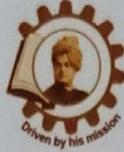


SWAMI VIVEKANANDA INSTITUTE  
OF  
MODERN SCIENCE



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

TO WHOM IT MAY CONCERN

This is to certify that the project entitled "Evaluation of a new glass slide method of Biofilm testing in Uropathogens and its comparison with test-tube method" with reference to Swami Vivekananda Institute of Modern Science, Sonarpur, Kolkata-700103 is submitted by Madhurima Biswas [2<sup>nd</sup> year, 2<sup>nd</sup> semester, registration no. 212641899210013 year 2021-22, roll no. 26499221020] under the Department of Biotechnology for the partial fulfilment of the degree of M.Sc Biotechnology, under Maulana Abul Kalam Azad University of Technology, WB, embodies the work has been done by her under our supervision.

*G. Gupta*

Prof. Gargi Gupta  
(Vice-Principal)  
SVIMS

*Md. Gulam Jilani*

Prof. Md. Gulam Jilani  
(Internal Project Guide)  
Department of Biotechnology  
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*N. Nath*

Prof. (Dr.) Nilanjana Bhattacharyya Nath  
(Head of the Department)  
Department of Biotechnology  
SVIMS

Date:  
Place: Kolkata





**All India Institute of Hygiene and Public health**

**Kolkata**

**CERTIFICATE FROM THE GUIDE**

This is to certify that the study entitled “**Evaluation of a new glass slide method of Biofilm testing in Uropathogens and its comparison with test-tube method**” submitted by **Madhurima Biswas** under my supervision and guidance be accepted as fulfilling this part of the requirements for the award of Degree of Master of Science in Biotechnology. This project work done by her under my supervision in three months duration which ended in May 2023. To the best of my knowledge, neither this study nor any part of this study has been submitted for the award of any other degree or diploma in any other university and it is the original work of the candidates.

Date: 25/05/23

Place: Kolkata

*Sayan Bhattacharyya*

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