

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
BELAGAVI, KARNATAKA, INDIA**



**Ph.D. THESIS ON**

**WAVELET ANALYSIS OF VIBRATION SIGNAL FOR FAULT  
DIAGNOSIS OF ROLLING ELEMENT BEARING**

Submitted for the award of the degree of

**DOCTOR OF PHILOSOPHY  
IN  
MECHANICAL ENGINEERING**

by

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### **Certificate**

Certified that the thesis work entitled *Wavelet Analysis of Vibration signal for Fault Diagnosis of Rolling Element Bearing* carried out by me **Mr. Kumar H. S.** USN: 4NM11PMM04 a bonafied student of NMAM Institute of Technology in partial fulfilment for the award of **DOCTOR OF PHILOSOPHY in Mechanical Engineering** of Visvesvaraya Technological University, Belagavi during the year 2011-2016. To the best of my knowledge, the work reported in the thesis has not been submitted by me elsewhere for the award of the degree and is not the repetition of the work carried out by others.

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