

Dr. K. Vijaya Kumar, Professor of Physics is presently working as Coordinator, University Academic Audit Cell, JNTU Hyderabad, Kukatpally, Hyderabad. He obtained Ph. D. (Physics with Materials Science) from Osmania University in 2002, M. Sc. (Physics with Materials Science) from Osmania University in 1996. Under his guidance 7 Ph. Ds awarded and 6 scholars pursuing for their Ph. D. He has published about 60 international publications and authored 10 books for engineering graduates. He also obtained Post Graduate Diploma in English Language Teaching from Osmania University and Post Graduate Diploma in Cyber Laws & Intellectual Properties from University of Hyderabad.

### **Educational Qualifications**

Ph. D.	University:	Osmania University
	Subject:	Physics (Materials Science)
	Division & Year:	Awarded, 2002
M. Sc.	University:	Osmania University
	Subject:	Physics with Materials Science
	Division & Year:	First with Distinction, 1996

### **Additional Qualifications**

PGDELT	University:	Osmania University,
	Subject:	P.G. Diploma in English Language Teaching
	Division & Year	Second, 2005
PGD CL & IPR	University:	Hyderabad Central University
	Subject:	P.G. Diploma in Cyber Laws & IPR
	Division & Year	First with Distinction, 2015

## **Publications**

International Publications	: 60
Books Authored & Published	: 10
Conferences Attended &Published Papers	: 71

## **Teaching Experience in JNTU Hyderabad**

### **Total Teaching & Research Experience: 21 Years**

- **Professor of Physics**  
Organization: JNTUH College of Engineering Sultanpur, Pulkal (M), Sangareddy-District, A.P., India  
Duration: January 2019 to till-date  
Scale of Pay: 37400-67000+AGP 10000
  
- **Associate Professor of Physics**  
Organization: JNTUH College of Engineering Sultanpur, Pulkal (M), Sangareddy-District, A.P., India  
Duration: September 2017 to December 2018  
Scale of Pay: 37400-67000+AGP 9000
  
- **Associate Professor of Physics**  
Organization: JNTUH College of Engineering Jagtial, Nachupally (Kondagattu), Karimnagar District, A.P., India  
Duration: January 2016 to September 2017  
Scale of Pay: 37400-67000+AGP 9000
  
- **Assistant Professor of Physics**  
Organization: JNTUH College of Engineering Jagtial, Nachupally (Kondagattu), Karimnagar District, A.P., India  
Duration: September 2007 to December 2015  
Scale of Pay: 15600-39100+AGP Rs.8000
  
- **Assistant Professor of Physics**  
Organization: JNTU, College of Engineering Kakinada, Kakinada, A.P., India  
Duration: July 2007 to September 2007  
Scale of Pay: 15600-39100+AGP Rs.7000

## **Administrative Experience in JNTU Hyderabad**

- Coordinator, Directorate of University Academic Audit Cell  
Duration: January, 2020 to till date
- Sports Coordinator, JNTUH CES, Sultanpur  
Duration: March 2019 to May 2019
- Chairman CRC, JNTUH CES, Sultanpur  
Duration: October 2017 to January, 2020
- NSS Programme Officer, JNTUH CES, Sultanpur  
Duration: October 2017 to January, 2020
- Dy. Warden for Girls' Hostel, JNTUH CES, Sultanpur  
Duration: October 2017 to September 2018
- Head, Department of Physics, JNTUH CEJ, Nachupally (Kondagattu), Karimnagar-Dist., TS, India  
Duration: November 2014 to January 2017
- Coordinator at Additional Controller-I, Exam Branch, JNTU Hyderabad, Kukatpally, Hyderabad  
Duration: June 2011 to August 2011 (2 Months)
- Coordinator at Additional Controller-I, Exam Branch, JNTU Hyderabad, Kukatpally, Hyderabad  
Duration: May 2012 to July 2012 (3 Months)
- Students' Advisor in JNTUH CEJ, Karimnagar District, A.P., India  
Duration: September 2009 to January 2010 (1 Year 4 Months)
- Chairman, Class Review Committee(Officer-in-Charge) for I B. Tech. Courses, JNTUH CEJ, Karimnagar District, A.P., India  
Duration: September 2007 to September 2009 (2 Years)

### **Research Projects**

- TEQIP-III, JNTUH, Hyderabad granted me project (JNTUH/TECHIP-III/CRS/2019/MECH/02) entitled “**A Systematic Study on Characterization of Rare Earth Doped Nano Magnetic Ceramics Synthesized by Sol-Gel Method**” (2019-2020) [Co-Principal Investigator]
- TEQIP-III, JNTUH, Hyderabad granted me project (JNTUH/TECHIP-III/CRS/2019/Physics/04) entitled “**Nano composite polymer blend electrolytes – Applications to Solid State Batteries**” (2019-2020) [Co-Principal Investigator]

