**GITAM**

**HYDERABAD CAMPUS**

**Department of Mechanical Engineering**

**Activity Based Learning Activities**

Name of Faculty : Votarikari Naveen Kumar

Subject Code : EME302

Subject Name : Metrology and Measurement

Year /Semester : III/VI

List of activities :

|  |  |
| --- | --- |
| S.No | Description of the activity |
| 1 | Measurement of Least counts and ranges of Vernier and Microscopes available. |
| 2 | Measurement of all dimensions of the one mechanical component |
| 3 | Angles measurement by bevel protractor and sine bar |
| 4 | With unknown gear tooth, measurement of elements with help of Vernier instruments |
| 5 | Measurement of depth using telescopic gauge. |
| 6 | Measurement of clearance with help of feeler gauges |
| 7 | Measurement of Fillet radius with radius gauges. |
| 8 | Temperature measurement and force measurement practically with load cells |

**Signature of the Faculty**