

Risk	Risk rating calculation
Covid-19	15 (3*4) + 3
Hardware	12 (3*3) + 3
Internet	10 (3*2) + 3
Electricity	7 (3*2) + 3
Fire hazard	8 (5*1) + 3
Physical health problems	6 (3*1) + 3
Flood	6(3*1) + 3

All the risk ratings are inflated by a value of 3 to compensate for ratings with high severity and low risk and vice versa, which are would otherwise carry a low risk score, despite having potentially detrimental effects.

The risk rating calculation (see **Figure 2**) is categorised through a range of different values.

Low risk – Rating values of greater than 3 and lower than 7

Medium risk – Rating values greater or equal to 7 and less than 10

High risk – rating values exceeding 10

Figure 1

KEY	
RISK SEVERITY	RISK LIKELIHOOD
Acceptable (Little to no effect on event)	Unlikely (Risk is unlikely to occur)
Tolerable (Effects are felt, but not critical to outcome)	Possible (Risk will likely occur)
Undesirable (Serious impact to the course of action and outcome)	Highly possible (risk is very likely to occur)
Intolerable (Could result in disaster)	

Figure 2

RISK NAME	BRIEF DESCRIPTION	RISK SEVERITY	RISK LIKELIHOOD	RISK RATING CALCULATION
COVID-19	May cause absence which will lead to falling behind	Undesirable	Highly possible	High
hardware malfunction / destruction	Destruction of one or more computer components, rendering my computer severely disabled / unusable	Undesirable	Possible	High
internet disruptions	Any factor that could potentially disrupt and cease connection to the internet, i.e. due to damages from severe weather conditions, or intentional damage to network infrastructure in local area by vandals	Tolerable	Possible	Medium
electricity disruption	Power cut due to severe weather conditions / accidental human error or emergency maintenance	Tolerable	Possible	Medium
fire hazard	Fire in my property could lead to extensive damage to equipment, my body, and may lead to emergency evacuation	Intolerable	unlikely	Medium
Sickness	Any physical injury sustained during this project period, leading to incapacity, i.e. stroke, heart attack, broken bones	Undesirable	unlikely	Low
Malware or other malicious software	Unknowingly downloading any malicious software that can make unwanted changes to my files, or steal data such as usernames and passwords, which enable the software to hack my GitHub.	Undesirable	unlikely	Low

	MITIGATIONS / Notes
RISK 1	Contact line manager about absence, determine whether or not deadline extension is needed / work overtime + weekends. Mitigation methods: take vaccine, stay isolated.
RISK 2	Contact Operations for laptop replacement, find a backup system to work with in the meantime. Potentially borrow a device from a family member, make continuous commits to git to ensure up to date program is worked on.
RISK-3	Investigate the extent of disruption by contacting my ISP/tech support. Find alternative means of connecting to the internet (e.g. different accommodation or hotspot). the issue could be easily fixed in a few hours, or a few days, and therefore the mitigation method will vary.
RISK 4	Investigate the cause of the power cut. Possible and likely explanations may be a One-off powercut due to human technical error, or a power cut due to severe weather conditions. It is unlikely to cause significant problems
RISK 5	Fire alarms will warn of potential fire outbreaks, and immediately calling emergency services can mitigate the damage. in the event of total destruction, temporary accommodation can be sought to continue project
Risk 6	Staying healthy by not consuming anything harmful and regularly exercising, additionally, avoid any activity that could potentially cause damage to the body.
Risk 7	Downloading anti-virus software, proceeding with caution when visiting suspicious websites, and not downloading any suspicious files