## **Refresher Courses/Short-Term Courses/Conferences/Workshops** **Organized**

### **Refresher Courses**

**1. Coordinator**

Refresher Course: Refresher Course on “Advance in Material Science and Applications”  
Duration: 15-07-2019 to 27-07-2019  
Venue: UGC-HRD Center, JNTU Hyderabad, Kukatpally, Hyderabad  
Sponsored by: UGC, New Delhi

**2. Coordinator**

Refresher Course: Refresher Course on “Recent Trends in Physics of Materials Science and Technology”  
Duration: 17-07-2017 to 05-08-2017  
Venue: UGC-HRD Center, JNTU Hyderabad, Kukatpally, Hyderabad  
Sponsored by: UGC, New Delhi

**3. Coordinator**

Refresher Course: Refresher Course on “Recent Innovations in Physics”  
Duration: 11-07-2016 to 30-07-2016  
Venue: UGC-HRD Center, JNTU Hyderabad, Kukatpally, Hyderabad  
Sponsored by: UGC, New Delhi

### **Short-Term Courses**

**1. Coordinator**

Short-Term Course: Short-Term Course on “Material Science and Applications”  
Duration: 27-05-2019 to 01-06-2019  
Venue: UGC-HRD Center, JNTU Hyderabad, Kukatpally, Hyderabad  
Sponsored by: UGC, New Delhi

### **Workshops**

**1. Convener**

Workshop: A One Day National Workshop on Role of Physics in Engineering Education  
Venue: JNTUH CES, Pulkal (M), Sultanpur (V), Sangareddy Dist.  
Duration: March 16, 2019  
Sponsored by: Indian Association of Physics Teachers (IAPT)

**2. Convener**

Workshop: A Two Day National Workshop on Effective Teaching and Learning Methodologies  
Venue: JNTUH CEJ, Nachupally (Kondagattu), Karimnagar-Dist.  
Duration: May11-12, 2011  
Sponsored by: JNTUH CEJ, Nachupally (Kondagattu), Karimnagar - Dist.

**3. Convener**

Conference: National Conference on Physics of Nanotechnology  
Venue: Department of Physics, JNTUH CEJ, Nachupally (Kondagattu),  
Karimnagar-Dist.  
Duration: February 9-11, 2011  
Sponsored by: JNTUH CEJ, Nachupally (Kondagattu), Karimnagar - Dist.  
Venue: PG College of Science, Saifabad, Osmania University,  
Hyderabad  
Sponsored by: Department of Science & Technology, New Delhi

**4. Convener**

Workshop: A Two Day Workshop on Experimental Physics Lab Course  
Duration: September 17-18, 2009  
Venue: JNTU Hyderabad, Kukatpally, Hyderabad  
Sponsored by: Department of Physics, JNTUH CEH, Kukatpally, Hyderabad



### **Ph. D. Scholars**

- Number of PhDs Awarded : 07
- Number of Students Pursuing PhD : 06

## **Memberships**

### **Member in Boards of Studies**

1. The JNTU Hyderabad has nominated me as University Nominee for Board of Studies in Physics, Malla Reddy Engineering College, Medchal-Malkajgiri District for a period of two years from 12-07-2018
2. The JNTU Hyderabad has nominated me as University Nominee for Board of Studies in Physics, Geethanjali College of Engineering and Technology, Medchal District for a period of two years from 12-07-2018
3. The JNTU Hyderabad has nominated me as University Nominee for Board of Studies in Physics, TKR College of Engineering and Technology, Medbowli, Meerpet, Saroornagar for a period of two years from 24-07-2017
4. The JNTU Hyderabad has nominated me as University Nominee for Board of Studies in Physics, B.V. Raju Institute of Technology, Vishnupur, Narsapur for a period of two years from 19-09-2017
5. The JNTU Hyderabad has nominated me as University Nominee for Board of Studies in Physics, Anurag Engineering College, Nalgonda-District for a period of two years from 20-02-2017
6. As per the directions of JNTU Hyderabad, Guru Nanak Institutions Technical Campus (GNITC) has requested me to be a member of Board of Studies as a selected nominee by JNTUH for the first Board of Studies on 18-07-2016.
7. The Vice-Chancellor of JNTU Hyderabad has appointed me as Member, Board of Studies in Physics, JNTU Hyderabad, Kukatpally, Hyderabad for preparing the curriculum with latest requirements for the benefit of the students for their academic pursuits and excellence for the development and the University as a whole for the period 2016-18.
8. The Vice-Chancellor of JNTU Hyderabad has appointed me as Member, Board of Studies in Physics, JNTU Hyderabad, Kukatpally, Hyderabad for preparing the curriculum with latest requirements for the benefit of the students for their academic pursuits and excellence for the development and the University as a whole for a period of two years from 25-04-2009

