



# Jaypee Institute of Information Technology

(Declared Deemed to be University u/s 3 of the UGC Act)

July 04, 2019

This is to certify that **Mr. Himanshu Mittal**, Department of Computer Science & Engineering, Jaypee Institute of Information Technology, Noida, delivered a talk entitled "**Solving Travelling Salesman Problem Using Ant Colony Optimization**" on July 04, 2019 in the Faculty Development Program on "**Optimization Techniques and Applications**" conducted by the Department of Mathematics, Jaypee Institute of Information Technology, Noida, during July 01- July 06, 2019.

Alka Tripathi  
Prof. Alka Tripathi

Head,  
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Pankaj Srivastava  
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