ADVANCED STRUCTURAL ENGINEERING LABORATORY

This Laboratory is unique of its kind, because, it houses testing facilities for structural components and full scale Structural members. The loading frames with 200 KiloNewton capacities are provided in the laboratory for conducting the study on Structural elements. The LVDT (Linearly Variable Differential Transformer) displacement indicator, proving rings, dial gauges and linear variable displacement transducers are available to study failure characteristics of specimens. The 40 channel digital control system for monitoring strain measurements on line during the experimental Investigation.

The laboratory has been developed:

(i) To improve Research and Development in the field of structural Engg.

(ii) To enable Faculty and Students (UG & PG) to pursue projects

Fig (I) Reaction Frame with Castellated Beam during experiment (200 KN)

Fig (2) Simulations of Hinged end conditions for the specimen during the testing.

Fig (3) Compression Testing Machine (3000 KN)

Fig (4) Computerized UTM (400 KN)