

P R Ratan Kumar

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Qualifications:

Have done **Master of Sciences (M.Sc) in Physics** from University of Hyderabad

Have done **Master of Technology (M.Tech) in Materials Engineering** from University of Hyderabad

Worked as **Senior Research Fellow** at ARCI, Hyderabad

Qualified **National Eligibility Test (NET)** conducted by CSIR, India

Current work and designation:

Working as **Head of Department (HoD) of Physics** and **Assistant Professor** at TARA Government Degree and P.G College Sangareddy, Telangana

Work and Research Experience:

Appointed as Assistant Professor of Physics in Government Degree Colleges by Government of Telangana through selection by Telangana Public Service Commission in 2013.

Worked as HoD and Assistant Professor of Physics at Government Degree College, Chevella for five years 2013-2018.

Conducted research on development of Varistors using Zinc Oxide Nanorods at ARCI, Hyderabad.

Conducted research on Transparent Conducting Oxide (TCO) films of Solar Cells using Sol-Gel coating methods at ARCI, Hyderabad.

Submitted poster presentation in India-Singapore Joint Physics Symposium at University of Hyderabad.

Submitted poster presentation in IIT- Madras

Additional activities:

Acted as Career guidance and Placement officer at GDC, Chevella.

Acted as Swachh Bharat Co-ordinator at GDC, Chevella.

Acted as Spoken-tutorial Co-ordinator at GDC, Chevella.

Acted as Observer for various Public Service Commission exams.

Acted as Evaluator of papers for Public Service Commission exams.

Acted as Judge for various district level competitions.

Acted as presiding officer for smooth conduction of Assembly and Loksabha elections in 2014.

Acted as presiding officer for smooth conduction of GHMC elections in 2014.

Acted as counting supervisor in GHMC elections in 2014.

Have done various invigilation duties for several exams.

Conferences and Seminars

Participated in Refresher Course in Experimental Physics during 05 November 2014 to 25 November 2014 at University of Hyderabad and obtained grade A.

Attended Orientation Course at Maulana Azad National Urdu University at 09th May 2013 to 05 June 2013 and awarded grade A.

Faculty Development Programme on B.Sc (Choice Based Credit System) Physics New Syllabus on 18 June 2013 - 23 June 2013 at A.V. College of Arts, Science & Commerce.

UGC & ICSSR Sponsored National Seminar on “The Growth of Non-Farm Sector in India: Opportunities and Challenges” and given a paper on “Green Construction Technologies for Sustainable Economic Development in Rural India” held on 10th January 2014 held at Govt Degree College, Khairatabad.

Characterization of Materials & Their Applications - A Brief Review on 24th January 2014 at Government City College, Hyderabad.

One Day State Level Work Shop on “Network Theorems and Combination of Logic Gates by using Discrete Components held on 03 November 2018 at Government Degree & P.G. College, Gajwel.

Participated in Awareness Programme on Prevention of Drug Abuse for Teaching Faculty of Government Degree Colleges on 02 August to 03 August 2017 at Administrative Staff College of India, Hyderabad.

Participated in One day Departmental Conference of Degree College Teachers in Physics and Electronics held at Osmania University, Hyderabad.

One day training programme GANANA conducted by Commissionerate of Collegiate Education, Government of Telangana on April 20th, 2016.

Two day training programme NIPUNA conducted by Commissionerate of Collegiate Education, Government of Telangana on April 25th & 26th, 2016.