

**SWAMI VIVEKANANDA INSTITUTE  
OF  
MODERN SCIENCE**



Affiliated to Maulana Abul Kalam Azad University of Technology, WB  
Sonarpur Station Road, Karbala, P.O. - Narendrapur, P.S. - Sonarpur, Kolkata-700103

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**TO WHOM IT MAY CONCERN**

*This is to certify that the project entitled "Identification of deleterious mutations in NS1 protein of Influenza A (H3N2) virus" with reference to Swami Vivekananda Institute of Modern Science, Sonarpur, Kolkata-700103 is submitted by SHRUTI BARNWAL [3<sup>rd</sup> year, 2<sup>nd</sup> semester, registration no. 202642408410033 year 2020-21, roll no. 26408420006] under the Department of Microbiology for the partial fulfilment of the degree of B.Sc(H) Microbiology, under Maulana Abul Kalam Azad University of Technology, WB, embodies the work has been done by her under our supervision.*

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