# Report Matters

**Page allocation (Total 10 pages, requirement around 8 pages) Total 60 marks**

* 1 page: content table, intro and objectives
* 3 pages: Flowcharts (10 marks)
* 2-1.5 pages: Detailed implementation
* 2-2.5 pages: Enhancement
* 2 pages: Significant problems, Suggestions, Conclusion

**Grading Criteria**

* Report (10 marks)
* Ability to use device interrupts and their understanding
* Extent of UART implementation, such as whether wireless UART has been implemented
* Responsiveness, performance and robustness of the system, good design with a full implementation
* Marks are awarded for reports that are more complete
* Extent of the application logic enhancements as described in section 1.4, and several other factors that demonstrate the ability to learn independently and program for computer interfaces (10 marks)

# Presentation Matters

**Questions**

1. how does accread work
2. How does lightread work
3. How temp related to msticks
4. How temp sensor work why divide by denom?
5. how Systick handler, interrupt handler works (describe using processor clock speed)
6. what happens if interrupt not cleared
   1. stuck in interrupt handler as interrupt is triggered again upon exiting handler
7. how climb, emergency, extra features work
8. how many interfaces in I2C, which devices use I2C? (check library import of each driver function)
9. UART, LEDARRAY questions
10. How many GPIO are there
    1. 4
11. Can you configure all the GPIO?
    1. No (which ones cannot be configured)
12. How and why the interrupt is configured
13. How I2C works
14. 7 segment (true and false whats the difference) how it affects code overall
    1. Raw mode for true (hexa number)
15. UART what is blocking and non-blocking
16. green led why cannot just off it using code
17. What happens if you insert the green led jumper? Does it affect oled?
    1. No
18. Where is the accelerometer on the board

