15802	RISK DESCRIPTION	TREND	INHERENT	CURRENT	RESIDUAL
	IAP: s5138877, Barber Jessy - Investigating the Health of a Footbridge using LoRaWAN technology		Medium	Low	Very Low

RISK OWNER	RISK IDENTIFIED ON	LAST REVIEWED ON	NEXT SCHEDULED REVIEW
Jessy Barber	14/03/2023	14/03/2023	14/03/2025

RISK ACTIVITIES	RISK FACTOR(S)	INHERENT	EXISTING CONTROL(S)	CURRENT	PROPOSED CONTROL(S)	TREATMENT OWNER	DUE DATE	RESIDUAL
Electrical equipment Will often handle sensitive electronics during the design and build process of the project. Will often use high voltage/current capable electrical equipment such as power supplies.	Risk of electrocution and short circuiting components. Risk of blowing a component and inhaling toxic fumes.	Low	Control: Ensure the workplace is clear and eye protection is worn. _____ Control: Ensure that adequate training for electrical equipment has been attained.	Very Low				Very Low
Soldering electrical connections Soldering electrical connections between electronics with a soldering iron in an electrical engineering lab.	Soldering electronic connections. Risk of burns & inhalation of solder fumes.	Low	Control: Eye protection and gloves. _____ Control: Extractor fans / ventilation.	Very Low				Very Low
Working on the footbridge Fastening three sensor nodes in their enclosures to the Griffith footbridge.	Sensor nodes need to be fastened to the footbridge. The footbridge is situated over busy highway traffic. There is a risk of dropping equipment onto the road below and causing an accident.	Medium	Control: The footbridge has protective railing.	Low	Design the module to be as small and lightweight as possible. Design a secure fitting so that there is no chance of the sensor nodes falling. _____ Plan where the sensor nodes will sit along the bridge before implementation. Gain approval from supervisor for field implementation of equipment. Conduct implementation on	Jessy Barber Yong Zhu	15/04/2023 14/04/2023	Very Low
Vibrating beam experiment	Risk of crushing or physical injury if not	Low	Control: Cannot enter labs without enclosed	Very Low	Ensure the space surrounding the experiment is clear. Ensure	Jessy Barber	31/03/2023	Very Low