



**NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA
DEPARTMENT OF MECHANICAL ENGINEERING
MATERIAL SCIENCE LABORATORY**

List of experiments perform:

- 1. Study of the effect of Quenching on hardness of mild steel (sand and air quenching).**
- 2. Study of the effect of Annealing on hardness and microstructure of mild steel.**
- 3. Study of the effect of Quenching on hardness of mild steel (water and oil quenching).**
- 4. Study of the affected zone in a welded sample of low carbon steel.**