

**Dr.P. VENKATESWARA REDDY**

Cell. No: + 91 9849347684

: + 91 7989021518

Email:dr.pvreddy@yahoo.com  
dr.pvreddy1@gmail.comHouse No: 3-6-219, SERI APARTMENT  
G-1, Opp.Old MLA Quarters, Street No: 16  
Himayat Nagar, Hyderabad-500029  
Telangana (State), INDIA.

**Objective:** To transform the new generation as a strong resourceful persons right from Basic fundamentals of science to advanced mechanical engineering and technology.

**Educational Qualifications:**

- March'2017 Doctor of Philosophy (Ph.D.) in the faculty of Mechanical Engineering, from Jawaharlal Nehru Technological University (JNTU), Hyderabad, Telangana State, India. Thesis entitled "Development of intelligence heuristic for optimizing the supply chains of process industries".
- August'2010 Master of Business Administration (MBA), from Osmania University, Hyderabad, Telangana State, India.
- July'1997 Master of Technology (M.Tech) in Mechanical Engg, Specialization in Industrial Engineering & Management (IE&M), First class with Distinction, from Jawaharlal Nehru Technological University (JNTU), Hyderabad, Telangana State, India.
- May'1988 Bachelor of Engineering (B.E) in Mechanical Engineering with First Class with Distinction, from Marathwada University (MU), Aurangabad, Maharashtra State, India.

**Experience:** Total 31 years (Industrial Experience 21 years and Teaching Experience 10 years).

**Personal Information:** Date Of Birth: 5<sup>th</sup> JUNE'1965  
Married,  
Children: One Daughter of 28 years old (Married) and One Boy of 25 years old,  
Both are working in USA.

**Computer Skills:** Windows, MS Office, Mechanical Desktop (Auto-CAD).

**LIST OF TECHNICAL PUBLICATIONS IN JOURNALS/ CONFERENCES/ SEMINARS:**

1. "Optimization of Multiple Traveling Salesman Problem using Heuristic Methods"  
-Dr.P.Venkateswara Reddy etc.  
Participated and paper presented in National Conference on Recent Trends in Mechanical Engineering (NCRTME-2018) in J.N.T.University campus Organized by Department of Mechanical Engineering Department, JNTUH College of Engineering Hyderabad (Autonomous) Hyderabad-500085, Telangana state, on Feb 26-27<sup>st</sup>, 2018.

2     *TITLE: “A review of evolutionary algorithms for multi objective multi Product multi modal distribution problem with a possible New Approach.”*  
      *AUTHORS: P.Venkateswara Reddy etc.*  
      *JOURNAL NAME: International Journal of Logistics Economics and Globalisation (IJLEG)*  
          Inderscience Enterprises Ltd.  
      *YEAR: 2011*  
      *ISSUE NO: 1*  
      *VOLUME: 3*  
      *PAGE NO’S: 1 TO 16*  
      *IF: 0.6, citation index:*  
      *DOI: 10.1504/IJLEG.2011.0414622*

3.    *TITLE: “Balanced centroids (BC) k-means clustering algorithm to transform MTSP to TSP.”*  
      *AUTHORS: P.Venkateswara Reddy, Dr.A.C.S.Kumar; Dr.M.S.Bhat etc.*  
      *JOURNAL NAME: International Journal of Logistics Economics and Globalisation (IJLEG)*  
          Inderscience Enterprises Ltd.  
      *YEAR: 2010*  
      *ISSUE NO: 3*  
      *VOLUME: 2*  
      *PAGE NO’S:187 TO 197*  
      *I F: 0.6, citation index:*  
      *DOI: 10.1504/IJLEG.2010.036299*

4     *Multi commodity multi constraint network flow supply chain problem- A case study*  
Participated and paper presented in National Conference on Advance in Manufacturing Technology and Management (AMTM) in J.N.T.University Organised by MED, Hyderabad, on August 30-31<sup>st</sup>, 2010.

5     *Vehicle Routing Problem in Supply Chain: Models and Solutions*  
Participated and paper presented in National Conference on Advance in Manufacturing Technology and Management (AMTM) in J.N.T.University Organised by MED, Hyderabad, on August 30-31<sup>st</sup>, 2010.

