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**Certificate**

*This is to certify that the thesis entitled "An approach towards Design and Implementation of Symmetric Encryption Techniques" submitted by Sri Pawan Kumar Jha, who got his name registered on July 19, 2004 (Ref. No.: 168/Ph. D/Comp. Sc/1654(R)(04) dated 12.08.2004) for the award of Doctor of Philosophy (Ph.D) in Science of the University of North Bengal, is absolutely based upon his own work under my supervision and neither the thesis nor any part of it has been submitted for any degree/diploma or any other academic award anywhere before.*

  
DR. JYOTSNA KUMAR MANDAL

## Declaration

I hereby declare that neither the thesis nor any part thereof has been submitted for any degree what so ever

Pawan Kumar Jha.  
26-11-2006

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(Pawan Kumar Jha)

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