

ENGINEERING MECHANICS LABORATORY:

This laboratory is primarily used to provide and conduct engineering laboratory experiments on principles of statics and dynamics. Presently, this lab is used for undergraduate student to their laboratory experiment especially in statics and dynamics field. Students will be conducted various experiments related to the topics what have they learned before in lecture. They also will learn the procedures of measurement, software application and be familiar with the practical apparatus of statics and dynamics.

With the passage of time, our laboratory tries to improve the equipment with new and advanced technologies and equipments in order to enhance the research attitude among students and researchers on this field.

ACCELERATION



ACKERMANN STEERING MECHANISM



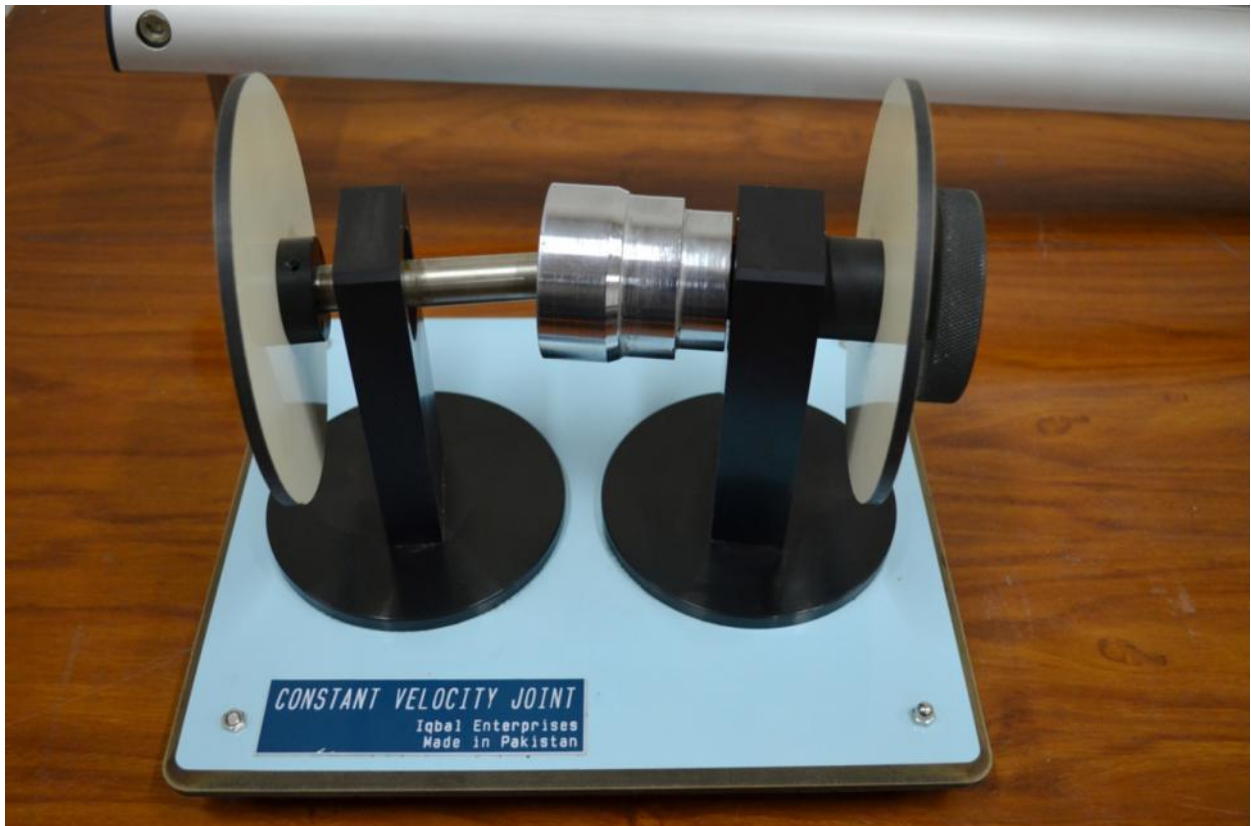
CENTER FUGAL FORCE



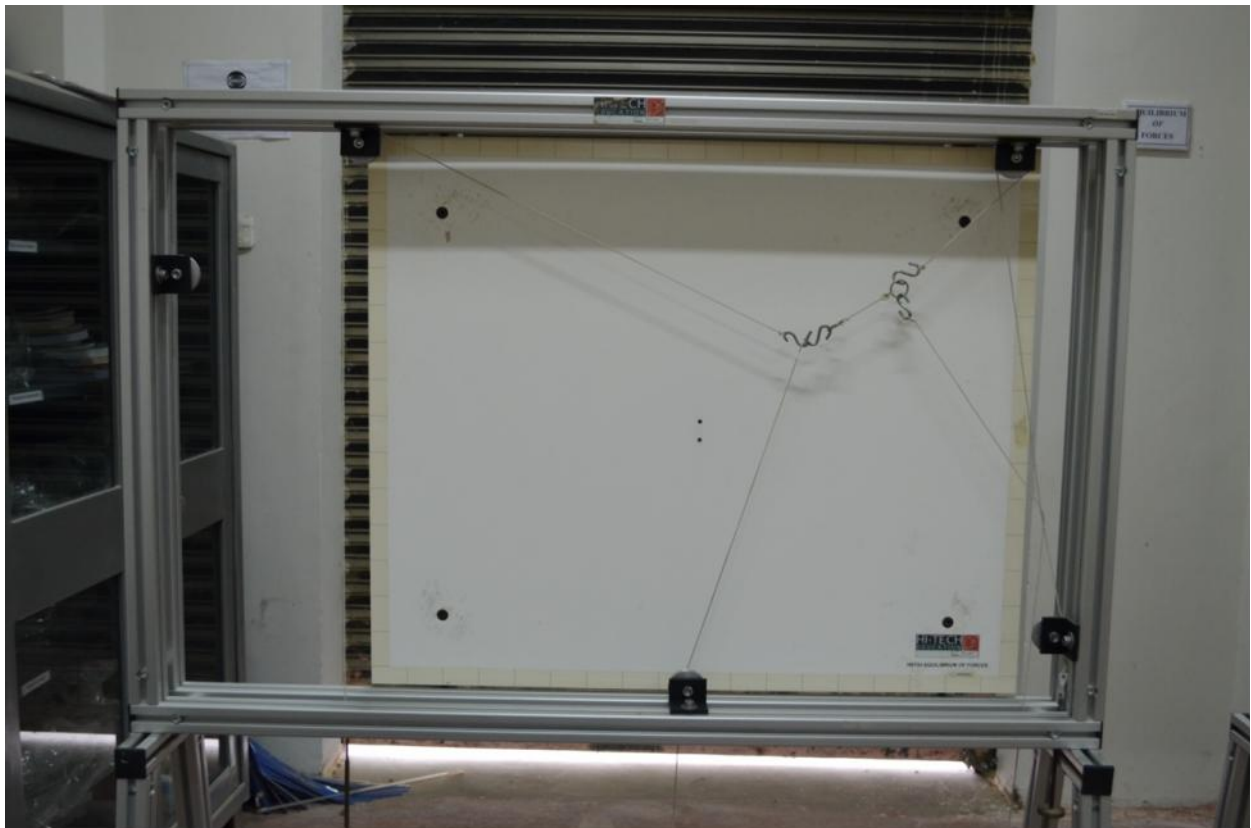
