



ATRIA INSTITUTE OF TECHNOLOGY

Anandanagar, Bengaluru – 560 024

Department of Basic Sciences Engineering & Humanities

ENGINEERING PHYSICS LABORATORY

Engineering Physics Laboratory is common for all branches of first year undergraduate students. The lab has got ample space to accommodate up-to 30 students in each session to carry out experiments as per the VTU syllabus. All the lab sessions are taught and demonstrated by well experienced faculty members who have masters and PhD degree in Physics. Along with the senior faculty members the progress of the experiments by students will be monitored by well trained and experienced lab instructors. Lab instructors also take part in one-to-one doubt clarification to make sure that the students are doing the calculations in correct way. We believe that the laboratory is the place where students do things by themselves to experience and prove the physics concepts. Due to this reason, we make sure that each student engage on their assigned experiment with their active participation. This way, we can understand the attention put-up by each individuals and hence bringing up every student's experimental skills to their best possible level. For this purpose, students are allowed to do the experiment either as single or in a group of three-four per equipment to give the foundation for their team-work efforts wherever it is necessary. This helps in igniting their thought process and hence the innovative ideas in their core branch related concepts which they face in higher semesters.

- Physics lab experiments involve the measurements to study the properties of waves, oscillations, optical, electrical, semiconductors, dielectrics, magnetic and electromagnetic phenomenon.
- Most of the experiments that are conducted will enhance the basic knowledge among various concepts in physics that posses applications ranging from civil, mechanical, electronics & communication along with the computer/information science engineering.
- The lab has a wide variety of instruments like Optical fibers, Laser, Photodiodes, Microscopes, Diffraction grating, Galvanometers, Newton's Ring Apparatus with sodium lamps, Torsional Pendulum etc.
- Complex experiments are equipped in the form of modern scientific kits to increase the level of safety for students by safeguarding in the form of earthing/shockproof etc.

Physics Lab is operational for two sessions in a day, during which two faculty members and two lab instructors are present for guiding the students. However, it also remains open for remaining hours of the regular working hours every day for the benefit of learners who wish to put in extra efforts. Two lab instructors are present at all working hours to help and support the students.



CHOLA NAGAR



Bengaluru, Karnataka, India

ASKB Campus, Ags Colony, Anandnagar, Hebbal, Bengaluru,
Karnataka 560024, India

Lat N 13° 1' 57.666"

Long E 77° 35' 34.8648"

25/03/21 02:13 PM



CHOLA NAGAR



Bengaluru, Karnataka, India

ASKB Campus, Ags Colony, Anandnagar, Hebbal, Bengaluru,
Karnataka 560024, India

Lat N 13° 1' 57.648"

Long E 77° 35' 34.8288"

25/03/21 02:14 PM



Bengaluru, Karnataka, India

ASKB Campus, Ags Colony, Anandnagar, Hebbal, Bengaluru,

Karnataka 560024, India

Lat N 13° 1' 57.4644"

Long E 77° 35' 35.0052"

25/03/21 02:10 PM



CHOLA NAGAR



Bengaluru, Karnataka, India

ASKB Campus, Ags Colony, Anandnagar, Hebbal, Bengaluru,
Karnataka 560024, India

Lat N 13° 1' 57.3672"

Long E 77° 35' 34.8612"

25/03/21 02:08 PM