

Dr. K. Vijaya Kumar Reddy is presently working as Professor of Mechanical Engineering. He has vast experience in academic, research and administration. Served as a teacher for above 25 years with very good academic record. Attained enviable academic record which includes 54 Ph. Ds (42 completed and 12 are in progress in various stages) in the stream of Mechanical Engineering and Energy Systems for the past 25 years besides guiding myriad of PG & UG projects. Apart from contributing for development of the growth of the country and for success of students, constantly updating knowledge by taking part in organizing National and International Conferences and presenting papers in the reputed journals and conferences for over 300 of publications. He has authored three text books and a member on the editorial board for various Journals / Conferences of National and International. He is also a member of various professional bodies and held various posts which were mentioned in the brief resume attached herewith.

He has inculcated the qualities necessary in the profession. These qualities made the authorities to elevated him in various capacities like *Deputy Warden, NSS Officer, Student Union Coordinator, Officer In-charge of Hostels, Officer In-charge of Examinations, Nodal Officer, Controller of Examinations, Director of Evaluation, Director of Academic Planning, and Member of the Executive Council of JNTU, Hyderabad*. He is also a member of various national level committees of AICTE, UGC, NBA and NAAC.

He has successfully undertaken projects of DRDO, MNES and AICTE, for which details are given in his curriculum vitae. He has involved in consultancy with Transport Department and Technical Education Departments. He has also applied for 5 patents for which approval is due.

Brief Resume

Name:	Dr. K Vijaya Kumar Reddy
DOB	06-05-1966
Designation	Professor
Present Address:	Department of Mechanical Engineering JNTUH College of Engineering, Kukatpally Hyderabad – 500 085
Contact Details:	Phone: +91 98669 53636 kvijayakumarreddy@gmail.com
Qualifications:	Ph.D. (Mechanical Engineering)
Experience:	25 Years (Teaching:25years, Adminstrative:23years, As Professor over13years)
For the Post of:	Vice Chancellor, JNTU Hyderabad, Hyderabad

Educational Qualifications:

University	Degree	Year of Completion	Field of Specialization
Jawaharlal Nehru Technological University, Hyderabad	Ph.D.	June 2000	Alternate Fuel For I.C. Engine (Bio Diesel)
Jawaharlal Nehru Technological University, Hyderabad	M.Tech.	November 1992	Energy Systems
Institute of Engineers (India)	AMIE	October 1988	Mechanical Engineering

Experience:

S.No	Designation	Institute	From	To
1	Assistant Engineer (R & D)	Sunku Auto Limited, Hyderabad	Dec – 1992	Sep 1994
2	Assistant Professor (Mechanical Engineering)	JNTU College of Engineering, Anantapur	14-09-1994	12-11-2000
3	Associate Professor (Mechanical Engineering)	JNTU College of Engineering, Anantapur	13-11-2000	21-04-2006
4	Controller of Examinations	JNTUniversity, Hyderabad	26-05-2005	21-05-2007
5	Professor	JNTUniversity, Hyderabad	22-04-2006	till date
6	Director of Evaluation	JNTUniversity, Hyderabad	21-05-2007	29-08-2008
7	Director Academic and Planning	JNTUniversity, Hyderabad	26-11-2013	09-06-2014
8	Member, Executive Council	JNT University, Hyderabad	November 2011	February 2020

Accomplishments:

- **Academic:**
 - Ph.D. in the area of Mechanical Engineering
- **Teaching:**
 - Teaching various subjects in mechanical engineering since 1994.

- **Research:**

- Guided/guiding **54Ph.Ds (42Completed** and 12 continuing)
- Guided myriad dissertations in UG and PG

- **Publications:**

- An excellent record of over **300** Publications in various International and National Journals/Conferences. Some of which are in internationally reputed journals like IEEE, Elsevier, Springers, ASME etc.

