

Name of Faculty Dr. K VINAY KUMAR REDDY  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 11 – 02 – 2008  
 E-mail kvinay\_physics@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Physics)	Awarded
PG	M. Sc	First with Distinction
UG	B. Sc.	First

Work Experience

Teaching	12 Years
Research	16 years
Industry	--
Others	--

Area of Specialization Environmental Radioactivity

Professional Memberships LM, Indian Association of Physics Teachers

Responsibilities held at Institution Level Co-in-Charge, Academic and Examinations Cell (from 16.10.2017 onwards)

Responsibilities held at Department Level

1. Member, Course Expert Group
2. Mentor, Student Induction Program (2019-20, 2018-19, 2017-18)

Research Guidance --

Awards Received

1. Junior Research Fellowship, Atomic Energy Regulatory Board sponsored research project
2. Young Scientist Fellowship, Andhra Pradesh State Council of Science and Technology

Courses Handled at Under Graduate / Post Graduate Level. Waves, Optics and Introduction to Quantum Mechanics; Optics and Semi-conductor Physics; Engineering Physics; Applied Physics and Labs

No. of Papers Published

National Journals –	05	International Journals –	09
National Conference –	03	International Conference –	04

Projects Carried out Telangana State Council of Science and Technology Sponsored Research Project (Grant Rs. 5, 00, 000/- No. Lr.No.4/TSCOST/LSR PROJ/2016-17, dated 18-03-2017)

Patents --

Technology Transfer --

Invited Speaker --

No. of Books/Chapter Published with details --

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/ Workshops. Other Trainings (Attended and/or Organized).

1. Successfully completed the “Effective and efficient teaching in the age of Corona, A hands on Workshop” on 23rd May 2020 organized by IITB
2. Successfully completed a course on “Learning Physics through Simple Experiments” Organized by IIT, Kanpur (April 02 -June 10, 2020)
3. Short Term Training Programme through ICT Mode on “Development of Laboratory Instruction” organized by NITTR, Kolkatta from 08/06/2020 to 12/06/2020 [ duration: 1 Week]
4. A One Week Online Faculty Development Program on “Materials: Recent Trends and Engineering Applications”, during 02nd to 07th June, 2020 organized by GRIET.
5. A One Week Faculty Development Program on “Outcome based Education and NBA accreditation process (UG)”, during 28th May to 1st June, 2020 organized by CBIT.
6. A One Week Faculty Development Program on “Advanced NDT techniques & Applications in Industry”, during 25th -29th May, 2020 organized by Indian Society for Non-Destructive Testing,

Hyderabad chapter.

7. One day Seminar on "Physics and its applications in Engineering" held on March 13, 2019 at Chaitanya Bharathi Institute of Technology, Hyderabad.
8. STTP through ICT mode on Development of laboratory instruction and manual organized by NITTTR from 04.02.2019 to 08.02.2019.
9. 4th National Conference on Applied Physics and Materials Science (AMPS-17) held during March 10-11, 2017.

#### **International/National Journals from the Year 2017**

1. Vinay Kumar Reddy, K., Sreenivasa Reddy, B., Linga Reddy, B., (2019) "Natural background gamma radiation levels in dwellings constructed under the Double Bedroom Housing Scheme at Erravalli and Narasannapet model villages of Telangana state, India", Indoor and Built environment, DOI: 10.1177/1420326X19865998 (In Press)
2. G Suman, K Vinay Kumar Reddy, M Sreenath Reddy, Ch Gopal Reddy, P Yadagiri Reddy (2020) "Indoor radon and thoron in the vicinity of proposed uranium mining site: a case study at Dasarlapally village, Telangana state, India", Radiat. Prot. Environ., DOI: 10.1093/rpd/ncaa032 (In press)
3. B L Reddy, G S Reddy, K V K Reddy, B S Reddy (2020) "Computational challenges in statistical outcome of teaching learning practice: A Scientific Review". Journal of Advanced Research in Dynamical and Control Systems. Accepted for publication.

#### **International Conferences from the Year 2017**

1. G S Reddy, K V Reddy, B S Reddy, B L Reddy, (2020) "A Comprehensive Review on Statistical Evaluation of Student Performance in Online Teaching", International Conference on Advances in Science Hub -2020, pp. 1-4.
2. B L Reddy, K V Reddy, G S Reddy, B S Reddy (2020) "Radon Levels in Different Mining Environs of Telangana State, India: A Review", International Conference on Advances in Science Hub -2020, pp. 14-17.