6     *Service quality focus in customer relationship management*  
Participated and paper presented in National Conference on Excellence in Manufacturing and Service Organization’s: The Six Sigmaway2010 J.N.T.University Organised by SMS, Hyderabad, on August 26-27<sup>th</sup>, 2010.

7.    *Role of Information Technology in Supply Chain Management*  
Participated and paper presented in National Conference on Excellence in Manufacturing and Service Organisations: The Six Sigmaway2010 J.N.T.University Organised by SMS, Hyderabad, on August 26-27<sup>th</sup>, 2010.

8     *National Level Workshop on “Supply Chain Management”*

Participated in the one-day National Level Workshop organized by the Department of Industrial & Production Engineering, G.Pulla Reddy Engineering College, Kurnool, A.P, on January 6<sup>th</sup>, 2007.

*9. Supply Chain Management - practices in Mechanical system*

Participated and paper presented in National Conference conducted by the department of Aeronautical engineering, MREC, Hyderabad held on October 5-6<sup>th</sup>, 2006.

**Memberships:**

- Life Member of Indian Institute of Materials Management, Navi Mumbai, since 2006 and attached to Hyderabad Branch, Hyderabad, Telangana, India.
- Life Member of Hyderabad Management Association (HMA), Hyderabad, since 2006.

**Short Courses:**

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|------------|--|
| Feb – 1992 | BEML(Bharat Earth Movers Limited, A Government of India Undertaking), Mysore, Karnataka state-Participated Training course on ALLISON TRANSMISSION Training Program on Heavy Earth moving Equipment for one week, at BEML Service Training Centre from 17-2-1992 to 22-2-1992. |
| Jan -1993  | Escorts Crane division, Bangalore- onsite Training programme participated at National Mineral Development Corporation deposit unit, Bachel, Madhya Pradesh.  |
| May - 1998 | Jawaharlal Nehru Technological University (JNTU), Hyderabad Andhra Pradesh, India-“Finite Element Analysis” department applications conducted at JNTU Campus, Masab tank, Hyderabad.   |
| May - 2003 | Water And Land Management Training And Research Institute (WALAMTARI), Himayat Sagar, Hyderabad Andhra Pradesh, India-Computer Training course on “AUTO CAD 2002” conducted at WALAMTARI from 19-05-2003 to 24-05-2003.  |
| May -2007  | Engineering Staff College of India, Gachibowli, Hyderabad, Telangana-500 032, India –Participated 5 days training programme on “Hydro-Mechanical structures Designs and Material Handling Equipment O & M”.  |
| Aug - 2010 | National Water Academy (NWA), PUNE, Maharashtra state, India-Participated five days training programme on “Finite element Methods on “Hydro structures and mechanical components”.   |

## **Selections & Awards:**

- Selected as Probationary Engineer (Mechanical) later be appointed as Assistant Engineer, AE (Mechanical) in National Mineral Development Corporation Limited (A Government of India Undertaking), Hyderabad, in August 1989.
- Qualified in GRADUATE APTITUDE TEST IN ENGINEERING (GATE 91) All India level competitive Examination conducted by Indian Institute of Technology, Madras on behalf of Human Resource Development, Government of India. February 1991.
- Selected as Assistant Executive Engineer (AEE) through Andhra Pradesh Service commission-1992 Batch, Hyderabad and appointed in A.P Engineering Services, Irrigation & Command Area Development Department, and Government of Andhra Pradesh. Joined in April 1993.
- Certificate of Merit, in recognition of the exemplary devotion to duty, initiation and zeal in the finalization of designs and drawings of Special Designs circle unit, Major Irrigation, Hyderabad, Andhra Pradesh for the year 1994.
- Certificate of appreciation, issued by Academic Vice President (Dr.GHEBREBRHAN OGUBAZGHI) in recognition of the distinguish contributions in Eritrea Institute of Technology & Teachers Training Education , Mainefhi, Asmara, The state of Eritrea, North –East Africa. November 2005.
- Testimonial certificate issued by Chairman, council of Deans & dean, college of sciences, Eritrea Institute of Technology & Teacher Education, Mainnefhi, Asmara, The state of Eritrea, North –East Africa.

