

**Name:** Dr.Haribhau Ganpat Phakatkar

**Designation**

Eminent professor

**Contact Details:**

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**Educational Qualifications:**

- Ph.D. (Mechanical ) College of Engineering(COEP),SPPU, Pune, 2019
- M.E. (Mechanical – Design Engineering), College of Engineering (COEP),University of Pune, 1993
- B.E. (Mechanical Engineering), College of Engineering (COEP),University of Pune, 1982
- ISO 9000: Qualified Lead Assessor, Alan Griffin Associates, UK,1993

**Experience:**

- Teaching: 34 Years
- Administrative: 13 Years
- Industry: 3 Years

**Research Interests:**

- Machine Drawing & Computer Graphics
- Design Engineering
- Theory of Machines and Mechanisms

**Research Projects:**

**Title:** “Fatigue Design Analysis of Spiral Arm Flexure Bearing”

**Patents: (Details)**

- Patent Application No. 1445/MUM/2005 dated 21st Nov.2005 on “Production of Paraboloidal Surfaces” Inventors- – Katariya Abhilasha, Honrao Manasi, Phakatkar Haribahu.
- Patent Application No. 3481/MUM/2014 dated 5th Nov. 2014 on “Damper with Variable Orifice for Automobile Suspension” Inventors – Anirban Mitra, Arindam Ghosh, Ashutosh Bansode, Priyanka Anantha, Haribhau Phakatkar, Nilotpal Banerjee

### **Consultancy offered:**

- “Shock Design Calculations & Balancing Analysis of Reciprocating Compressors” Consultancy to M/S Alfa Laval Ltd., Pune 1988-89
- Preparation of Training Module & Training on “Reading of Piping Drawings” to M/S Thermax Ltd., Pune 1997-98
- Training on “Theory of Machines” to R&D officers of M/S Mahindra & Mahindra Ltd., Nashik Oct-Dec 2003
- “Design Validation for Bridges” Consultancy to M/S Forbes Marshall Ltd., Pune Feb. 2004
- “Design & Fabrication of an Instrumentation system for Wind Ventilator” Consultancy to M/S SHRIJEE Heavy Projects Works Ltd., Mumbai May 2005
- Training on “Basics of Mechanical Vibrations” to Engineers of M/S Suzlon Energy Ltd., Pune 2005
- Training on “Geometrical & Dimensioning Techniques” to Engineers of M/S Kirloskar Pneumatic Co. Ltd., Pune 2015-16

### **Number of Publications:**

- International Journal: 11
- International Conference: 04
- National Conference:03

### **Books Published/ Book Chapters:**

- 1 Engineering Graphics : H.G.Phakatkar, Nirali Prakashan , Pune
- 2 Theory of Machines – I : H.G.Phakatkar, Nirali Prakashan , Pune
- 3 Theory of Machines – II : H.G.Phakatkar, Nirali Prakashan , Pune
- 4 Dynamics of Machinery : H.G.Phakatkar, Abha Computech , Pune
- 5 Tribology : R.R. Ghorpade, H.G.Phakatkar, Nirali Prakashan, Pune

### **Professional Society Memberships:**

- Indian society of Technical Education (ISTE) – LM 10500(Life Member)
- A.S.M.E., USA-8285421
- SAEINDIA- Western Section-7130512144

### **Number of PG Students Guided: 40+**

### **Recognition/ Awards:**

- Founder Faculty of V.I.T. & handled various coordinating activities in the initial development period of V.I.T. Pune. Management of V.I.T. felicitated by offering “Sanman Chinha” during the first celebration of VIT’s Foundation Day 1 st Sept.2004

- “Forbes Marshall Outstanding Project Award” for Final Year Project–received 5 times to 5 different UG Project Groups 2004,2005,2007, 2008 &2009
- “SAE Most Outstanding Project Award”received 2 times to 2 different UG ProjectGroups 2004 & 2005
- VIT’s First Patent filed based on the UG Project, Patent Application No. 1445/MUM/2005 dated 21st Nov.2005. on “ Production of Paraboloidal Surfaces” 2005
- Cash Award of Rs. 30000/- and Felicitation on Foundation Day of VIT for Publishing 4Text Books for Engineering students 1 st Sept.2005
- Cash Award of Rs. 11000/- and “VIT Shree Award” for Well Appraised Teacher of VIT and Felicitation on Foundation Day of VIT based on teaching performance during academic year 2013-14. 1 st Sept.2014
- Cash Award of Rs. 11000/- and “VIT Shree Award” for Well Appraised Teacher of VIT and Felicitation on Foundation Day of VIT based on teaching performance during academic year 2014-15. 1 st Sept.2015
- Cash Award of Rs. 11000/- and “VIT Shree Award” for Excellent Contribution in Administration of VIT and Felicitation on Foundation Day of VIT. 1 st Sept.2015

**Number of FDPs / STTPs attended:** 06

**Number of Conferences / Seminars attended:** 02

**Number of Online Certification Courses done:** 01

**Major Portfolios Handled: (college level and department level)**

- Head of Mech. Engg. Deptt. 23th Sept 2003 to 13th Feb. 2006
- M.R. ISO 9001 Activities (First Time ISO Certification to VIT, Pune) 1 st Feb. 2007 to 30th Nov. 2010
- Dean - Quality Assurance 1st July 2008 to 30th Nov. 2010
- Dean - Administration & Registrar 1st Dec. 2010 to 24th Jan. 2012
- Head of Mech. Engg. Deptt. & Chairman Board of Studies (Mech. Engg.) 16th Dec. 2012 to 27th Jan. 2016
- Chairman ISTE (VIT Chapter) Aug. 2003 to Aug. 2005 7 Officer In-charge Library 2005 to 2009
- Member of Local Management Committee 2011-2012
- 14 Major Contribution for design of Career Advancement Scheme (CAS) of Non-Teaching Staff of VIT, Pune 2011-2012
- Active Participation in VIT-Binghamton(USA) Partnership 2012-2016

**Role in University Bodies**

- Chairmen and Paper setter for SPPU examination.
- MEMBER OF L.I.C. PANEL appointed by Savitribai Phule Pune University, Pune.
- DATA AUDITOR TEQIP-II appointed by SPFU, Govt. of Maharashtra for the Government Engineering College, Aurangabad from 2013 to 2016.