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## **Faculty Profile**

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- **Name of the Faculty Member: Dr. Sanjay Kumar Dey.**
- **Department : University Department of Physics**
- **Designation : Associate Professor.**
- **Level of Guidance & Teaching : Postgratuation.**
- **Qualification: Msc, PhD**

### *Academic Qualifications :*

<i>Examination</i>	<i>Board/University</i>	<i>Subject</i>	<i>Year of Passing</i>	<i>Division/Class</i>	<i>% of Marks</i>
<i>Matric</i>	<i>BSEB, Patna</i>	<i>Phy, Chem, Elm Maths, Adv Maths Eng, SS, Hindi and Sanskrit</i>	<i>1973</i>	<i>1st Division</i>	<i>73.2</i>
<i>Intermediate</i>	<i>RU, Ranchi</i>	<i>Phy, Chem, Maths,</i>	<i>1973 -75</i>	<i>1st Division</i>	<i>63.4</i>

		<i>Eng, MIL Hindi and Biology.</i>			
<i>Graduation</i>	<i>RU, Ranchi</i>	<i>Physics Hons, Chem and Maths</i>	<i>1975 - 77</i>	<i>1st class</i>	<i>66.0</i>
<i>Post Graduate</i>	<i>RU, Ranchi</i>	<i>Physics</i>	<i>1977-79</i>	<i>1st class</i>	<i>62.6</i>
<i>M.Phill</i>					
<i>Ph.D</i>	<i>RU, Ranchi</i>	<i>Physics (Faculty of Science)</i>	<i>In Feb 2004.</i>	<i>Passed.</i>	
<i>Others</i>					

### **Career Profile**

<i>Teaching experience in years</i>	<i>Area of Specialisation</i>	
	<i>Teaching</i>	<i>Research</i>
<b><i>40 years completed on 24/11/2021.</i></b>	<b><i>Electronics and Communication as special paper in MSc level.</i></b>	<b><i>Theoretical Physics</i></b>

**Research Guidance : M.Phil/Ph.D. /D.Sc. /D. Litt (May 2017 to till date):**

<i>Name of Research Scholar</i>	<i>Registration No. &amp; Date</i>	<i>Topic of research work</i>	<i>Present Status (No. of Ph.D. awarded /ongoing)</i>
<i>Nilanjan Sil</i>	<i>Registration No - 11634/95 &amp; Date 28/07/2011</i>	<i>Binding energy of impurity states in a cylindrical quantum dot.</i>	<i>01 Awarded.</i>

**Books authored/Edited/Co-Author Chapter in Book (May 2017 to till date)**

<i>Name of Books</i>	<i>Subject</i>	<i>Sole or Co-Author</i>	<i>ISBN</i>	<i>Date of Publication</i>	<i>Name of Publishers</i>

***Number of Research papers published in Journals/Periodical (May 2017 to till date)***

<i>Sr. No.</i>	<i>Title with page Nos.</i>	<i>ISSN</i>	<i>Name of Journal</i>	<i>Date of Publication</i>
01	<i>Perturbation method for calculating impurity binding energy in an inhomogeneous cylindrical quantum dot with dielectric mismatch</i>  <i>Pages 1- 6.</i>	0304-4289	<i>Pramana -j. phys(2018) 90 :7</i>  <i>(Indian Academy of Sciences).</i>	<i>Published online on 18/12/2017</i>
02	<i>An overview of multilayered coaxial step index cylindrical dielectric waveguides.</i>  <i>Pages : 40 - 48.</i>	2348- 8034	<i>Global Journal of Engineering Sciences And Researches.</i>	<i>Published in February 2018.</i>
03	<i>A Comparative study of eccentric circular and elliptical core optical fibres</i>  <i>Pages : 101 - 111</i>	2249-2976	<i>Pramana Research Journal</i>	<i>Volume 8, Issue 10, 2018</i>
04	<i>Modal propagation characteristics of mono-mode polarization maintaining optical fiber with off centered core.</i>	0973-1458	<i>Indian Journal of Physics (Springer)</i>	<i>Published online on 07th February 2020</i>

***No. of seminars/conferences/workshop attended/organised (May 2017 to till date):***

<i>Seminar/Conference</i>	<i>Date of Participation</i>	<i>National/International</i>
<i>Workshop</i>	<i>Nov 9th to 11th, 2017</i>	<i>National.</i>

*No. of FIP/refreshers courses/summer trainings attended/organised (May 2017 to till date):*

<i>Date</i>	<i>Period</i>	<i>Venue</i>

*Any other academic, administrative and socially relevant contributions/consultancy and awards :*

**1) Acted as Head university Department of Physics from 8th January 2020 to 4th March, 2021.**

**2) Working as a Director in ASTRC, RU, Ranchi since 30/01/2021.**

**3) Member of Board of studies for Physics / Electronics and Communication courses.**

**4) Moderation work carried in Physics and ECOM.**

**5) Life Member of IAPT(L-1693)**

**6) President of Rotary club of Ranchi South during 2017-18.**

**7) Life member of YMCA**