

Department of Physics

St. Bede's College Shimla



About the Department: The department of physics, St. Bede's College was established in 1975 with the introduction of B.Sc. course. The department has produced a large number of graduate students since its establishment. The objective of the department is *"To inculcate the scientific temper and interest of students towards physics and provide them appropriate skills with complete meticulous knowledge"*.




The department has two dedicated laboratories, one computational laboratory and two dark rooms. During an academic year, it caters to the academic needs of around 100 students specializing in physics. The courses taught are Mechanics, Quantum Mechanics, Statistical Physics, Vibrations and Waves, Optics, Laser Physics, Nuclear and Particle Physics, Electronics, Solid State Physics, Digital Electronics, Mathematical Physics, Computational Physics and Energy Study etc. There are about 200 books in the departmental library.

Faculty members are actively involved in the syllabus framing and restructuring at the University level as Board of Study's members.

One minor research project funded by the UGC has been completed and two are submitted. Physics department has also organised a National workshop cum seminar sponsored by UGC. Faculty members regularly participate in International/ National seminars and conferences.

Faculty Profile:

Name	Qualification	Designation	Specialization	No. of Years of Experience	
Dr. Sanjeev Kumar	Ph.D.	Associate Professor	Condensed Matter Theory, Computational Material Science	28	
Mr. V.K. Sanoria	M.Phil.	Associate Professor	Nuclear Physics	28	

Dr. Sapna Sharma	Ph.D.	Associate Professor	Condensed Matter Theory, Computational Material Science	25	
Mr. Kashmir Singh		Sr. Lab Assistant	–	35	
Mr. Kashmir Lal		Jr. Lab Assistant	–	26	

Students Achievements:

- **Arpana Jaryal 4th position** in B.Sc. Himachal Pradesh University. Currently pursuing her post-graduation in IIT Kanpur (2015)
- **Shalini Sharma 11th position** in B.Sc. Himachal Pradesh University
- **Neha Sharma V semester** got selected for Summer Course in Experimental Physics (May9-20, 2016) in Homi Bhabha Centre (TIFR) for Science Education (2015)

Extension activities

To inculcate leadership qualities, physics department encourages student centric, extra-curricular and co-curricular activities. Students participate in conducting seminars/ workshops, blood donation camp, tree plantation campaign, visits to old age home, bal ashram etc.

Equipment procured through agency:

iPhO kit: The international Physics Olympiad (**iPhO**), an annual competition in physics for secondary school students and involves theoretical and experimental competitions in physics. The 46th iPhO was held at Mumbai from 5-12 July 2015. Dr. Sapna Sharma was the member of Academic Assessment Team, HBCSE gave one kit of the equipment for Physics department St. Bede's College Shimla free of cost.