

# DEPARTMENT OF PHYSICS

## Physics Lab

Department of Physics, Dr S.R.K Government Arts College, Yanam is very well equipped with Modern Experimental Apparatus. Physics Laboratory is designed for 8 Experiments for each semester to First and Second Year B.Sc Physics Students and 16 Experiments for semester for Final Year B.Sc Physics Students. Allied Physics Students of B.Sc Chemistry also perform 7 Experiments per semester in their B.Sc Second Year. Aim of the laboratory Course is to gain practical knowledge and through observation and practice. Teachers in the Department motivate the undergraduate students by learning by doing method.

The Curriculum for the Physics Laboratory is designed to get hands on experience on the theoretical Concepts thought in the classroom. Students at Physics Laboratory perform experiments related to Mechanics, Optics, Thermodynamics, Electricity & Magnetism and Electronics. The Department Contains Sophisticated Equipment like Hall Effect Apparatus, CRO, Abbe Refractometer, Newton Ring Experimental Setup, Youngs Modulus Determination Experimental Set up, Potentiometers, Carey Foster's bridge, Digital Weighing Machine, Fractional resistance box, Audio frequency (AF) oscillator and various Electronics and Digital Electronics Experimental Setup etc.

### Laboratory Equipment:

Digital Weighing Machine

Abbe Refractometer

Newton Ring Experimental

Junction Diode, Junction Transistor, FET, MOSFET Characteristics Exp Setup.

Solar cell & Thermostat Characteristics Exp Setup.

Spectrometers

Microscopes

CRO

Singal Generators

Youngs & Rigidity Modulus Determination Experimental Setup.

Slotted Weights