

# INDIAN STATISTICAL INSTITUTE

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(Duly filled and signed form to be submitted by Research Fellow to the Ph.D./D.Sc. Cell)

**DECLARATION** (to be signed by the candidate)

I, Manobendra Nath Mondal, herewith submit the final version of my Ph.D. thesis (soft copy) titled:

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*Manobendra Nath Mondal*  
07-12-2023

Signature of the Research Fellow with date

*Susmita Sur-Kolay*  
07.12.2023

Signature of Supervisor with date

### CERTIFICATE FROM ISI LIBRARY

This is to certify that Mr./Ms. Manobendra Nath Mondal of Advanced Computing and Microelectronics Unit under Ph.D./D.Sc. Committee ( Computer Science ) has submitted a copy (soft) of his Ph.D. thesis for uploading in the Institutional Digital Repository (IDR) of ISI.

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