



Dr. K. Vijaya Kumar Reddy

Ph.D. (JNTU)

Senior Professor

F.I.E, ISTE, MCI, ASME

Mechanical Engineering

Areas of Interest:

- Thermal Engineering
- Energy
- IC Engines
- Composite Materials

• **Doctorate** in Engineering from Jawaharlal Nehru Technological University.

• Active **Research** participation: 40 Ph.Ds guided; 12 On-going; About 309 Publications.

• **Administrative** experience for more than 24 years.

• **Disciplinarian**: Responsible for peaceful growth of the college.

• **Honesty**: Spotless over the years being associated with developmental works and confidential works.

• **Leadership**: Acclaimed by holding many positions in various capacities at college and University levels.

• Excellent **Student-relations** over the entire 25 years of service.

• Adequate **Knowledge** about Administration, Planning, reforms in the Examination Branch and development of Technical Education in the state of Andhra Pradesh.

• Youthful **vigor, Dynamism and drive** required for better administrator of a University.

• Unencumbered **family preparedness** enabling **hard work** to lead any work in the interest of the University.

• **Impeccable conduct and character**: acknowledged in the society as a person with innovative spirit for problem-solving and zeal to perform, unassuming with work culture.

Administrative Experience

- Member Executive Council, JNTU University (from 2011 to till date)
- Board of studies chairman, Mechanical Engineering, JNTUH, Hyderabad (2011-14)
- Board of studies chairman, Aeronautical Engineering, JNTUH, Hyderabad (2009-11)
- Member of executive council institute, Indian section (2010 - 11)
- Joint secretary of combustion institute, Indian Section (2008 - 09)
- Governing Council Member for State Board of Technical Education (2008 to till date)
- Member, Academic Council, State Board of Technical Education and Training, AP, Hyderabad (2008 to till date)
- Member of Executive Council of ISTE, AP Chapter (2006 - 08)
- Convener for JCICE-2007 and 2008, Bhubkhand
- Convener for PCICE-2007 and 2008, Bhubkhand
- Convener for ITHEE-2007 and 2008, Bhubkhand
- Confidential Coordinator for Jammu & Kashmir Entrance Examination-2007
- Co-convener for EAMCET-2006,2007,2008
- Director Academic and Planning, JNT University Hyderabad
- Director of Evaluation, JNT University
- Controller of Examinations, JNT University
- Officer in charge of Academic section
- Secretary of cooperative Housing Building Society
- Alumni Association Secretary cum Treasurer
- Student Union coordinator
- Officer in charge of hostels
- Deputy warden
- NSS Programme Officer

• **Educational & Professional**

• **Academic Qualifications**

• Ph.D in Alternate Fuel For I.C. Engine (Bio Diesel), Jawaharlal Nehru Technological University, Hyderabad (1997-2000)

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• M.Tech in Energy Systems, Jawaharlal Nehru Technological University, Hyderabad with First Class with Distinction (1990-1992)

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• AMIE in Mechanical Engineering, Institute of Engineers (India) (1984-1988)

• **Professional Experience**

• **Industrial Experience**

• Assistant Engineer, Sunka Auto Limited, Hyderabad (1992 - 1994)

• **At JNTUH**

• Professor, JNT University, Hyderabad (2006 - Till Date)

• Associate Professor, JNTU College of Engineering, Anantapur (2000 - 2006)

• Assistant Professor, JNTU College of Engineering, Anantapur (1994 - 2000)

• **Books**

- Dr.K.Vijaya Kumar Reddy, *Internal Combustion Engines*
- Dr.K.Vijaya Kumar Reddy, *Engineering Mechanics (Statics&Dynamics & Dynamics)*
- Dr.K.Vijaya Kumar Reddy, *Reliability Engineering & Quality Engineering*

• **Publications**

→ *Effect of Natural Convection Heat Transfer from Horizontal Square Channel*, i-manager[®] Journal of Mechanical Engineering, Vol No.4, Issue No.2, February-April, 2014

➤ *Effect of Hybrid mwcnts/grapheme on Tensile Properties of Reinforced Unidirectional E-Glass/Epoxy Composite*, IOP Conference Series: Materials Science and Engineering, 2018

- *Performance Studies on Multi Cylinder Diesel Engine with Neem Oil*, National Conference on Frontiers in mechanical Engineering, FIME, 2013

• Executive Council Member, JNT University, Hyderabad, 17 Nov 2011 - Present

1. [Download the software](#)