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Estd. 2015

Certificate

*This is to certify that the thesis entitled "**Techniques for DNA sequences compression and encryption**" submitted by Syed Mahamud Hossein for the award of Ph.D. Degree in Computer Science, Faculty of Science, Vidyasagar University, is a record of bonafide investigation carried out and completed by him under joint supervision of myself and Professor Debashis De, Department of Computer Science and Engineering, Moulana Abul Kalam Azad University of Technology. He has followed the rules and regulations as laid down by the University (Ph.D. Regulation, 2009). The results are original and have not been submitted anywhere for any other Degree or Diploma. The assistance, help and sources of information availed during the course of investigation have been duly acknowledged.*

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Date : 13.6.19

CERTIFICATE

This is to certify that the thesis entitled "TECHNIQUES FOR DNA SEQUENCE COMPRESSION AND ENCRYPTION" submitted by Syed Mahamud Hossein for the award of Ph.D. Degree in Computer Science, Faculty of Science, Vidyasagar University, is a record of bonafide investigation carried out and complete by him under joint supervision of Professor Debashis De, Department of Computer Science and Engineering, Maulana Abul Kalam Azad University of Technology, West Bengal and Dr.P.K.Das Mohapatra, Department of Microbiology, Raiganj University. He has followed the rules and regulations as laid down by the University (Ph.D. Regulation, 2009). The results are original and have not been submitted anywhere for any other Degree or Diploma. The assistance, help and sources of information availed during the course of investigation have been duly acknowledged.

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