



**Dr. Ing. B. V. A Rao** FNAE., FIE.,  
Prof (retd), IIT Madras & President,  
Hymamshu Jyothi Kala Peetha,  
Malleswaram, Bengaluru – 55

**Dr. B. V. A. Rao**, an academican with 5 decades of teaching experience in the specialized areas related to **Mechanical Engineering, I.C. Engines & Automobiles, Vibration & Noise Engineering, Industrial Tribology, Condition Based Maintenance & Diagnostics, International Relations & Higher Education**, is serving currently as **Chairman, Indian Institution of Plant Engineers (Karnataka Chapter)** involved in Advanced Maintenance practices in the industries. He has to his credit conduct of several workshops & conferences including running a post graduate program on Maintenance Engineering & Management at IIT Madras since 1974 till his retirement there in 1993.

|                                    |   |  |
|------------------------------------|---|--|
| Ph.D. Mechanical Engineering       | – | Technical University Dresden, 1961 (Dr. Ing)         |
| Master of Engineering (M.E Mech)   | – | Indian Institute of Science, 1958 (with Distinction) |
| Bachelor of Engineering (B.E Mech) | – | Bangalore University, 1956 (with First Class)        |
| Bachelor of Science (PCM)          | – | Bangalore University, 1952 (with Gold Medal)         |

After serving both at **IIT Bombay** and **IIT Madras** for 32 years, he worked at Private Institutions for 5 years at **MVIT** in Bangalore as Dean, for 13 years at **VIT University, Vellore** as its **Pro-Chancellor** and later as **Director, International Relations**. In that capacity at VIT, he was instrumental in establishing large number of Memorandums with Foreign Universities with many advanced countries, both for student & faculty exchange as well as implementing Twinning programs. He was one of the pioneer to introduce **international accreditations** at VIT University and also served as **Advisor to Chancellor**. Later he served for two years as **Advisor International Relations** at **KL University, Vijayawada (AP)**.

At **IIT Madras**, he was largely responsible in establishing the Machine Dynamics laboratory at IIT. He has guided many students pursuing Post-Graduate and Doctoral Programmes of various Universities. He was a Post-doctoral fellow under **Humboldt Foundation, Germany** and spent two years in all at Technical Universities in **Karlsruhe (1968), Berlin (1979) & Hamburg (1992)**. He was also a post doctoral fellow at the **Eindhoven University of Technology**, The Netherlands for one year for Maintenance Management studies and a visiting faculty at the **National University of Singapore, Singapore** for two years (1982-84). Dr. Rao has presented and published around 200 papers, both in national and international Journals & conferences including guiding 20 PhDs. His academic contributions received recognition by the **Indian National Academy of Engineering** and conferred on him the **Fellowship of INAE** in the year 1988. He is currently a member of the section on **Engineering Education** of INAE. He is also representing the Institution of Engineers (India) on the Governing Council of INAE.

Dr. Rao's works were close to industrial needs of the day and assisted Aerospace, Atomic Energy, Oil & Natural Gas, Defence, Electrical Utilities and many Manufacturing Industries in some of their major requirements. Through his interaction with many professional societies such as Plant Engineers, Fluid Power, Machines and Mechanisms, Tribology, and Acoustics he has extensively conducted training programmes, workshops, seminars & conferences of international standing. He also held senior positions in some of these Societies as **President, National secretary** etc., He was also rewarded by both the Institution of Engineers (India) and the Acoustical Society of India on several occasions through his contributed Best papers. He received the **Best Engineer Award** from the **Institution of Engineers in 2004** and the **Stanley Ehrlich Gold Medal** from the **Acoustical Foundation**, a patronized Society of the **Acoustical Society of America**. He is also the recipient of Import substitution and Invention Awards by the **NRDC, Government of India** in 1973 & 1978

Dr. Rao has served in various prestigious positions as a member of the **Central Pollution Control Board for Noise Legislations**, Project Advisory Committee member of the DST for **Mechanical and Civil Sciences, Administrative Reforms & Renewable Energy Committees** of CPRI, Bangalore, Member of **National Board of Accreditation** and a few other Academic Bodies of Technical Institutions in the country. Dr. Rao was conferred with the '**Golden Doctorate**' from **TU Dresden in 2011** for his continued academic service and contributions and completion of **fifty years** of his PhD in 1961. He has contributed to two separate **Monographs, one on Vibration Analysis & Control and the other on Acoustics & Noise Control**, useful to both academic and the Industry. Two more, one on **Tribology of Bearings & Lubricants** and the other on **Machine Diagnostics & Condition Monitoring** by him are under preparation.

Besides, he is also heading a 75 year old Institution **Hymamshu Jyothi Kala Peetha** in Bangalore as its **President**, which covers from Pre Primary Child Education up to Pre-University. He is also the **Chairman of the Indian Montessori Centre** involved in the training of Montessori Teachers & Trainers. **His current interests are promoting innovation and future engineers & engineering.**