## PHYSICS PRACTICALS

# Course Name : Physics Practicals

1. **Course Code : PHY2201**
2. **Credit hours : 2**
3. **Course Description**

This course is a continuation of the Physics Practicals done in Semester I. It has 2 credit units, with 4 contact hours per week in the laboratory for 15 weeks i.e. 60 contact hours in a semester

1. **Course Objectives:**

At the end of the course the student should be able to:

* 1. Carry out more advanced experimental work;
	2. Relate the theory learnt to the experiments in the laboratory;
	3. Apply the knowledge learnt to every-day experiences.

# Course Outline

Atomic physics.

Electrostatics.

Magneto statics.

Photovoltaics.

Physical optics.

Semiconductors.

1. **Assessment method**

The course is laboratory based. Every student must do at least 12 practical exercises as allocated in the 2nd year laboratory manual in a semester. An average of the 10 best done (marked out of 100%) is taken at the end of the semester.

1. **Reading List**

A compendium of information including all general physics textbooks and lecture notes.