



Professor R. Venkata Rao

1. **Name** : Dr. RAVIPUDI VENKATA RAO
2. **Father's Name** : Late 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:**

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6. **Educational Qualifications** :

Degree	Division/Grade	Year	Subjects Taken	Name of the University/Institute
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 :

Address of the Institution	Post Held	Duration	Nature of Experience
Sant Longowal Institute of Engg. & Technology, Longowal, Punjab (Govt. of India's Institution)	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 (Punjab State Govt.'s College)	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 University , 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 (Govt. of India's Institution of National Importance)	Professor & Head	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

Worked as a Visiting Professor (deputed by MHRD, New Delhi) for 4 months from January 2008 – May 2008 at Asian Institute of technology (AIT) Bangkok, Thailand

8. Current interests and assignments :

Fuzzy multiple attribute decision making methods, traditional and non-traditional optimization methods, Advanced Manufacturing Technology, CAD/CAM, CIMS, Concurrent Engineering, DFMA, etc.

At present working as Professor and Head of the Department of Mechanical Engineering at SV NIT Surat and the main duties are teaching, research (M.Tech./Ph.D.) and administrative works.

9. Visits abroad:

Country Visited	Duration of Visit		Purpose of Visit
	From	To	
Hong Kong	15-05-2002	22-05-2002	Attended International CIRP Seminar, presented 2 research papers and chaired a technical session
Czech Republic	27-08-2004	05-09-2004	Attended IFToMM Conference and presented 2 research papers. Further, a guest lecture was delivered to the PG and research students of TUL, Liberec
Russia	15-05-2006	24-05-2006	Attended 'Hydrodynamic Lubrication' Conference, presented 2 research papers and chaired 2 technical sessions
Thailand	13-01-2008	05-05-2008	Visiting Professor (deputed by MHRD, New Delhi) at Asian Institute of technology (AIT) Bangkok, Thailand
Germany	24-07-2008	31-07-2008	Attended InterSymp 2008 to present two research papers and received an award
Singapore	07-10-2008	16-10-2008	Attended a training programme on 'Enhancing Pedagogical Skills' at NTU, Singapore

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. Significant 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
- Included in Marquis Who's Who in Science and Engineering-2007

12. Funded Research Projects Handled:

Completed: 01

Ongoing: 01 (of CSIR, New Delhi)

13. Books Published/Accepted for Publication:

- **Book Published by Springer Verlag, UK in July 2007:**
Decision Making in Manufacturing Environment Using Graph Theory and Fuzzy Multiple Attribute Decision Making Methods
- **Book Accepted for Publication by Springer Verlag, UK:**
Advanced Modeling and Optimization of Manufacturing Processes: International Research and Development
- **Book Chapters:**
 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. **Rao, R. V.** Fundamentals of Machining and Machine Tools. S.K.Kataria and Sons Publishers, New Delhi, 1997.
 2. **Rao, R. V.** Metal Cutting and Machine Tools. S.K.Kataria and Sons Publishers, New Delhi, 1998.
 3. **Rao, R. V.** and Ramasamy, M. Design and Manufacturing. S.K.Kataria and Sons Publishers, New Delhi, 1998.

14. List of Research Publications : Total = 153

International Journals: 36; National journals: 18

International Conferences: 52; National Conferences: 47

15. Editor of International Journals

- **Guest editor** of Journal of Mechatronics and Intelligent Manufacturing, Nova Science Publishers, USA, Vol 1, Issue 3-4, 2009.
- **Guest editor** of International Journal of Design Engineering, Inderscience Publishers, UK, Vol 2, Issue 2, 2009.

16. Reviewer of International Journals

- IIE Transactions-Design & Manufacturing, Taylor & Francis, USA
- 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
- 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 Decision Support Systems and Technology, USA
- International Journal of Information Technologies and Systems Approach, USA
- IEEE Conferences on Automation Science and Engineering

17. Reviewer of Book Proposals

Taylor & Francis, USA - 01

Springer, UK - 03

18. Member, Editorial Board

- International Journal of Mechatronics and Manufacturing Systems, Inderscience, USA.
- International Journal of Decision Support Systems Technology, USA.
- International Journal of Modern Manufacturing Technology, India.
- International Journal of Mechatronics and Intelligent Manufacturing, Nova Science Publishers, USA.

19. International Conferences Organized

- International Conference on Advances in Mechanical Engineering (ICAME 2008) held at SVNIT Surat during 15-17 December 2008
- International Conference on Advances in Mechanical Engineering (ICAME 2009) to be held at SVNIT Surat during 3-5 August 2009

20. National Conferences Organized

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

21. Short Term Training Programmes Organized: 10**22. Conference Sessions Chaired: 15****23. Special/Guest Lectures/Keynote speeches delivered: 40****24. Membership of Professional Societies :**

- (i). Member of ISTE (Indian Society for Technical Education)
- (ii). Member of ISME (Indian Society of Mechanical Engineers)
- (iii). Member of the Institution of Engineers (India)
- (iv). Member of Indian Institution of Industrial Engineering

25. Number of M. Tech. Theses

Guided: 12 **In progress:** 05

26. Number of Ph. D. Theses in progress: 05