**ASSIGNMENT-1**

**EMBEDDED SYSTEMS SOFTWARE DESIGN**

**(SENG8000-14F-SEC1)**

**SUBMITTED TO: ALLAN SMITH**

**DUE DATE: SEPT.26, 2014**

**GROUP MEMBERS:**

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-Notes

Instead of gyroscope we are using accelerometer here.

The sensitivity is calibrated such that, during small shakes alarm won’t be triggered and it will happen only if there is significant amount of movement.

We have used ISR for the minimal purpose only, and calls to LED related functions are based on this flag setting options occurring in ISR.

Also special care is given to make sure that only the necessary components are executed in each stage, by checking the respective flags.