Department of Physics

About the Department

The department of Physics, LBS Govt. College was established in the year 1986. In addition to imparting knowledge of Physics, the department aims to provide a conducive environment for overall development of the students. For this the department has all the necessary facilities such as digital teaching system, fully equipped laboratory, separate dark room for conducting experiments requiring dark conditions etc.

Faculty Profile

Dr. Radha Raman Gautam, Assistant Professor, M.Sc., PhD, NET.

Teaching experience 3 years, Specialization: Particle Physics

Teaching Learning

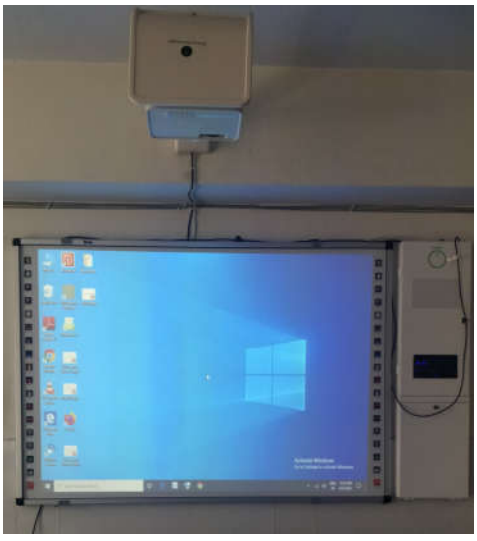
The students of the department are encouraged to actively participate in various teaching learning activities. In addition to the regular teaching as per the university syllabus, information sharing and confidence building activities such as Quiz competitions, Power Point Presentations, etc. are regularly conducted in the department for the all around development of the students. Regular class tests are also conducted to check the academic development of the students.

Student Progression

A number of students have pursued higher studies at Himachal Pradesh University, IISER Mohali, Shoolini University, and other universities after completing their studies in this institution.

Facilities

The department of physics has latest state of the art Digital Teaching System with overhead projector and smart board which is utilized for daily teaching and learning activities. The department has all the necessary apparatus for conducting Physics experiments mentioned in the University syllabus. A separate dark room is available in the Physics Department for experiments requiring dark conditions.



Partial list of the apparatus available in the Physics Laboratory:

1. Helium Neon LASER setup
2. Optical Spectroscopes
3. Optical Bench
4. Cathode Ray Oscilloscopes
5. Bar Pendulum
6. Kater's Pendulum
7. Torsion Pendulum
8. Fly Wheel setup
9. Determination of Planck's constant using LEDs apparatus
10. Digital Multimeter (FLUKE)
11. De Sauty Bridge
12. Flashing and Quenching of Neon gas apparatus
13. PNP, NPN Characteristics apparatus
14. Zener diode Characteristics apparatus
15. PN-junction diode characteristics apparatus
16. Melde's electrical vibrator
17. Determination of e/m by Helical Method apparatus
18. LCR Resonance apparatus
19. Newton's rings setup
20. Solar Cell Characteristics apparatus
21. Determination of Stefan's constant apparatus
22. Variation of Induced EMF (Magnetic Induction apparatus)
23. Verification of Norton's Theorem apparatus
24. Verification of Thevenin's Theorem apparatus