



CERTIFICATE

I, **Vinod Jain**, hereby declare that the thesis entitled, “**Solving NP-Complete Problems Using Modified Genetic Algorithm Operators**”, submitted to MVN University, Palwal, in partial fulfillment of the requirement for the award of the Degree of **Doctor of Philosophy in the Computer and Information Science** is a record of original and independent research work done by me during 2013-2018. This thesis has been conducted under the supervision and guidance of **Dr. Jay Shankar Prasad**, Professor, Department of Computer Science Engineering, MVN University. It has not formed the basis for the award of any Degree/Diploma/Associate-ship/Fellowship or other similar title to any candidate of any university.

(Signature of Candidate) Vinod Jain

Date: 11-Jan-2019

Name: Vinod Jain

This is to certify that above statement made by the candidate is correct to the best of my knowledge.

(Signature of Supervisor) Dr. Jay Shankar Prasad

Dr. Jay Shankar Prasad
Professor (Supervisor)
Department of Computer and Information Science
MVN University, Palwal

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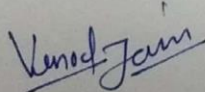
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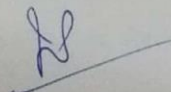
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(Research Scholar)

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