ECS Project Information Form

Computers are an integral part of all projects.

Name:	Elliott Andrews		
Course :	ENGR 489		
Supervisor :	<u>Jim Hinkley</u>		
Project Name:	Renewable energy soluti	ons fo	for schools
Project Description	n:		
schools. Students w and then examine the providing battery sto	ill conduct simulations to ex ne match with expected der	stimate nand. ⁻ vill nee	ing renewable energy generation on ate the yield of PV and small wind systems, d. They will also examine the cost/benefit of eed to estimate approximate system costs to and the business case.
called the System A to obtain estimates	dvisor Model. In addition, coof the installed costs of sys	ontacti tems. F	d running simulations in a free software tool cting suppliers of renewable energy systems. Furthermore, attempting to approach seasonal patterns of energy consumption.
eg building /modifying the components (eg Phanto	ontain anything that can cau nings with voltages over 60V, Ch m UAV, Plane), Bodies of water.	emicals,	als, Moving machinery (eg Tank/Marvin) , Flying
YES □ If Yes Please conta your Safety F	•	NO r or Ele	■ Electronics Technicians to talk through
Otherwise			
eg building /modifying th	ontain anything that can cau nings with voltages up to 60V, Mo Quad rotor, Parrot AR Drone, he	oving ma	machinery (.eg. desktop Minions), Flying
YES 🗆	(Medium)	NO	lacktriangledown
If Yes, please Complete a Safety Plan, and send to Safety Officer			
Everyone to compl	lete.		

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

Eye Sensitivity and Sleep:

Most computers have a screen orange filter for evening hours. For Windows 10, this is 'Night light'. I will schedule Night light for working after sunset (about 7pm), which will fill the screen with orange light (minimizing the blue light), which will benefit sleep after computer use in the evening.

Taking Breaks:

I estimate that the maximum use (before taking a break) for using the computer should be approximately two hours. After this time, I will encourage myself to take a 20 minute break, to go for a walk, shower, stretching, lunch etc...

Desk Setup:

Dependent on where I am setup, the most common setup will include things such as:

- Water Bottle Filled Up (For hydration)
- Mouse (Wireless or wired, charged or cable easily extendable)
- Keyboard (Wired, and elevated with cable also to be easily extendable)
- Headphones (For spaces such as the Blue Zone, and general use, extendable cable)
- Phone (For emergencies, vibration on, focus mode on)
- Desk chair (Appropriately spaced, forward facing, should have back rest)
- Chargers (Should be plugged behind or side for each device)

Food and Drink:

As mentioned above, a water bottle is okay to have on the desk, other food should not be consumed near the computer or in the lab. It is recommended to fold away the computer (if portable) or step outside for breakfast, lunch, and dinner, to a table for eating.

Video and Sound:

Generally, I do not listen to music during studying, but if needed to watch videos or join Zoom meetings, my sound should be at a low, comfortable, and hearable level. I trust the computer to automatically adjust my microphone level, and my camera should be at a level well centred.

Room Observation:

Before computer work begins, all object such as books, dishes etc.. should be moved 1 meter away if possible and practical. Cables should be reasonably tied down and should generally follow down the back of the computer to a safe and secure power plug/box

Common Sense:

Perhaps the most important trait for computer use, is common sense. Everything that hasn't been listed can be covered well by common sense and responsibility for using public computers and my own computer.

General Project information -Is your Project (it may be be both.) In-house Industry based or have an external client eg internal school project In your project will you being working or testing at any industry workplace or external sites. This includes meetings at client offices, or visits to sites. Will try to contact schools remotely first 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 Δ Will you have Ethics Approval before you start testing? Will provide schools with an ethics declaration, including privacy (Assumed) YES \square NO concerns and information use

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