

Test Cases

The final device will have the following features,

Record the operating time of demolition hammer.

Display the recorded time on LCD display.

Battery operated.

Able to attach itself to the demolition hammer (Can make the device universal).

Easy user interface.

Ability to store recording for few previous recordings.

The entire project is divided into four major sections,

Timer configuration and time retrieval.

MPU6050 Accelerometer configuration and vibration detection.

Interfacing of all modules and individual functions required for the overall device.

Circuit and PCB design