

1. Activity or Task Based Risk Assessment [Ref Number: 46245]

Name	Analyze tropical cyclone properties from satellite imagery	Current Rating	Residual Rating
Location	Clayton - 14 Alliance Lane - Engineering 72 (72) - Level 02 - 210	Medium	Medium
Business Unit		Last Review Date	Risk Owner
Dean Faculty of Engineering		17/03/2023	JASON PHUONG TAY
Risk Assessment Team		Risk Approver	
SIVASUBRAMANIAN GAYATHRI THANGAVEL (Student) SHAKTHI PRASHANTH CHAMPAKA (Student)		Elizabeth Ann Ritchie-Tyo	
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Additional Notes			
Describe task / use			
Analysing tropical cyclone data			

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Risk Factors

Risk Factor

4.3 - Musculoskeletal stress from awkward posture or repetitive movements

Description

Risk of muscle pain or long hours of working on the computer

- 1.0 - Fixed plant (e.g. cool rooms, fume cupboards, safety showers, boilers, lathes, lifts, gas mains, PET scanners) -- No
- 2.0 - Transport and mobile plant (e.g. motor vehicles, forklifts, walky stackers, trolleys and wheelbarrows) -- No
- 3.0 - Powered equipment, tools and appliances (e.g. computers, workshop equipment, kitchen equipment, gas cylinders) -- No
- 4.0 - Non-powered handtools and equipment (e.g. furniture and fittings, ladders, handtools, packing equipment, glassware) -- No
- 5.0 - Chemical materials (e.g. dangerous goods, hazardous substances, poisons and drugs) -- No
- 6.0 - Materials and substances (not otherwise selected from category 5.0) -- No
- 6.3 - Fire and smoke -- No
- 7.1 - Outdoor working environment (e.g. carparks, walkways, outdoor stairs) -- No
- 7.2 - Indoor working environment (e.g. internal rooms, floor surfaces, stairwells) -- Yes
- 8.5 - Biological materials (e.g. animals, non-living animal materials, microorganisms) -- No
- 8.4 - Personal impairment and/or interaction (e.g. pre-existing medical condition, assisting a patient) -- No
- 9.1 - Psychological (e.g. stressful situations) -- No

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Low	Low
Existing Controls	Proposed Controls
<ul style="list-style-type: none">• 4 - Engineering control measure: Use an adjustable ergonomic chair.• 5 - Administrative control measures: Take breaks from sitting on the chair. Do some stretches.	

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Risk Factor	5.7 - Electricity
Description	
Risk of electric shock from electrical equipment.	<ul style="list-style-type: none"> • 1.0 - Fixed plant (e.g. cool rooms, fume cupboards, safety showers, boilers, lathes, lifts, gas mains, PET scanners) -- No • 2.0 - Transport and mobile plant (e.g. motor vehicles, forklifts, walky stackers, trolleys and wheelbarrows) -- No • 3.0 - Powered equipment, tools and appliances (e.g. computers, workshop equipment, kitchen equipment, gas cylinders) -- Yes • 4.0 - Non-powered handtools and equipment (e.g. furniture and fittings, ladders, handtools, packing equipment, glassware) -- No • 5.0 - Chemical materials (e.g. dangerous goods, hazardous substances, poisons and drugs) -- No • 6.0 - Materials and substances (not otherwise selected from category 5.0) -- No • 6.3 - Fire and smoke -- No • 7.1 - Outdoor working environment (e.g. carparks, walkways, outdoor stairs) -- No • 7.2 - Indoor working environment (e.g. internal rooms, floor surfaces, stairwells) -- No • 8.5 - Biological materials (e.g. animals, non-living animal materials, microorganisms) -- No • 8.4 - Personal impairment and/or interaction (e.g. pre-existing medical condition, assisting a patient) -- No • 9.1 - Psychological (e.g. stressful situations) -- No

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Medium	Medium
Existing Controls	Proposed Controls
<ul style="list-style-type: none">5 - Administrative control measures: Keep liquids away from electrical equipment. Make sure that all electrical equipment being used are in good condition and that they have up to date tags on them, to ensure they have been tested too.	

Appendix

Documents Referenced

<https://www.monash.edu/ohs/info-docs/ergonomics> for ergonomic principles for working with computers.

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Risk Matrix Level	
Negligible	No additional control measures required
Low	Manage by routine procedures at local management level
Medium	Management responsibility must be specified and response procedures monitored
High	Senior management attention needed and management responsibility specified
Extreme	Immediate action required and must be managed by senior management with a detailed plan