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(Hamdard University)

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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. Inderpal Singh (Enrollment No: 2018-333-020)** a student of **B. Tech (Electronics and Communication Engineering)**, I hereby certify that the dissertation entitled "**Real-time Sign Language to Text using Machine Learning in Python**" 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 B. Tech (Electronics and Communication Engineering) is carried out by him under my supervision.

Mr. Zeeshan Ali Haq
(Supervisor)

Dr. Farheen Siddique
Head, Department of SEST