**Experience Details:**

Present Position	From July 2016 as Senior Faculty in Mechanical Engineering Department and ratified as Professor, Mechanical Engineering Department, ACE Engineering College, Affiliated to Jawaharlal Nehru Technological University, Hyderabad (JNTUH), Ghatkesar, Hyderabad, India.
2003 – 2005 (Abroad Teaching)	Assistant Professor, Mechanical Engineering, Eritrea Institute of Technology & Teacher Education (EIT & TE), Mai-Nefhi, Ministry of Education Eritrea, THE STATE OF ERITREA, North-East Africa, on UNDP funding assignment, with permission of Government of Andhra Pradesh.
1993 – 2003 & 2005 to 2016	Executive Engineer(I/c), Deputy Executive Engineer & Assistant Executive Engineer levels, Mechanical Designs Division, Central Designs Organisation, Hyderabad, I & CAD Department, Govt.of Andhra Pradesh, Hyderabad, AP ,India.
1989 – 1993	Probationary Engineer & Assistant Engineer levels, National Mineral Development Limited (A Government of India Undertaking), Hyderabad, posted at Bacheli Deposit-5, Bacheli, Bastar Dist., Madhya Pradesh, India.
1988 – 1989	Lecturer, Mechanical Engineering Department, GuruNanak Dev Engineering College, Bidar, Karnataka State, India.

**Industrial Experience:**

1988 – 1993	National Mineral Development Corporation Limited (A Government of India Undertaking unit) Worked as probationary Engineer (Mechanical) and Assistant Engineer (Mech.), to look after maintenance and operation of Heavy Earth Moving Equipment like Power Shovels, Cranes, Dozers, Graders, Blast Hole Drill machine and compressor units/ Pump units. I was taking care of the operational and maintenance schedules for Heavy Engineering Equipment and allied components, which has to be highly wear and tear and degree of quality and quantity of various spare parts. The machines employed are of semi-automatic and manual micro-processor controlled imported machines, also to supervise the maintenance work at the time of break downs and extended guidance in new machinery applications from suppliers to handle Iron ore for export to Japan, apart from training the manpower in technical aspects.
1993 – 1996	Special Designs Circle (SDC) unit, Nampally, Hyderabad - as Assistant Executive Engineer prepared the Designs and drawings of Hydraulic structures, Andhra Pradesh State for I & CAD Department, assigned to the field Engineers and execution etc.
1996 – 2003 & 2006 - 2016	Central Designs Organisation (CDO) unit, Nampally, Hyderabad- as Assistant Executive Engineer, Deputy Executive Engineer and I/C Executive Engineer, to look after and Approval of Hydro-Mechanical structural components Andhra Pradesh State for I & CAD Department, assigned to the field Engineers and execution etc.

## **Teaching Experience:**

Presently I am working as professor, Mechanical Engineering Department, prestigious AICTE approved NBA accredited Engineering College, ACE Engineering College, Ankushapur, Ghatkesar, Hyderabad, Affiliated to Jawaharlal Nehru Technological University Hyderabad (JNTUH), Hyderabad, Telangana state. Handling various subjects—Engineering Mechanics, Engineering Drawing, Fluid Mechanics, Hydraulic Machines, Theory of machines, Machine Design, Industrial Engineering & Management, Production & Operations management, and operations research etc. Other works handling by me are – students counseling, guiding various student projects in every semester.

As an in-charge of Fluid Mechanics and Hydraulic Machines Lab, I will be guiding students of both Mechanical and Civil branches, creating awareness to the students in energy transfer and mechanical advantage with real life examples.

Modern Teaching Skills: My present organisation is well equipped with campus wide network and audio visual aids in every classroom. I took lead in covering courses through Power Point Presentations and net browsing.

