

# MPU Sensor\_Module

## Module Responsibility :

- Read accelerometer data
- Read gyroscope data
- Convert raw sensor data into meaningful physical values

## Output :

- Calculated vibration derived from accelerometer and gyroscope data
- Vibration level (No\_Vibration,low vibration,medium or high)

## Module Design



*I2c\_Write*  
*I2c\_Read*

