



National Education Society (R)

**JAWAHARLAL NEHRU  
NATIONAL COLLEGE OF ENGINEERING, SHIMOGA**

## **MECHANICAL ENGINEERING**

### **Research Laboratories:**

The department has got the following research laboratories, where research activities are continuously carried out.

#### **3. Vibration and Condition monitoring Laboratory**

The Condition Monitoring Lab was established in the year 2011 at a cost of Rs. 10 lakhs with financial support from Visvesvaraya Technological University (VTU), under Research Promotion Scheme (RPS). The lab was set up with an objective to carry out Research in the area of Condition Monitoring. The lab has following facilities;

1. VIBXPERT - Two channel FFT data collector and vibration analyser.
2. Shock Pulse Analyser A 2010
3. ENTEK IRD Sound Level Meter
4. Raytek Laser temperature indicator.

A research on “Study on Reliability Based Maintenance of Machine Tools Using Vibration Signals” was carried out and completed successfully. Apart from this several undergraduate and post graduate projects are being carried out. The facility is also used for consultancy work in local industries on machine condition and training to professional and students.