Physics Lab Equipments & Experimental Setups

ME 918 - To determine the value of acceleration due to gravity at a place, by means of Kater's reversible pendulum

Setup Consist of :

- A Kater's pendulum with wall support or stand
- Stop watch : Least count - 0.01 Sec
- Measuring tape : 3 Meters

Optional:

- Low power telescope with stand

ME 919 - To study the normal modes and resonance of coupled pendulum

Setup Consist of :

- Coupled pendulum set up.
- Springs (2 Nos.)
- Stop watch : Least count - 0.01 Sec

ME 922 - To determine the moment of inertia of a flywheel about its own axis of rotation

Setup Consist of :

- Flywheel
- Weight : up to 250 gm (with hanger arrangement)
- Stop watch : Least count - 0.01 Sec
- Vernier caliper : Least count - 0.01cm Range :15cm
- Measuring tape : 3 Meters

ME 924 - To determine g and velocity for freely falling body using digital timing techniques

Setup Consist of :

- Rod on stand : 50 cm
- One coil circuit & one gate circuit with iron sphere of radius 0.5cm to 1.0cm
- Digital Timer : Least count - 0.001 Sec
- Patch chord 4 mm (4 Nos.)

ME 924A - Acceleration Due to Gravity by Oscillating Mass Spring System

Setup Consist of:

- Helical spring apparatus
- Slotted weights with hanger
- Stop watch : Least count - 0.01 Sec