

RISK REGISTER FOR EMBEDDED SYSTEMS PROJECT

Group Number:	22		Submission Date:	11/4/2018	
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Project Risk	Severity			Potential			Score (Severity x Potential)	Mitigation Measures	Owner
	L	M	H	L	M	H	L=1, M=2, H=3		
Sensors circuit Soldering	•					•	3	Ensure that fume cupboard is right next to soldering and keep face away from fumes at a distance of 40cm. for heat, hold the solder pen from plastic area and always return solder pen to stand. When soldering, keep pen away from people around.	The one who is soldering and anyone close
Measuring motor torque: Laser tachometer		•		•			2	Ensure that no one's eyes are anywhere near the measurement area.	Other people around you
Measuring motor torque: Severe heat of motor could burn you	•			•			1	Take measurements for short periods and Let motor cooldown for minute intervals or use a digital thermometer if available to ensure motor doesn't get too hot	The one taking motor torque measurements
Measuring motor torque: high current through motor			•	•			3	With great certainty, ensure that all wires from the power supply unit to motor are covered with plastic. Also ensure that metal end	The one taking motor measurements

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								leads are completely inside their sources and not exposed.	
Heavy equipment: during load measurement and motors lab		•		•			2	Make sure no weights are in precarious positions at a significant height and handle with care when transporting.	The one using the weights and people around them
Team member unavailable due to extreme reasons		•		•			2	Amend schedule to perform missing team work in contingency and review new deliverables. Carry missing team member's work by allocating multiple current resources.	The entire team
Eye fatigue from using computer	•				•		1	every 20 minutes blink eyes slowly to remoisten them. Use glare proof screens	One using computer
Missing deadlines for major milestones			•	•			3	If missing the deadline is expected at current pacing then group has to increase group meeting to monitor progress and set deliverable at every meeting and get guidance from tutor and unit coordinators. And after create a new schedule with the new deliverable and make sure everyone understands their roles and deadlines	The entire team
Incorrect lab measurements			•	•			3	Before lab measurements, Review the criteria of the lab and lab instructions. Write what measurements these criteria affect. Write	The entire team

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								down the experiment control measures. When taking measurements, take a picture of lab setup for reference to see if mistake is serious.	
Buggy: Battery damaged		•		•			2	First visually check if battery is physically damaged. Check battery if expected voltage and current output match the battery specification. If there is something out of place dispose of battery.	One using battery and team if battery taken on race

We confirm that all group members participated in the production of this risk register: Yes / No