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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, Susanta Samanta, herewith submit the final version of my Ph.D. thesis (soft copy) titled:

Design and analysis of MDS and Near-MDS Matrices and their application to lightweight cryptography

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Susanta Samanta 07.12.23

Signature of the Research Fellow with date

Jishan Chand Gupta

07.12.2023

Signature of Supervisor with date

### CERTIFICATE FROM ISI LIBRARY

This is to certify that Mr./Ms. Susanta Samanta of ASU Unit under Ph.D./D.Sc. Committee (Statistics / Mathematics / Computer Science / Quantitative Economics / QR&OR) has submitted a copy (soft) of his/her Ph.D. thesis for uploading in the Institutional Digital Repository (IDR) of ISI.

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