Physics Lab

Physics department caters to B.Sc. (Hons)Physics and B.Sc. (Programme). The Department has fully equipped laboratories and a store room managed by a hard-working and sincere Lab Staff of 8 members.

Department of Physics has four laboratories (L1, L2, L3 and Computer Lab):

Laboratory L1:- L1 is mainly dedicated to Mechanics, Electricity& Magnetism, Solid-State Physics and Thermal based experiments. We have a wide range of experiments like pendulums, fly wheel, Sextant, bridges like Carey foster, Anderson, De'Sauty etc. Solid State experimentscomprise of Hall Effect, BH Curve, e/m, Four Probe, Stefan's constant, PE Curve etc. Thermal experiments include Lee method, Searle's, Calendar and Barns, Platinum resistant thermometer (PRT) etc. We have High precision CROs, measurement devices like IC testers, multimeters, function generators, audio oscillators etc. Our lab is equipped with various telescopes, microscopes and is also provided with arefrigerator and a microwave.

Lab L2:- L2 is divided into three key areas:Semi dark room, dark room and Research Arena.The Semi dark room consists of good quality Ballistic galvanometers Quincke's method. Our dark room comprises of Spectrometers with least count 10"onwardsfor performing interference and diffraction based experiments, Newton's rings, Ultrasonic grating, hydrogen spectrum etc. Our research arena has high quality optical bench, Fibre optic kit, lasers, set–up for elliptically polarized light etc. Research arena and other lab facilities are utilized by the students and faculty to carry out contemporary research for Innovation projects granted by the University of Delhi, Externally funded (IUAC, NASI, Delhi Chapter) and self-funded projects undertaken by the department which has resulted in published work in journals, national and international conferences on a continual basis.

Lab L3:- Lab L3 is dedicated toElectronics experiments. Our Electronics lab comprises of high precision CROs with in-built function generator, 8085 microprocessors, digital electronics components, transistors like BJT, FET, UJT, amplitude modulation kits etc. There are Work board kits with inbuilt 5V and dual12V power supplydesigned by the faculty.