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NEW DELHI-110062**

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## **CERTIFICATE**

On the basis of the declaration submitted by **Mr. Faiz Alvi (Enrolment No: 2020-550-002)** a student of **Master of Technology (Computer Science & Engineering)**, I hereby certify that the dissertation entitled "**A Comparative Analysis of Dynamic Virtual Machine Consolidation Techniques to Minimize Unwanted Migrations**" being submitted to the Department of Computer Science & Engineering, Jamia Hamdard, New Delhi in partial fulfillment of the requirement for the award of the degree of **Master of Technology (Computer Science & Engineering)** is carried out by him under my supervision.

**Dr. Imran Hussain  
(co- Supervisor)**

**Dr. Farheen Siddiqui  
(Supervisor)**

**Dr. Farheen Siddiqui  
Head, Department of CS**