



# Savitribai Phule Pune University

## DEPARTMENT OF MATHEMATICS

### Certificate

This is to certify that .....Shivam Shakya..... from Department of Mathematics,  
Savitribai Phule Pune University, Pune... has participated and secured .....First..... rank in  
**HACKATHON on Vibration Signal Processing** organized jointly by the Department of  
Mathematics, Savitribai Phule Pune University, Indian Academy of Industrial & Applicable  
Mathematics, Pune and Bhaskaracharya Pratishthan, Pune during March 11 to April 27, 2023.

**Vinayak Joshi**  
Professor & Head,  
Department of Mathematics, SPPU

**S. A. Katre**  
President,  
IAIAM, Pune

**A. V. Deshmukh**  
Treasurer,  
IAIAM, Pune

**S. A. Kandekar**  
Co-ordinator