CONSTANT VELOCITY JOINT



CONSTANT VELOCITY JOINT



EQUILIBRIUM OF FORCE



EQUILIBRIUM ON A TWO ARM LEVER



FLY WHEEL



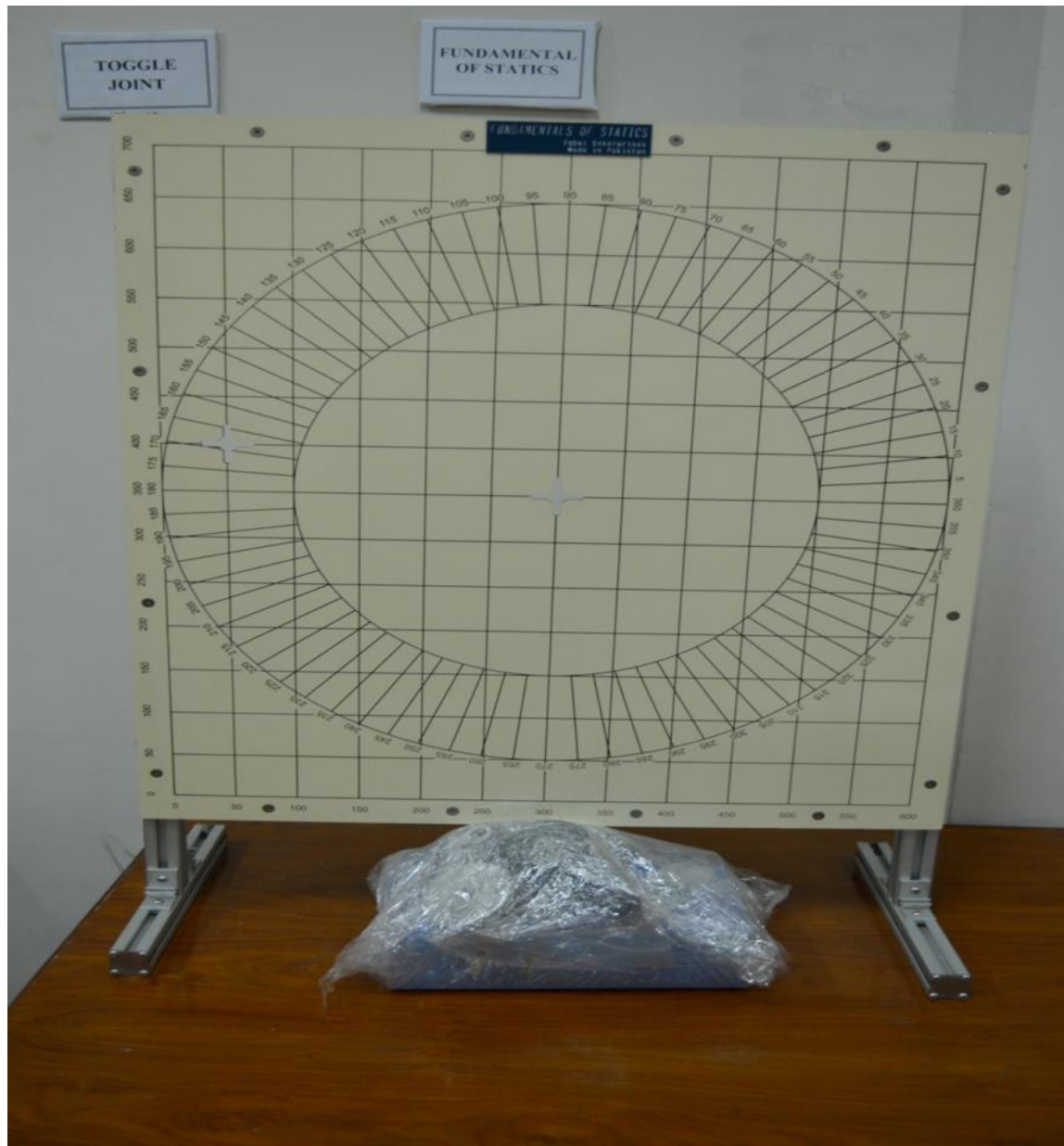
FRICTION OF BELT APPARATUS



FRICTION ON AN INCLINED PLANE



FUNDAMENTAL OF STATICS



GYROSCOPE



INCLINED PLANE KIT



