**TESTING AND CONSULTANCY FACILITY AVAILABLE IN THE DEPARTMENTS**

**MECHANICAL ENGINEERING DEPARTMENT**

1) Auto Cad/ Pro E related work.

2) Structural/ Thermal Analysis by using Ansys Software.

3) Measurement of dimensions, surface roughness, screw thread, parameters.

4) Measurement of profile.

5) Third party Inspection.

 **Sd/-**

 **H.O.D.**

 **Mechanical Engineering Department**

**INSTRUMENTATION ENGINEERING DEPARTMENT**

1) Testing of PVC/CPVC Pipes.

2) Testing of Agriculture Equipment’s like pumps, spraying machines etc.

3) Testing of Computers/LCD Projector, Printers, Tab and peripherals.

4) Testing of Energy meter, Tariff meters, Water flow meters.

5) Consultancy and Testing in LED/Solar panel/control panel etc.

6) Consultancy in Education facilities such as NBA/NAAC/Autonomy etc. to technical educational institute.

7) Consultancy in signal or Image processing.

8) Consultancy in control and automation.

9) Training in Measurement, Instrumentation, sensor etc.

10) Training in PLC/DCS/SCADA.

11) Training in Sci-Lab/Mtalab/LAB-View/LATEX etc and other industrial and technical software’s.

12) Microprocessor/Microcontroller training and services.

13) Training in the induction program to student of colleges.

 **Sd/-**

 **H.O.D.**

 **Instrumentation Engineering Department**

**ELECTRICAL ENGINEERING DEPARTMENT**

1) High precision/accuracy instruments, 1-ph and 3-supply, CRO and DSO, function Generator, variable supply AC(single ph and three phase and DC), LUX meter, Megger, LCR measurement by various bridges, digital multimeter, oil testing kit, energy meters, etc.

2) MATLAB and ANSYS software and PLC for data acquisition and analysis.

 **Sd/-**

 **H.O.D.**

 **Electrical Engineering Department**

**ELECTRONICS AND TELECOMMUNICATION ENGINEERING DEPARTMENT**

1) Medical Equipment

* Testing.
* Specification validation.
* Calibration.
* Technical assistance in procurement.

2) LED based lighting system

* Testing.
* Specification validation.

3) Optical fiber system

* Loss measurement
* Testing.

4) PA system

* Microphone.
* Loud speaker.

5) Testing of Electronics and wireless communication equipment/set-ups/gadgets.

 **Sd/-**

 **H.O.D.**

 **Electronics & Telecommunication Engineering Department**

**CIVIL ENGINEERING DEPARTMENT**

|  |  |  |
| --- | --- | --- |
| Sr.No. | Description | Area Covered |
| 1 | C.T.M.Machine | Compression/Crushing Test concrete cubes. |
| 2 | U.T.M.Machine | Tensile test on steel/wire. |
| 3 | Los Angeles Abrasion Machine. | Abrasion test on aggregates. |
| 4 | I.S.Sieves | Sieve analysis/gradation of sand,aggregates and soil |
| 5 | Tile abrasion machine | Abrasion test on tile |
| 6 | Rebound Hammer | Rebound Hammer Test on hardened |
| 7 | Ultrasonic pulse velocity | Ultrasonic pulse velocity on structural concrete members |
| 8 | Standard compaction Test | Compaction test of soil(Density) |
| 9 | CBR Testing Machine | CBR TEST on soil |
| 10 | Casagrand’s Apparatus | Atterberg Limits(LL/PL/SL) |
| 11 | Pycnometer | Specific Gravity of soil/aggregates |
| 12 | Direct Shear Test | Shear parameters C and Q |
| 13 | Ductility Testing Machine | Ductility of bitumen |
| 14 | Dumpy Level/Auto Level | Survey work (Finding RL of ground points) |
| 15 | Theodolite 20 sec/1 sec | Finding angels of ground points |
| 16 | Total Station (Pentex) | Survey of Land/Road |
| 17 | Plannimeter | Finding area of irregular fifures |
| 18 | Compass | Finding angels of the area |

 **Sd/-**

 **H.O.D.**

 **Civil Engineering Department**

**COMPUTER ENGINEERING DEPARTMENT**

1) Third party Inspection.

 **Sd/-**

 **H.O.D.**

 **Civil Engineering Department**