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dated 10.5.1989 of the Government of India)*

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NEW DELHI-110062

Accredited by NAAC in 'A' Category

CERTIFICATE

On the basis of the declaration submitted by **Mr. Ahmed Kawsar Laskar** (Enrolment No: 2020-549-002) a student of **M.Tech Computer Science and Engineering with Specialization in Cyber Forensics & Information Security**, I hereby certify that the dissertation entitled "**Shilling Attacks on Recommender System: A Critical Analysis**" 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 **M.Tech Computer Science and Engineering with Specialization in Cyber Forensics & Information Security**, is carried out by him under my supervision.

Dr. Jawed Ahmed

(Supervisor)

Dr. Farheen Siddiqui
Head, Department of CSE