

**Name** : **KONIREDDY HEMACHANDRA REDDY**

**Professional Experience** : 30 years of teaching experience  
out of which 17 years as Professor  
at JNTU Anantapur



**Major Awards Received:**

- Anna University National Award for the **Outstanding Academic from the degree level Institutions** from the **ISTE, India** for the year 2018
- **Best Teacher Award** from the **Government of Andhra Pradesh** for the year **2011**.
- **Broad Outlook Learner Teacher Award (BOLT)** by **Air- India** for the year **2006-07**.

**Patents filed:**

- Patent published on "*Computer implemented system and method for evaluating optimal machining parameters in WEDM*". (Publication date: U/S11A, 09-06-2017)

**Research Projects:**

- Ministry of Defence, Govt. of India sponsored Project on "*Studies on Development of an Integrated Approach for Modeling the Annular Combustors of aero Gas Turbines*" with a grant of Rs.17.97 Lakhs. (Principal Investigator, Completed).
- DST-SERB Core Research Grant Project on "*Nanoparticle Enhanced Phase Change Material Microcapsules/Fibers for Advanced Energy Storage and Allied Applications*". Amount Sanctioned: 37.83 Lakhs (2018-2021, Co-Principal Investigator; Ongoing).
- Ministry of Defence, Govt. of India sponsored Project on "*Ultrasonic impact treatment of Ti6Al4V welds of gas turbine modules for fatigue life enhancement*" with a grant of Rs.18.58 Lakhs. (Co-Principal Investigator, Ongoing).

**Technical Papers Presented:**

	<b>Journals</b>	<b>Conferences</b>
International	115	40
National	24	44
<b>Total</b>	<b>139</b>	<b>84</b>

- Google Scholar Details Google Scholar Details: **h-Index – 19**.  
**I10-Index – 30; Citations – 1578**

**Books Authored +and Published:**

- Co-Authored a Book Titled "*Thermal Engineering Data Hand Book*", published by IK International, New Delhi, 2007.
- Co-Authored a Book Titled "*Experimental Studies on the Performance of C.I Engine with TME Blends*" Lambert Academic Publishing.

### **Research Guidance:**

- **Post Doctoral Guided : 01**
- **Ph. D's Guided : 40**
- **M. Tech Projects Guided : 73**

### **Invited Talks:**

- Delivered more than 50 invited talks in various Universities and Colleges in the areas of Computational Fluid Dynamics, IC Engines, Heat Transfer, Pollution Mitigation, Materials and Alternative Sources of Energy.
- Delivered around 100 talks on Personality Development, Career Counseling, Goal Setting and Achievement Motivation in various academic institutions and public platforms.

### **Administrative Responsibilities Held:**

Placement Officer of JNTUCE, Anantapur (from Oct' 04 to Mar' 07); Nodal Officer" TEQIP-A world bank funding Programme (from Dec'04 to Aug'08); "Principal" of a Self- Financed Institution (From Sept. 2000 to June,2003) and JNTUA College of Engineering, Pulivendula (From Sept,2008 to Jan. 2010); Director Academic and Planning of JNTUA (from Jan'10 to Sep'12); Registrar of JNT University Anantapur (from Sep'12 to Nov'14). Registrar i/c of JNT University Anantapur (from 27 May 2019 to till date)

### **Workshops/ Summer Schools Attended**

A. Academic: 12    B. Administrative: 7

### **Workshops/ Training Programmes Organized: 11**

### **Visits Abroad:**

Visited USA, Austria, Malaysia on academic assignments

**Membership of Professional Societies:** Member of 8 reputed national professional bodies

### **National Level Committees:**

- Severed as National Executive Council Member of Indian Society for Technical Education (ISTE), New Delhi, for two terms during 2003- 2005 and 2012 – 2014 and Nominated to the National Council of Institution of Engineers (India) for the year 2015.
- Nominated as Secretary, ISTE Andhra Pradesh section from 08.06.2015 for a period of three years.

**K. HEMACHANDRA REDDY**