

**DECCAN COLLEGE OF ENGINEERING & TECHNOLOGY**  
DAR-US-SALAM, HYDERABAD – 500 001.

**DEPARTMENT OF MECHANICAL & PRODUCTION ENGINEERING**

**FOUNDRY SHOP**

**EQUIPMENT LIST:**

1. Jolt Moulding Machine
2. Permeability meter
3. Universal Strength machine
4. Moisture tester
5. Mould hardness tester
6. Core Hardness tester
7. Flowability meter
8. Compatability tester
9. Universal Strength machine (Pendulum type with accessories)
10. Sieve Shaker along with Sieve set

**EXPERIMENTS LIST:**

1. Preparing mould cavities (Sand Moulding)
  - (a) Single piece pattern
  - (b) With split pattern
  - (c) Three box method
2. Testing of Foundry Sand for
  - (a) Tensile strength
  - (b) Shear Strength
3. Core making