

ECS Project Information Form

Name: Nathaniel Fallow
Course : ENGR 301
Supervisor : Andre Geldenhuis
Project Name: Rocket Avionics Package (Project 12)
Project Description: Design and construction of an active stabilization system for amateur rockets.

RISK ANALYSIS

Does your project contain anything that can cause serious harm or death?

eg building /modifying things with voltages over 60V, Chemicals, Moving machinery (eg Tank/Marvin) , Flying components (eg Phantom UAV, Plane), Bodies of water.

YES ☒ (Major)

NO ☐

If Yes

Please contact the School Safety Officer or Electronics Technicians to talk through your Safety Plan

Otherwise

Does your project contain anything that can cause harm or Injury?

eg building /modifying things with voltages up to 60V, Moving machinery (.eg. desktop Minions), Flying components e.g. (micro Quad rotor, Parrot AR Drone, heavy items)

YES ☒ (Medium)

NO ☐

If Yes, please Complete a Safety Plan, and send to Safety Officer

Everyone to complete.

Does your project use Computers ?

YES ☒

NO ☐

Describe how you will manage computer related risks such as Occupational Over Use, Cable management, etc.

Eg taking breaks, Keeping cables tidy and not messy, etc

Team members working on the software for the project will be required to take a five minute break once an hour. This will give both physical and mental rest, lowering the chance of fatigue and repetitive strain injuries to the wrist. Additionally, team members will not work for more than four consecutive hours on the project. This is to further help prevent overwork and stress, including from over-focus on project work to the detriment of other coursework.

Team members will be advised to take care with stray cables crossing walkways – this is especially important around dangerous equipment others may be operating, such as soldering irons and rocket ignition switches. Keeping good cable management is an easy way to lower a trip hazard and improve safety of the project.

Admin

Is your Project it may be both.

In-house eg internal school project ☒ Industry based or have an external client ☐

In your project will you be working or testing at any industry workplace or external sites

YES ☒ NO ☐

Have you been Health and Safety inducted into the industry workplace or external sites

YES ☒ NO ☐

Does your Project use human test subjects?

YES ☐ NO ☒

Will you have Ethics Approval before you start testing ?

YES ☐ NO ☒

If you have any doubts on which category your project falls into please contact the School Safety Officer, to help evaluate the safe risk.