Books authored:

- Reliability Engineering & Quality Engineering, Galgotia Publications Pvt. Limited.
- Engineering Mechanics (Static's & Dynamics), B.S. publications
- Internal Combustion Engine, Standard Book House, New Delhi

Editor/Reviewer

- Reviewer for Indian Journal of Science and Technology – National Journal
- ARPN Journal of Engineering and Applied Sciences – International Journal
- European-American Journals – International Journal
- Springer – International Publishing House
- CRC Press, Taylor and Francis Group
- Chief Editor, Asia Pacific Conference on Combustion – 2010

Articles:

- Biomaterial Applications Macro to Nanoscales”, Chapter 6: An Experimental Observation of Disparity in Mechanical Properties of Turmeric fiber Reinforced Polyester Composites, Apple Academic Press, CRC Press, Taylor & Francis Group, ISBN 9781771880275, September 17, 2014.
- Biomass and Bioenergy: Processing and Properties: Chapter 8: Indian Date Leaf FRP Composites: Mechanical and Dielectric Properties, pp. 125-140, Springer International Publishing, September, 2014.

- C&E Characteristics of DI Diesel Engine using Biodiesel, Scholars Press, 978-3-639-51581-7.
- **Conference/Short term Courses Conducted:**
 - International Conferences – **2**
 - National Conferences - **7**
 - Workshop –**3**
- **Patents (Submitted):**
 - Design of highly Compact Foldable Cot
 - Design of low cost operating mechanism to open and close the collapsible wind friction reduction attachments of Bus
 - A Lifiable Vehicle body bottom skirt along with front and rear collapsible wind friction reduction attachments for better fuel economy
 - Low Cost Operating mechanism to open and close the collapsible wind friction reduction attachments of Bike
 - Low cost operating mechanism to slide the front portion glasses of vehicle provided with collapsible wind friction reduction attachments for better visibility
- **Projects:**
 - Government of India - Solar Energy
 - Ministry of Nonconventional Energy Sources - EnergyPark
 - DRDO - Design of Heat Exchanger for HAT Facility
 - Faculty advisor for Various projects under TEQIP
- **Consultancy:**
 - SBTET – EDEP project
 - AP Transport Department – Trailer design
 - Government of Jharkhand – Common Entrance Examinations
 - Government of Jharkhand – CET Examination Software
- **Industrial Research Experience:**
 - **2** Years in R&D Division of SunkuAutomotives Ltd.
- **Memberships:**
 - Fellow of Institute of Engineers (India).

- Life Member of Combustion Institution (International)
- Member of SAE (International)
- Life member of Indian Society for Technical Education (I.S.T.E.)
- Member of ASME
- **Administrative Experience**
 - Member Executive Council, JNTU University (from 2011 to 2020)
 - Director Academic and Planning, JNT University
 - Director of Evaluation, JNT University
 - Controller of Examinations, JNT University
 - Officer in charge of Academic section
 - Board of studies chairman, Mechanical Engineering, JNTUH, Hyderabad (2011-14)
 - Board of studies chairman, Aeronautical Engineering, JNTUH, Hyderabad (2009-11)
 - Member of Various BOS / Governing Councils/Academic Councils of Institutions in Andhra Pradesh, Telangana, Tamilnadu and Karnataka.
 - Member of various committees of both Central and State Government.
 - Member of Expert Committees in UGC, AICTE, NBA and NAAC
 - 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 2016)
 - Member, Academic Council, State Board of Technical Education and Training, AP, Hyderabad (2008 to 2016)
 - Member of Executive Council of ISTE, AP Chapter (2006 - 08)
 - Convener for JCECE-2007 and 2008, Jharkhand
 - Convener for PCECE-2007 and 2008, Jharkhand
 - Convener for ITIEE-2007 and 2008, Jharkhand
 - Confidential Coordinator for Jammu & Kashmir Entrance Examination-2007
 - Co-convener for EAMCET-2006,2007,2008

- Secretary of cooperative Housing Building Society
- Alumni Association Secretary cum Treasurer
- Student Union coordinator
- Officer in charge of hostels
- Deputy warden
- NSS Programme Officer
- **Exposure to the World:**
 - Visited 5 advanced countries officially (***Sweden, Denmark, Finland, Germany, and USA***)