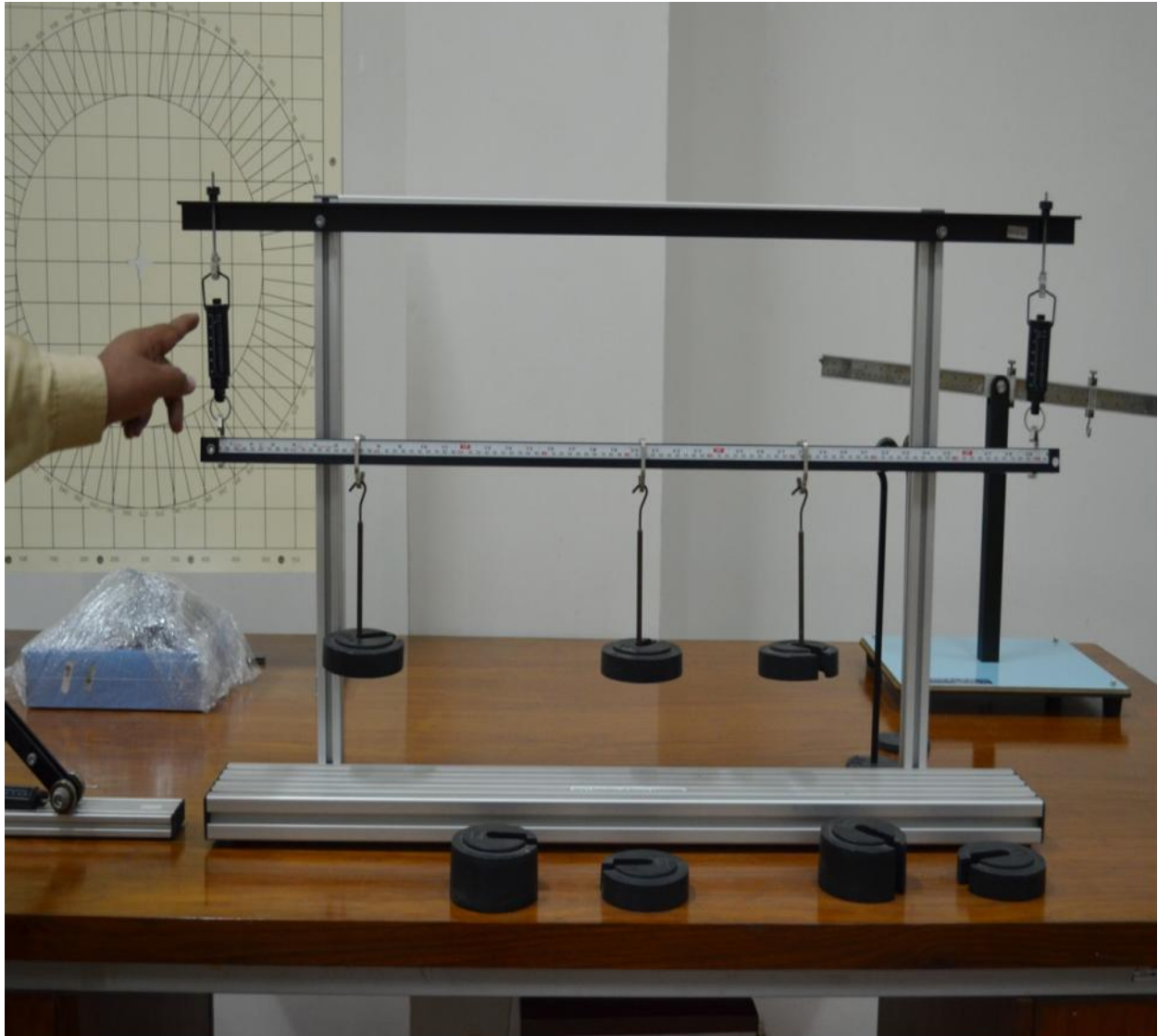
MOMENT OF INERTIA



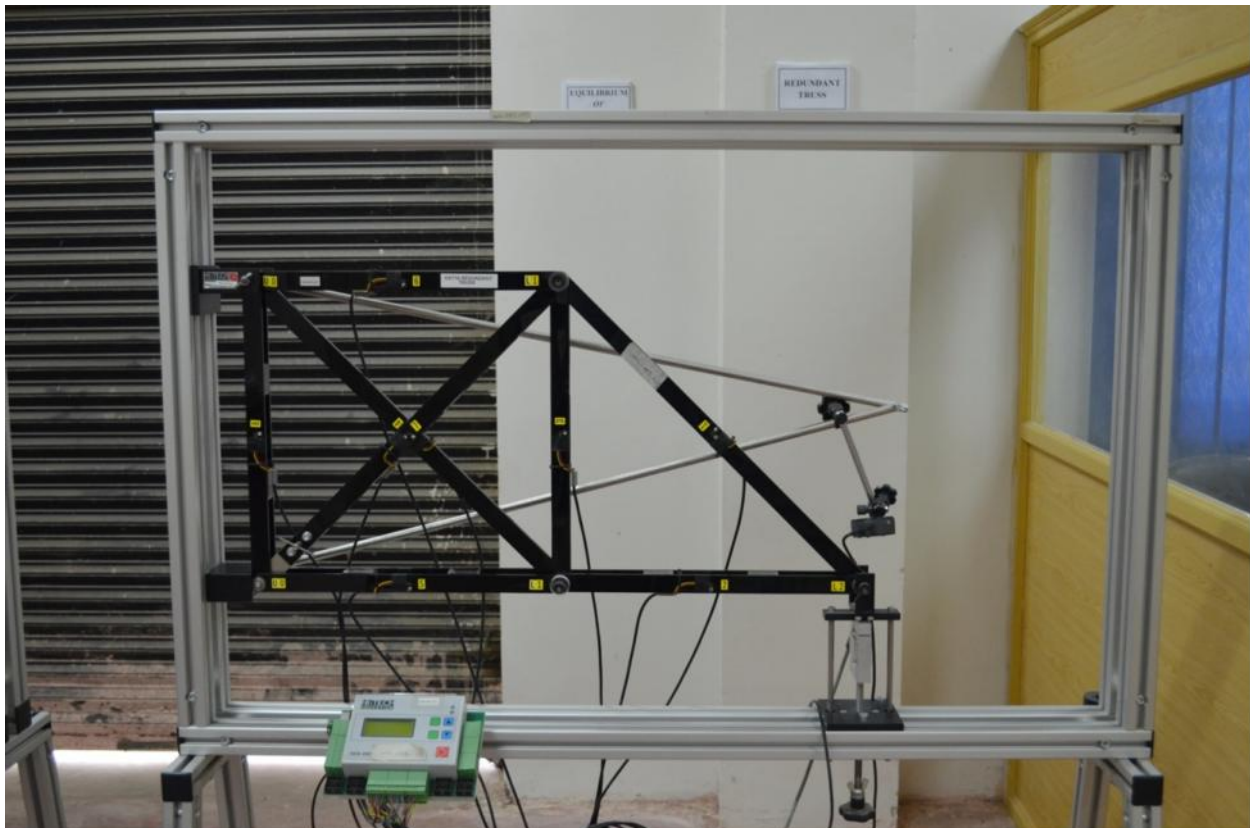
PLATE CLUTCH FRICTION



REACTION OF BEAMS



REDUNDANT TRUSS



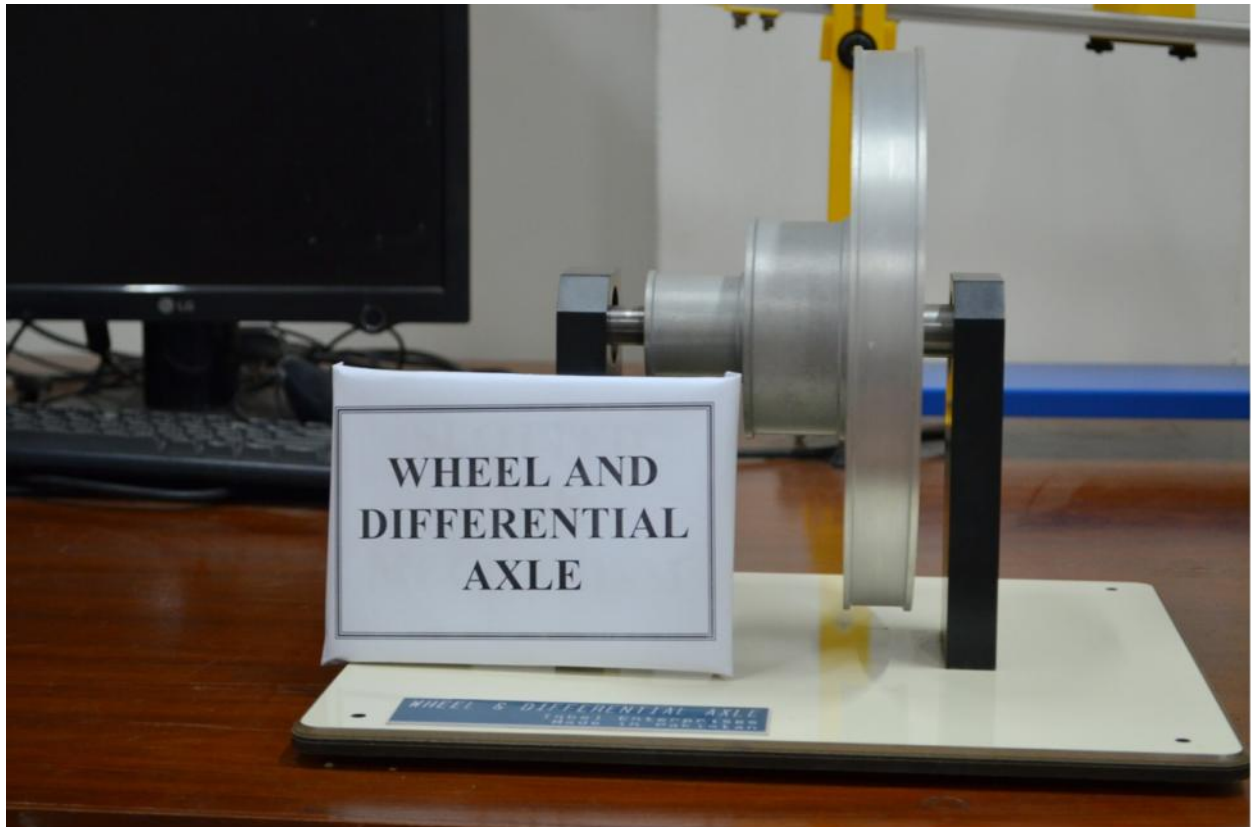
ROLLING DISC ON INCLINE PLANE



TOGGLE JOINT



WHEEL AND DIFFERENTIAL AXLE



WORK DON BY VERIABLE FORCE

