

## PHYSICS LABORATORY

The physics lab of the college is equipped with a wide range of advanced tools and instruments that allow students to explore the fundamental principles of physics in a practical and interactive way. The experiments carried out are mostly the ones in coherence with the curriculum. The laboratory is also designed to provide students with an environment that encourages collaboration, innovation and creativity. It is supervised by experienced physics faculty who provide guidance and support to students.

- Physics department has a wider and capacious lab to learn basic electronic circuits and provide or offer the students with hands on training on the general and digital electronic circuits.
- Students can develop critical thinking skills, problem-solving abilities, and an understanding of the scientific method through experiments.
- The laboratory is furnished with a range of scientific instruments, such as the Spherical Calorimeter, Potentiometer, Spectrometer, Ballistic Galvanometer, Thermometer, digital multi meters, Lee's Disc, power supplies, laser optics, and other similar tools. These resources serve to enhance students' understanding of practical applications in the field.
- Students acquire knowledge and skills related to the measurement of various physical properties, such as viscosity of liquids, conductivity, surface tension, light spectrum, electrical resistance, and heat generation in chemical reactions.

- The laboratory is set in a way to conduct both general and electronics experiments like Lee's disc method, Young's modulus, Torsional, compound pendulum, field along the axis of the coil, etc.
- In addition to traditional laboratory experiments, our laboratory also offers opportunities for students to engage in contemporary research projects in various areas of physics.

