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CERTIFICATE

This is to certify that the thesis titled “**Signal Processing Framework for Automatic Fault Diagnosis of Bearings Using Vibration and Sound Signals**” submitted by **Mr. Jahagirdar Ankush Chandrakant**, ID No. **2016PHXF0202P** for award of Ph.D. of the Institute embodies original work done by him under my supervision.

Signature of the Supervisor

Name: **Prof. Karunesh Kumar Gupta**

Designation: **Associate Professor**

Date:



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