

Certificate

This is to certify that the thesis entitled “**Elliptic Curve Cryptography based Techniques for Information and Network Security**” being submitted by **Mr. SK Hafizul Islam**, a Ph.D student (Reg. No. 2010DR0007) under the **INSPIRE Fellowship Ph.D program** (No. IF10247, funded by Department of Science and Technology, Govt. of India) in the Department of Computer Science and Engineering, Indian School of Mines, Dhanbad, Jharkhand - 826004, India, for the award of the degree of *Doctor of Philosophy in Computer Science and Engineering*, is an original research work carried out by him under my supervision and guidance. The thesis has fulfilled all the requirements as par the regulations of **Indian School of Mines, Dhanbad**, and in my opinion, has reached the standard needed for submission. The works, techniques and results presented in this thesis have not been submitted to any other University or Institute for the award of any other degree or diploma.

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