DECLARATION

I hereby certify that

- a. The research work presented in the thesis is original and has been done by myself under the general supervision of my supervisor.
- b. The work has not been submitted to any other Institute/University for any degree or diploma.
- c. I have followed the guidelines provided by the University in writing the thesis.
- d. I have conformed to the norms and guidelines given in the Ethical Code of Conduct of the University.
- e. Whenever I have used materials (data, theoretical analysis, and text) from other sources, I have given due credit to them by citing them in the text of the thesis and giving their details in the references.
- f. Whenever I have quoted written materials from other sources, I have put them under quotation marks and given due credit to the sources by citing them and giving required details in the references.

Soumen Kr. Das 06.02.2020

Soumen Kumar Das