

## Bio-data



**Dr. R. Venkata Rao**

1. **Name** : Dr. R. VENKATA RAO
2. **Father's Name** : Shri R.L. Narayana
3. **Date and Place of Birth** : 04-07-1967; Andhra Pradesh, India
4. **Nationality** : Indian
5. **Present Postal Address/Tel.No./Fax No./E-mail:**

**Dr. R. Venkata Rao**

**Professor, Department of Mechanical Engineering**

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6. **Educational Qualifications** :

<b>Degree</b>	<b>Division/Grade</b>	<b>Year</b>	<b>Subjects Taken</b>	<b>Name of the University/Institute</b>
B. Tech. (Mech. Engg.)	First Class with Distinction (79.3%)	1988	Mechanical Engg.	Nagarjuna University, A.P.
M. Tech. (Mech. Engg.)	CGPA=9.23/10	1991	Production Engineering Specialization	Banaras Hindu University, Varanasi, U.P.
Ph.D.	Degree was Awarded	2002	Mechanical Engineering	B.I.T.S., Pilani, Rajasthan (Under the sole guidance of Dr O.P. Gandhi of IIT Delhi)

## 7. Professional Experience :

<b>Address of the Institution</b>	<b>Post Held</b>	<b>Duration</b>	<b>Nature of Experience</b>
Sant Longowal Institute of Engg. & Technology, Longowal, Punjab <b>(Government of India's Institution)</b>	Lecturer	5 ½ years (1991 to 1996)	(i) Taught courses to the students of B.Tech. (Mech. & Production Engg) (ii) Coordinated the industrial training programs of the undergraduate students
Beant College of Engg. & Technology, Gurdaspur, Punjab <b>(Punjab State Government's College)</b>	Asst. Professor	7 years (1996 to 2003)	(i) Taught courses to the students of B.Tech. (Mech. & Production Engg) & M.Tech. (Production Engg.) programs (ii) Conducted Research at PG Level (iii) Administrative works
Kumaraguru College of Technology (KCT), Coimbatore, Tamilnadu	Professor & Head	2 Years (2003 to 2005)	(i) Taught courses to the students of M.Tech. (Industrial Engg.) and M.Tech. (CAD/CAM) programs (ii) Conducted Research at PG and Ph.D. Levels (iii) Administrative works
Shri Mata Vaishno Devi <b>University</b> , Kakrial, J&K	Professor & Dean	1 ½ years (2005 to 2006)	(i) Taught courses to the students of M.Tech. (Energy Management) (ii) Conducted Research at PG and Ph.D. Levels (iii) Administrative works
Sardar Vallabhbhai National Institute of Technology (SV NIT) Surat <b>(Government of India's Institution of National Importance)</b>	Professor (Completed a term of 3 years as Head of the Dept.)	Since November 2006	(i) Teaching courses to the UG, PG and Ph.D. students (ii) Conducting Research at PG and Ph.D. Levels (iii) Administrative works

**Deputed by the Ministry of Human Resource Development (MHRD), India to Asian Institute of Technology, Bangkok, Thailand as a "Visiting Professor" for a term of 16 weeks in 2008.**

## **8. Countries Visited:**

Hong Kong, Czech Republic, Russia, Thailand, Germany, Singapore and South Korea

## **9. Current research interests:**

- Traditional and non-traditional optimization methods
- Fuzzy decision making in the manufacturing environment
- Concurrent Engineering, DFMA, life cycle design of products, etc.
- Advanced Manufacturing Technology
- CAD/CAM/FMS/CIMS
- Sustainable manufacturing

## **10. Awards:**

- Received 'Meritorious Award' from IIAS Canada for innovative research work in 2008
- Received ISTE-SGSITS National Award for the year 2001 for "Best Research Work Done"
- Received 'Best Research Paper Award' of IIIE Journal, India for 2006
- Received two 'Best Research Paper Awards' during the International Conference on Advances in Mechanical Engineering (ICAME 2008) held at SVNIT Surat during 15-17 December 2008
- Received Gold Medal for B. Tech. Studies
- Topped throughout the academic career during studies and received merit scholarships by the State Govt. of A. P., India

## **11. Research Publications : 165 (as of January 2010)**

(A) International Journals	:	45
(B) National Journals	:	18
(B) International Conferences	:	57
(C) National Conferences	:	45

## **12. Books Published:**

- **Book Published by Springer Verlag, UK:**

Decision Making in the Manufacturing Environment Using Graph theory and Fuzzy Multiple Attribute Decision Making Methods, Springer-Verlag London, UK, June 2007.

