled **"Weighted Estimates for Certain Maximal Functions and Integral Operators"** submitted to the School of Sciences of Tezpur University in partial fulfillment for the award of the degree of Doctor of Philosophy in Mathematical Sciences is a record of research work carried out by **Mr. Duranta Chutia** under my supervision and guidance. All help received by him from various sources have been duly acknowledged.

No part of this thesis have been submitted elsewhere for award of any other degree.

Place: Tezpur

Date:

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