

CERTIFICATE

It is certified that the summer research work included in the project report entitled "*Synthesis of Norbornene-Based Dopamine Derivatives as New Potential Antibacterial Agent*" has been carried out by **Mr. Akshay Janglu Ingle** under my supervision and guidance. The content of this project report has not been submitted elsewhere for the award of any academic and professional degree.

August 9th, 2023

IISER Kolkata



Signature of Supervisor

(Dr. Raja Shunmugam)

Project Supervisor

RAJA SHUNMUGAM Ph.D.
PROFESSOR
Polymer Research Centre (PRC)
Centre for Advanced Functional Materials (CAFM)
Department of Chemical Sciences
Indian Institute of Science Education and Research Kolkata
Mohanpur - 741246