### **Member in Editorial Boards**

1. Member of Editorial Board for Glacier Journal of Scientific Research
2. Member of Editorial Board Team DK International Research Foundation Journals
3. Member of Editorial Board for International Journal of Research in Pharmaceutical and Nano Sciences

## **Memberships in Professional Bodies**

**1. LM 56457**

The Executive Council of **The Indian Society for Technical Education (ISTE)** has approved me to be as Life Member for promoting the quality and standards in technical education

**2. LMB 1076**

Life member in **Materials Research Society of India (MRSI)**, which is devoted to the propagation of Science and Technology of Materials and for increasing the interaction amongst the scientific and public personnel

**3. 8443 L 4970**

**Indian Association of Physics Teachers (IAPT)** has awarded me a certificate of Life membership on enrolment as such a member of this Association

**4. SL-404**

**Indian Ceramic Society (InCerS)** has been approved me as its Life member against my request

**5. LM-761**

**Magnetic Society of India (MSI)** has been approved me as its Life member against my request

**6. AM-2018-19**

Annual Member of **DK International Research Foundation** for the Period 2018-19

**7. L32090**

Life member of **The Indian Science Congress Association (ISCA)**

**8. HYD/LM/13384**

Life member of **Indian Physics Association (IPA)**

**9. LM-L00967**

Life Member of **The Powder Metallurgy Association of India**

**10. LM-1320**

Life member of **The Indian Laser Association (ILA)**

## **NSS Activity**

### **NSS Special Camps Organized as NSS PO of JNTUHCES**

1. NSS Special Camp  
Duration: 14-12-2017 to 20-12-2017  
Venue: Sultanpur Village, Pulkal (M), Sangareddy Dist.
2. NSS Special Camp  
Duration: 21-02-2019 to 27-02-2019  
Venue: Sarafpally Village, Pulkal (M), Sangareddy Dist.
3. NSS Special Camp  
Duration: 29-11-2019 to 05-12-2019  
Venue: JNTUHCES College Campus, Sultanpur (V), Pulkal (M), Sangareddy Dist.

### **NSS Workshops/ Seminars/Festivals Organized**

1. One Day Workshop on Constitution of India (National Law Day) @ JNTUHCES  
Duration: 26-11-2019  
Organized by: NSS Cell, JNTUH College of Engineering Sultanpur
2. District Level Seminar on 50 Years of NSS in Nation Building @ JNTUHCES  
Duration: 21-11-2019  
Organized by: NSS Cell, JNTUH College of Engineering Sultanpur
3. University level NSS Youth Festival @ JNTU Hyderabad  
Duration: 02-02-2019  
Organized by: NSS Cell, JNTU Hyderabad, Kukatpally, Hyderabad
4. Zonal Level Swachh Pakhwada @ JNTUHCES  
Duration: 09-08-2018  
Organized by: NSS Cell, JNTU Hyderabad, Kukatpally, Hyderabad
5. University Youth Festival @ JNTU Hyderabad  
Duration: 03-02-2018  
Organized by: NSS Cell, JNTU Hyderabad, Kukatpally, Hyderabad

### **NSS Programs Attended**

1. NSS Mega Gandhian Youth Conclave with 1000 NSS Volunteers  
Duration: 02-10-2019  
Organized by: NSS Cell, JNTU Hyderabad, Kukatpally, Hyderabad
2. NSS Golden Jubilee Celebrations “50 Years NSS in Nation Building”  
Duration: 25-09-2019  
Organized by: NSS Cell, JNTU Hyderabad, Kukatpally, Hyderabad
3. State Level Programme on Telangana Ku Haritha Haram

Duration : 30-08-2019 to 05-09-2019

Organized by: NSS Cell, JNTU Hyderabad, Kukatpally, Hyderabad

4. International Youth Exchange Between India & Bangladesh

Duration: 01-04-2019

Organized by: NSS Cell, JNTU Hyderabad, Kukatpally, Hyderabad

5. One Day Workshop on Rural Community Engagement

Duration: 25-03-2019

Organized by: Jointly organized by MGNCRE, Hyderabad & NSS Cell, JNTU Hyderabad, Kukatpally, Hyderabad

6. NSS Day Celebrations @ JNTU Hyderabad

Duration: 24-09-2018

Organized by: NSS Cell, JNTU Hyderabad, Kukatpally, Hyderabad

7. University level youth Convention on Indian Heritage & Culture @ SVIT, Hyderabad

Duration: 29-03-2018

Organized by: NSS Cell, JNTU Hyderabad, Kukatpally, Hyderabad

8. University level Workshop on Women Empowerment @ MRCE, Hyderabad

Duration: 28-03-2018

Organized by: NSS Cell, JNTU Hyderabad, Kukatpally, Hyderabad