

Risk assessment group project guide

What kind of risks can come up?

Legal

Social

Commercial

Ethical

Professional

Not every category is important to the group

First identify likely risks

Describe the prudential impact of the risk

State how you will mitigate the risk

Examples legal risk

False advertising claims such

Impacts- fines or lawsuits

Mitigation- ensure performance tests match with advertised claims

Example social risk

Digital divide

Impact users with lower teach literacy may struggle with app-based controls

Mitigation- provide voice commands and physical buttons as an alternative

Commercial risk

Risk- competitive market

Impact- similar devices already exist which may reduce potential sales

Mitigation- emphasise unique selling points, such s logging of bird history or how many times this bird was spotted in this area

Ethical risk

Risk- environmental damage

Impact-

Mitigation- implement low energy modes or solar panels instead of batteries

Professional risk

Risk- slow development

Impact- increased workload near the deadline, leading to lower quality work

Mitigation- APPLY AGILE PRINCIPLES, SET FIXED WEEKLY MEETINGS

Further risk analysis

Probability consequence matrix

		Likelihood				
		Frequent	Probable	Occasional	Unlikely	Most Improbable
Severity	Catastrophic	High	High	High	Medium	Medium low
	Major	High	High	Medium high	Medium	Low
	Moderate	High	Medium	Medium	Medium low	Low
	Negligible	Low	Low	Low	Low	Low

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Work Activity / Item of Equipment / Procedure / Physical Location	Hazard	Control Measures and Consequence of Failure	Likelihood (0 to 5)	Severity (0 to 5)	Level of Risk
UK Travel	Travel by train	<ul style="list-style-type: none"> Travel should be by recognised supplier. Suitable insurance should be in place. If driving a University vehicle, Driver to be approved by school and on list of approved drivers. Vehicle to be properly maintained by vehicle owner. 	1	4	4
	Leave Monday 27 th January, return Wednesday 29 th January	<ul style="list-style-type: none"> Travel arrangements should, as far as possible, allow arrival at the destination during daylight hours and avoiding any high-risk times 	1	4	4
	Public transport accident	<ul style="list-style-type: none"> Follow safety protols and guidance given by safety officials Alert SHEW Manager as soon as possible 	1	5	5
Equipment	Unsafe equipment	<ul style="list-style-type: none"> Complete visual inspection of equipment before use Check third party's Safety Management System if unsure 	1	4	4
Accommodation	Fire safety	<ul style="list-style-type: none"> Book accommodation in approved third party venues Make yourself aware of the Fire Safety Procedures and nearest fire exit. 	1	5	5

You wont have time to present a full/likelihood severity analysis in the funding pitching instead you could use it to identify key risks then state how you will mitigate these

Take homes

Risks fall into different categories

Identify the potential impact of risk

State how you will mitigate risks

Assess likelihood and severity to prioritise the most critical risks