- **Book Accepted for Publication by Springer Verlag, UK:**

Advanced Modeling and Optimization of Manufacturing Processes: International Research and Development

- **Book Chapters published by Nova Science, USA**

1. Multi-objective optimization of multi-pass milling process parameters using artificial bee colony algorithm. Artificial Intelligence in Manufacturing, Nova Science Publishers, USA
2. Process parameter optimization of advanced finishing processes using PSO and SA algorithms. Artificial Intelligence in Manufacturing, Nova Science Publishers, USA

- **Books Published by Indian Publishers:**

1. Fundamentals of Machining and Machine Tools. S.K.Kataria and Sons Publishers, New Delhi, 1997.
2. Metal Cutting and Machine Tools. S.K.Kataria and Sons Publishers, New Delhi, 1998.
3. Design and Manufacturing. S.K.Kataria and Sons Publishers, New Delhi, 1998.

### **13. Conferences conducted:**

#### *National Conferences:*

- National Conference on “**Environmentally Conscious Design and Manufacturing**” (23-24 July 2004)
- National Conference on “**Emerging Trends in Mechanical Engineering**” during 4-5 June 2007
- National Conference on “**Recent Trends in Design and Manufacturing Technologies**” (17-18 March 2005)

#### *International Conferences:*

- International Conference on **Advances in Mechanical Engineering** (ICAME 2008) held at SVNIT Surat during 15-17 December 2008
- Second International Conference on **Advances in Mechanical Engineering** (ICAME 2009) held at SVNIT Surat during 3-5 August 2009
- Third International Conference on **Advances in Mechanical Engineering** (ICAME 2010) held at SVNIT Surat during 4-6 January 2010
- Fourth International Conference on **Advances in Mechanical Engineering** (ICAME 2010) to be held at SVNIT Surat during 3-5 January 2011

### **14. Editorship of International Journals (Editor-in-Chief/Guest Editor):**

- International Journal of Mechatronics and Intelligent Manufacturing, Nova Science Publishers, USA (**Guest Editor**: 2 issues)
- International Journal of Design Engineering, Inderscience Publishers, UK (**Guest Editor**: 2 issues)
- International Journal of Machining and Machinability of Materials, Inderscience Publishers, UK (**Guest Editor**: 1 issue)
- International Journal of Manufacturing Technology and Industrial Engineering, Serials Publications, New Delhi (**Editor-in-Chief**)

- International Journal of Advanced Manufacturing Systems, Serials Publications, New Delhi (**Editor-in-Chief**)
- International Journal of Advances in Thermal Sciences and Engineering, Serials Publications, New Delhi (**Editor-in-Chief**)

#### **15. Editorial Board Membership of International Journals:**

- International Journal of Mechatronics and Manufacturing Systems, Inderscience Publishers, UK
- International Journal of Mechatronics and Intelligent Manufacturing, Nova Science Publishers, USA
- International Journal of Sustainable Engineering and Renewable Energy, Nova Science Publishers, USA
- International Journal of Decision Support Systems Technology, USA.
- International Journal of Modern Manufacturing Technology, Serial Publications, New Delhi
- Journal of Mechanical Engineering, Ghaziabad (a national journal)

#### **16. Considerable Recognitions:**

- Selected as a Visiting Professor by MHRD, New Delhi to teach at AIT Bangkok, Thailand for one term of 16 weeks from Jan'08 to May'08.
- Selected as a Visiting Professor by ISTE New Delhi for the academic year 2007-2008.
- Included in the panel of Expert Members, AICTE-NBA, India

#### **17. Reviewer of Papers for the Following International Journals:**

- IIE Transactions-Design & Manufacturing, Taylor & Francis, UK
- International Journal of Production Research, Taylor & Francis, UK
- International Journal of Engg. Tribology, IMechE, UK
- International Journal of Advanced Manufacturing Technology, Springer, UK
- International Journal of Robotics & Computer Integrated Manufacturing, Elsevier, USA.
- International Journal of Machining and Machinability of Materials, Inderscience, USA.
- International Journal of Materials & Product Technology, Inderscience, USA.
- International Journal of Mechatronics and Manufacturing Systems, Inderscience, USA.
- Journal of Indian Institute of Science (IISc), Bangalore, India
- Journal of Materials Processing Technology, Elsevier, USA
- Journal of Engineering Manufacture, IMechE, UK
- International Journal of Mathematical and Computer Modeling, Elsevier, USA
- International Journal of Management Research News, USA
- ASME Journal of Mechanical Design, ASME, USA

- International Journal of Production Research, Taylor & Francis, UK
- European Journal of industrial Engineering, Inderscience, UK
- International Journal of Manufacturing Research, Inderscience, UK
- Journal of Intelligent Manufacturing, Springer, UK
- International Journal of Approximate Reasoning, Elsevier, USA
- International Journal of Decision Support Systems and Technology, USA
- International Journal of Information Technologies and Systems Approach, USA
- IEEE Conferences on Automation Science and Engineering

**18. Short Term Training Programmes/Workshops Organized: 15**

**19. Sponsored Research projects completed: 2**

**20. Ph.D. Theses Guided: 08 (ongoing); 02 theses are going to be submitted soon.**