



**INDIAN INSTITUTE OF TECHNOLOGY KANPUR**  
**Office of Outreach Activities**  
**SURGE Program**



Date: 04/07/2025

**CERTIFICATE**

This is to certify that the project entitled '**Physics-Informed Neural Network for Low-Reynold-Number Flow Around a Cylinder**' submitted by **Mr. Yash Upadhyay** as a part of Students- Undergraduate Research Graduate Excellence 2025 offered by the Indian Institute of Technology, Kanpur, is a bonafide record of the work done by him/her under my guidance and supervision at the Indian Institute of Technology, Kanpur.

**Mentor's Name: Prof. Indranil Saha Dalal**  
**Department: Chemical Engineering**  
**Indian Institute of Technology, Kanpur**

**Mentor's Signature**