Experience in Other Nationalities and Cultures: Completed one International Assignment prior to the present, for a period of two years between 2003 - 2005 by way of working as Assistant Professor, Mechanical Engineering in Eritrea Institute of Technology and Teacher Training, Under Ministry of Education Eritrea. There also because of the impression I created, they have assigned me additional responsibilities like - Head Laboratory, Curriculum Development Committee Member, Examination Committee, Member of Quality Evaluation Team, and Member of Academic Audit Team etc.

For five academic years (1998 to 2003), I have handled various courses – B.Tech (Construction Management & Engineering), as guest lecturer in the Training and B.Tech (Water Resource Engineering) visiting class room programs in INDIRA GANDHI NATIONAL OPEN UNIVERSITY, (IGNOU) Study Centre, Hyderabad , handled various subjects like Applied Mechanics, Mechanics of solids, Fluid Mechanics , systems Engineering, Operations Management etc.

Training classes in Government Departments: Regular basis conducting Training classes in Water And Land Management Training and Research Institute (WALAMTARI), Himayat Sagar, Hyderabad Andhra Pradesh, India-Training course on “CONSTRUCTION MANAGEMENT AND CONSTRUCTION EQUIPMENT” FOR Assistant Executive Engineers for civil, mechanical and electrical Engineers, as induction training on job and at site.

In the academic year 2002, Worked as Guest faculty in D.V.R college of Engineering & Technology (Affiliated to JNTUniversity, Hyderabad), in the subjects like Dynamics of machines, Kinematics of Machines and Fluid Mechanics etc.

Conducting classes for Engineering competitive examinations like GATE (GRADUATE APTITUDE TEST IN ENGINEERING), ESE ( Engineering Services Examination) and State level recruitment exams like AEE's (Assistant Executive Engineers) recruitment for Graduates and Post-Graduates.

**Subjects taught:**

Engineering Mechanics, Engineering Drawing Practice, Basic Mechanical Engineering, (Inter-Disciplinary subjects), Mechanics of Solids, Thermodynamics, Fluid Mechanics & Hydraulic Machinery, Industrial Engineering & Management, Kinematics of Machines, Dynamics of Machines and Design of Machine Members (machine Design), Production and operations management, Operations Research, Production planning and control (PPC), Mechatronics etc.

**Laboratories handled:**

Basic Workshop Practices, Thermal Engineering, Fluid Mechanics & Hydraulics Machines lab, Mechanics of Solids lab and Dynamics of machines lab.

**Other Departmental Activities:**

- Head Laboratory and Workshop Affairs, at EIT & TE, Eritrea.
- Member, Curriculum Development Committee, EIT & TE, Eritrea.
- Member, Examination Committee, EIT & TE, Eritrea.
- Actively participated in NBA accreditation work ACE Engineering College, Hyderabad, India.
- In ACE Engg. College, played a key role in the modifications/installation of laboratories –Thermal Engineering, Fluid Mechanics & Hydraulic labs.
- Supervised Student mini and major Projects for 3<sup>rd</sup> and final year students.
- Conducting class work for the subjects like Control Systems Engineering, Electrical circuits & machines, Hydraulic and Pneumatic systems for different branches.

**References:**

1. Dr. A. C.S. Kumar  
Professor & Former vice principal  
Dept. Mechanical Engineering,  
University College of Engineering,  
J.N.T University Hyderabad,  
Kukatpally, Hyderabad-500085,  
Telangana, India.  
E-mail: [acskumar@yahoo.com](mailto:acskumar@yahoo.com)

2. Dr.M.S.BHAT  
Professor & Director,  
School of Management Studies,  
J.N.T University Hyderabad,  
Kukatpally, Hyderabad-500085,  
Telangana, India  
E-mail: [bhatms@rediffmail.com](mailto:bhatms@rediffmail.com)

3. Er.K. V. V. ATCHAIHA SASTRY  
EX. Senior faculty, Engineering Department,  
Shinas College of Technology, Ministry of Manpower,  
OMAN.  
E-mail: [atchi6@yahoo.com](mailto:atchi6@yahoo.com), [atchi6@gmail.com](mailto:atchi6@gmail.com)