



Varuna Reddy. P

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Education:

B.E., Mechanical Engineering	S.V.U College of Engineering, Tirupati	Year 1975
D.I.I.T., Industrial Tribology (AM)	I.I.T Madras	Year 1977
Ph.D., Turbine Blade Vibrations (Mech)	I.I.T Delhi	Year 1986

Memberships of Engineering Professional Bodies:

1. American Society of Mechanical Engineers- M-ASME	Member - since year 1995
2. Institute of Mechanical Engineers-FIMechE-London	Fellow- since year 2012
3. Chartered Engineer-C.Eng- London	C. Eng- since year 2012
4. Biographical Society of Cambridge-FBSC -London	Fellow- since year 1998
5. Institute of Engineers (India) -FIE(I)	Life Fellow- since year1992
6. Chartered Engineer- C.Eng- India	C. Eng- since year 1992
7. Indian Institute of Plant Engineers - FIPE-	Life Fellow-since year 2018
8. Indian Technology Congress Association -FITCA	Fellow- since year 2019
9. Society of Automobile Engineers (India)-M-SAE	Member-since year 2008
10. Tribology Society of India- LM-TSI	Life Mem -since year 2004
11. Association of Machines and Mechanisms-LM-AMM	Life Mem-since year 1982
12. Acoustical Society of India -LM-NASI	Life Mem- Since year 2004

With over 40 years of his rich Industrial experience of National and International and out of which about 6 years in Power sector (NTPC, Suzlon Wind Energy), 17 years in Automobile R&D, 13 years in Energy sectors (Oil & Gas, Petrochemical, EPC) and about 5.6 years in Academic that includes 3.6 years in IIT Delhi, hold positions as Vice President, Associate Vice President, Technical Advisor/Subject Matter Expert, and Adjunct Professor respectively. His Leadership and Technical skillsets had enriched the prospectus of organizations where he had worked by timely delivering constructive results in his core Competency, Expertise and Functional areas of excellence i.e., Rotordynamics, Tribology, Turbine Blade Dynamics, Vibrations and Noise Analysis, OEM product design reviews, Experimental Fatigue & Dynamic Studies of Structural

elements, Failure Root Cause Analysis and Remedial solutions, Trouble Shooting and Machinery Fault Diagnosis, Product Engineering and Development, Project Management, Reliability Engineering & Product Zero Defect Initiatives, Technical Auditing in all those three sectors of Industry. With regards to academic, was a founder member of ITMMEC Center (Industrial Tribology, Machine Dynamics and Maintenance Engineering Center), IIT Delhi, way back years 1977-1981, was a visiting faculty for IIT Madras to teach NVH and Guide Industrial sponsored Automobile M.Tech students and as well to Automotive Research Association of India, Pune. Besides his Technical, Managerial and Admin roles in the Industry used to have self KPI for training and development of Engineers in his core competence areas with an objective of employee's career growth and for their long term retention to meet future challenges and goals set by the organization. It's noteworthy to mention that his employment career started with IIT Delhi way back year Oct 1977 to May 1981 as Senior Research Assistant in ITMMEC Center to carry out various research activities in Turbine Blade Vibrations, Design and Development of Experimental set-ups and Machine Dynamics Lab Development etc., ends up year 2017 to 2019 as Adjunct Professor- Mechanical Engineering Dept., Vasavi College of Engineering of Osmania University, Hyderabad, Telangana (state), India. Presently he is a **Founder & President for "Machinery Fault Diagnosis Consulting Company" since Dec 2019**

The immediate past job where he worked was in M/S Petrofac from March 2009 to Nov 2016, a British based EPC-Oil and Gas Up-stream company having business operations at Sharjah, UAE with Backlog of USA \$ 14.3B, Revenue of about USA \$ 7.8B, EBITDA USA\$ 706M, Profit of about USA \$460 Million as on Dec 31st 2016 with an employment of about 13000, stands a first rank EPC company with highest reputation in UAE and handling businesses in 20 countries.

Honors & awards:

He actively involved in National and International professional bodies and especially **International Tribology Division-ASME** coordination committee, represented **Venezuelan country** during the years 1995-1999 and "**Standing ASME Tribology Education Committee-Industry**" representation for the years 1997-1999. Also he obtained the honors of professional recognition from **Marquis, USA** by publishing his biographical data in their 4th edition year 1998 **Who's Who in Science and Engineering, Finance and Industry, Who's Who in the World**. Also he obtained "**2000 outstanding scientists of the 20th century award**" from International Biographical Centre-Cambridge, England. He was a Fellow Biographical Institute of Cambridge, year 1998. He was also responsible for the formation of "Comite de Tribologia Interfilial" PDVSA (Petroleum de Venezuela -SA, Ministry of Energy), Venezuela and its advisor right from its inception till 1999. Received **I.O.D Golden Peacock Eco-Innovation award-2004** at the hands of Mr. Kapil Sibal, Union minister for Dept., of Science and Technology, New Delhi on August 20th 2004 for the design & development of the first 250KW Eco-friendly silent Diesel Engine Power Genset meeting CPCB norms of Govt., of India and the same was dedicated to the Nation by then the President of India Dr Abdul Kalam on Centenary celebration of Sri HLRK, in the year 2005. He received "**Great minds of the 21st century Proclamation**" from American Biographical Institute Inc., (ABI) USA in March 2009.

Academic-Excellences:

He has given several invited lectures organized by Gov.,R&D Institutes, Academia and professional institutes in his core competence areas of Vibrations, Rotordynamics, Turbine Blade Dynamics, Structural Dynamics -Mech, Machinery Fault Finding & Diagnosis, Trouble Shooting & Failure Root Cause Analysis, Tribology, NVH, Design for Six Sigma (DFSS) quality management system for Zero Defective Initiative (ZDI) for top 10 warranty items of a product. He was also actively involved in Bi-Annually SAE international Conferences organized by ARAI in its Editorial Committee, Best Research paper awarding judgment committee. Besides this,he also actively involved in ARAI as Advisory committee member for spending Govt., funds for the development of Power-line lab and NVH lab. He guided several M.Tech and B.Tech Students to complete their final year projects. To his credit, having eighteen research publications in national and international journals and also read several papers in International conferences. Presently he is an active Member Board of Studies, Sri Padmavathi Mahila University Engineering College, Tirupati, since 2020