

## **Week 6 Status Report - Rev 0**

### **General comments**

- The material you prepare should be very useful for the final report, your Power Point presentation in Week 10 and for the quad chart.
- 4 pages max as described below

### **Format**

#### **First page contains**

- ECE number and project title
- Group captain with email address followed by team members and designation ECE/MEM etc
- Brief description of what your team is doing (revised if necessary) from PQF

#### **Second page**

- Block diagram of the system with as many details as possible that are important - such as if the system uses a com link what is it, show inputs and outputs, if a motor exists show what kind of power amplifier (PWM. Linear, FOC) ; if there is important code show a block such as FFT, max value etc.
- This is your best thinking so far – it can change

#### **Third page**

- Operational description of how the system you are building works
- e.g., what we did using a state diagram to describe the operation of the scale in Week 2
- If you have trouble with a state diagram then a bulleted list showing how it should work can be used
- This should match the ideas shown in the block diagram and be as complete as possible (3 bullets are unacceptable)

#### **Fourth page**

- Mapping of key components to the block diagram
- any items/components the need to be purchased or procured/borrowed - a high level parts list (not resistors but things like motors or Arduinos, power amplifiers or other larger items)
- last year many groups did not order parts until Feb - they ordered things too late! The team needs to identify key components and order BEFORE December.

### **Committee Evaluation**

- If the committee can understand what is going on from your document - the team is “good to go” - no meeting is required,
- If the committee has questions or cannot understand what is going on - then a meeting is needed in week 7 for clarification or your team may be asked to clarify by email. Your team captain will be notified by email on the status.
- All or most group members must be present if a meeting is required.