

MUNICIPAL COLLEGE, ROURKELA

TWO DAY WORKSHOP ON EXPERIMENTAL PHYSICS

Department of Physics is one of premier department of Municipal College, Rourkela. The department had organised Two day Workshop on Experimental Physics between 23/01/2021 to 24/01/2021 in Collaboration with Rourkela Physics Teachers Association. After Introduction new experiments in CBCS syllabus, it was very essential to organise a work shop on experimental physics for both teachers and students of Physics Honours. A good number of new experiments were displayed and teachers had performed the experiments for their Practice. At least 30 Teachers and 70 students have participated in this Workshop. The inaugural session was presided by Sub Collector Pan posh, Rourkela. who was also the Chief guest in the workshop. Prof. Paresh Chandra Pradhan Principal and HOD Physics addressed the invited guests and students about the significance of this workshop. The workshop was co-ordinated by Smt Mamata Rani chanda, Reader in physics of the department.

SL.NO	Name of the Experiments
1	Millikan's oil drop Experiment to find charge of electron
2	B-H curve of soft iron and calculation of hysteresis loss
3	Hall effect & Hall Coefficient
4	e/m of electron by Thompson's Method.
5	e/m of electron by Helical method
6	Dielectric constant of solid.
7	Band of semiconductor using four probe method
8	Planck's constant using four LED
9	Determination of Stefan's Constant
10	Determination of Boltzmann's Constant.
11	Diffraction by Single slit and double slit using LASER source.
12	Verification of Malus law in Polarisation
13	Verification of Brewster's law in Polarization.
14	Study of Logic Gates using LOGI -COM apparatus.
15	Study of frequency response curve of R-C Coupled amplifier.
16	Study of characteristics of Tunnel Diode
17	Characteristics of Bipolar Junction Transistor
18	Characteristics of Zener diode and Study of Voltage Regulation
19	Study of Zeeman's Splitting Using Zeeman's apparatus
20	Study of half adder Full adder using NAND gate

Sd/-

Head of Department of Physics

PHOTOS OF THE EVENT

