



MOTHER TERESA
INSTITUTE OF SCIENCE & TECHNOLOGY
Permanently Affiliated to JNTUH, Hyderabad
Recognition under Section 2(f) & 12 (B) of the UGC Act, 1956
AN ISO 9001:2008 CERTIFIED INSTITUTION
SANKETIKA NAGAR, SATHUPALLY – 507303, KHAMMAM Dist., TELANGANA



Department of Mechanical Engineering

SOM LAB

Objectives:

This course provides students opportunities to become familiar with standard mechanical testing methods and fundamental properties of engineering materials, and to develop report writing proficiency.

Outcomes:

- Ability to conduct standard tension tests of steel and other metals
- Ability to conduct compression tests of concrete, cast iron and steel
- Ability to conduct simple tests of column buckling
- Ability to use strain gages for strain measurement
- Ability to document results in written reports
- Ability to conduct tests with materials subjected to torsion
- Ability to work in groups
- Ability to work independently