

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

METROLOGY & INSTRUMENTATION LABORATORY

LIST OF MAJOR EQUIPMENT

1. C.I. SURFACE PLATE
2. VERNIER HEIGHT GAUGE (300 MM)
3. DIAL BEVEL PROTRACTOR (300 MM)
4. CYLINDRICAL DIAL BEVEL GAUGE
5. GEAR TOOTH MICROMETER
6. SCREW THREAD MICROMETER
7. SINE BAR
8. SLIP GAUGES
9. ADJUSTABLE MICROMETER
10. VERNIER CALLIPER DIAL TYPE (150MM)
11. LABO. TOOL ROOM MICROSCOPE 30X WITH OBJECTIVE 2X &
EYE PIECE 15X; WORKING DISTANCE 115 MM
12. BENCH CENTRES
13. SURFACE ROUGHNESS TESTER
14. PROFILE PROJECTOR

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LIST OF EXPERIMENTS

1. Measurement with Vernier Callipers, Micrometer and Bore gauge.
2. Slip gauges and their usages.
3. Measurement with Vernier Height Gauge
4. Measurement with Tool maker's microscope
5. Calibration of dial gauge
6. Measurement of Angles
7. Measurement of Roundness with Bench Centres
8. Measurement of Surface roughness
9. Snap gauges, ring gauges and plug gauges usages.