

# Prof. K. Venkateswara Rao

Raman Fellow

**Prof. Nanotechnology & Registrar JNT University Hyderabad**  
Centre for Nano Science and Technology  
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<https://scholar.google.co.in/citations?user=6UK4JhYAAAAJ&hl=en>



## Core Qualifications

Experience in teaching with a wide range of subjects including Quantum mechanics, nanomaterial, Characterization techniques, Sensors etc. Wide spectrum of Ph. D research scholars with different back grounds at their Graduate/Masters level in ECE, EEE, Mechanical, Biotechnology, Physics and Materials Science, gave me more scope to enter and approach to different areas of research. I'm always willing and ready to walk the extra mile and put in the extra effort in work.

Native of Madhira, Khammam District, Telangana, India.

## Experience (Academic)

**2016-Tilldate**  
Professor of  
Nanotechnology  
(Permanent)

CNST,UCES&T, JNTUH,  
M.Tech  
Nanotechnology  
Subjects

**2010-2016**  
Associate Professor of  
Nanotechnology  
(Permanent)

CNST, UCES&T, JNTUH,  
M.Tech  
Nanotechnology  
Subjects

**2002-2010**  
Assistant Professor of  
Physics  
(Permanent)

JNTUH,  
College of Engineering  
B. Tech & P.G of  
Physics

**1999-2002**  
Lecturer of Physics  
(Permanent)

V.K.R. College,  
Buddhavaram

**1997-1999**  
Lecturer of Physics  
(Ad hock)

Andhra Loyola College,  
Vijayawada.

**Honors  
&  
Awards**

University Best  
Teacher Award-2023,  
JNTUH  
Best Teacher Award-  
Govt of T.S,  
Raman Post-Doc  
Fellow,  
ITAP-Award,  
M.Sc-Gold Medalist

## Member of Different BOS & Others

Nanotechnology &  
Physics

JNTUH, JNTUK, JNTUA, VIT, SVU,  
KL University, Siddhartha  
College.

## Education

2016-2017

**Post-Doctoral**  
Johns Hopkins Medicine, USA.

2003-2008

**Doctor of Philosophy**  
University of Hyderabad, Telangana, India.

2008-2011

**Master of Technology**  
JNTUH-Hyderabad, Telangana, India.

1995-1997

**Master of Science (Physics)**  
University of Hyderabad, Telangana, India.

## Experience (Administrative)

2024-Present

**Registrar**  
JNT University Hyderabad, Telangana, India.

2023-2024

**Director University Examinations**  
JNT University Hyderabad, Telangana, India.

2021 - 2023

**Controller of Examinations (CE)**  
JNT University Hyderabad, Telangana, India.

2017 - 2020

**Head of The Department(HoD)**  
CNST, UCES&T, JNTUH, Telangana, India.

2013-2016

**Additional Controller of Exams (ACE)**  
JNT University Hyderabad, Telangana, India.

2009-2015

**SC/ST Cell Officer**  
JNT University Hyderabad, Telangana, India.

2009-2013

**Head of The Department(HoD)**  
CNST, UCES&T, JNTUH, Telangana, India.

2007-2009

**Deputy Warden for Hostels**  
JNTUH College of Engineering, Telangana.

2002-2007

**Book Bank Officer**  
JNTUH College of Engineering, Telangana.

Specialization of Research	
Nanomaterials	Synthesis and Characterization
Sensors	Gas, Glucose and Humidity
Energy	Solar Cells, Batteries, Super Capacitor
Agriculture	Seed Germination
Bio-Medical	Cancer imaging

Thesis Advisor	
Post Doc	3-Completed
Ph.D.	16 -Awarded , 4-Ongoing
M.Tech/B.Tech	170/15- Awarded
M.Phil/M. S	1- Awarded/4 -Awarded
M. Sc	10- Awarded

Research Achievements	
Highly Cited Research Paper Award	CuInS <sub>2</sub> nanoparticles: Microwave-assisted synthesis, characterization, and photovoltaic measurements-2013, <b>Materials Science in Semiconductor Processing –Elsevier</b>
Best Technical Research Paper Award (DMRL)	Effect of visco elastic behaviour of glass laminates on their energy absorption subjected to high velocity impact-2016, <b>Materials &amp; Design-Elsevier</b>

Publication/Patents	
International	350
Published Books	15
Conferences Proceedings	100
Under Review Manuscripts	07
Patents (Field)	3

Projects	
UGC	3-Completed
DST-SERB	1-Completed
DST-SERB	1- Ongoing
NANOMISSION	1-Completed
AICTE-RPS	1- Ongoing
AICTE-MODEROB	1-Ongoing
TEQUIP-I, II & III	6- Completed
Approx. Projects Cost : 450 lakhs	

Convener of Events	
International Conference	ICONSEA 2014&2018
National Conference	10
Work Shop	15
Refresh Courses (UGC ASC-JNTUH)	3 Weeks-4 1Week-3
AICTE-FDP AICTE-STTP	2 Weeks-2 1week-3

Collaboration with Industries	
Nano Span India Ltd	India
Aisin Cosmos R & D Co., Ltd	Japan
NED Energy Ltd	India

Visited	
NUS	Singapore
JHU	USA
University of Louisville	USA

