

# **K. RAMAKRISHNAN COLLEGE OF TECHNOLOGY**

## **DEPARTMENT OF CIVIL ENGINEERING**

### **STRENGTH OF MATERIALS LABORATORY**

Demonstrating the basic principles in the area of strength and mechanics of materials and structural analysis to the undergraduate students through a series of experiments is the objective of the strength of materials lab. Measuring the properties of the materials such as impact strength, tensile strength, compressive strength, hardness, ductility are conducted in the lab.

Laboratory In-charge	: Mr. N.PRAKHASH M.E.,
Technical supporting staff	: Ms.N.KASTHURI DCE
Area of the laboratory	: 113.97m <sup>2</sup>
Established year	: 2012
Established cost	: Rs.1,92,3463.39





### **MAJOR EQUIPMENTS:**

1. UTM OF 400KN CAPACITY
2. BRINELL HARDNESS TESTING APPARATUS.
3. TORSION TESTING MACHINE
4. ROCKWELL HARDNESS
5. BRINELL HARDNESS
6. BEAM DEFLECTION
7. EXTENSOMETER
8. COMPRESSOMETER
9. DIAL GAUGES
10. MUFFLE FURNECE
11. LE CHATELIER APPARATUS
12. METALLURGICAL MICROSCOPE
13. SPRING TESTING MACHINE
14. VICAT''S APPARATUS
15. MORTAR CUBE MOULDS

## 16. FLEXURE TESTING MACHINE