

Name	MAE FYP S1 2021 Development of PIV application	Current Rating	Residual Rating
		Medium	Low
Location	Off Campus: Office of a private residence		
	Business Unit	Last Review Date	Risk Owner
	Dean Faculty of Engineering	30/03/2021	JACOB PATRICK SEPHTON
	Risk Assessment Team	Risk Ap	pprover
	Additional Notes	Julio	Soria
	Additional Notes		
	Describe task / use		
Research and de	velopment of software application, primarily computer-based		



Risk Factors

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4.3 - Musculoskeletal stress from awkward posture or repetitive movements

Description

Prolonged sitting while writing, using computer, or reading

- 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) -- 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



Medium		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Existing Controls	Proposed Controls			
 4 - Engineering control measure: Use of ergonomic task chair with adjustable armrests and lumbar support 4 - Engineering control measure: Use of adjustable desk and full size computer monitor to facilitate correct posture 4 - Engineering control measure: Use of height adjustable desk and computer monitor to facilitate correct posture 	Description	Responsibility	Target Date	
	Setting up workspace to align with guidelines – see reference	JACOB PATRICK SEPHTON	10/04/2021	
	Standing up at least once an hour	JACOB PATRICK SEPHTON	10/04/2021	
	Standing up at least once an hour	JACOB PATRICK SEPHTON	10/04/2021	
	Re-evaluating this risk if any pain or discomfort develops	JACOB PATRICK SEPHTON	10/04/2021	
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Risk Factor	4.3 - Musculoskeletal stress from awkward posture or repetitive movements			
	Description			
Repetitive strain injuries from typing and mousing				



Medium			
Existing Controls	Proposed Controls		
 4 - Engineering control measure: Use of low-actuation-pressure keyboard 4 - Engineering control measure: Use of ergonomic mouse 	Description	Responsibility	Target Date
	Use of correct typing technique: neutral posture, floating hands, resting wrists and hands by using armrest when not typing	JACOB PATRICK SEPHTON	10/04/2021
	Ensuring keyboard is used in a front-and-center location without intervening objects as per guidelines – see reference	JACOB PATRICK SEPHTON	10/04/2021
	Take a break from typing and mousing every half hour	JACOB PATRICK SEPHTON	10/04/2021



Ris	k l	Fa	ıct	or

0.2 - Slips, trips & missteps (i.e. falls on the same level)

Description

Trips on level surface from obstacles in work area

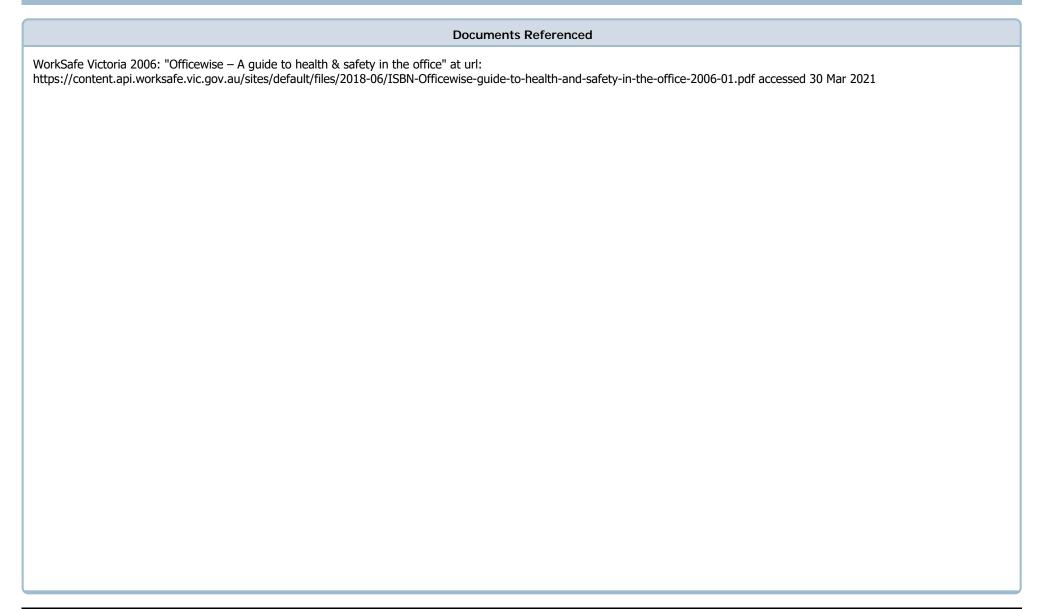
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Low	Low
Existing Controls	Proposed Controls
 3 - Isolation of risk: Ensure cords are routed away from traffic areas 5 - Administrative control measures: Keep objects off the floor in work area 	



Appendix





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	