MAPS

Banyo

SERF

Frank De Bruyne

Juan Cooper

Management and Assessment of Project Safety QUT Science & Engineering Faculty

Project D eta	ils		
Project title*	Honours Project - Raspberry Pi 4x4	Project #	5264
	Camera Array	Unit code (if applicable)	
		Unit code (if applicable) Unit coordinator	Maolin Tang
Start date*	29 February 2016		
Estimated end date*		Intellectual property ap	plies 🔲
Review date*	25 July 2016		
		Patents for new of Trademarks for let pictures, aspects of distinguish the good Designs for the shape Copyright for origing works, films, broad Circuit layout right circuits in integrat Plant breeders" right Confidentiality/trademarks for new or	r improved products or processes tters, words, phrases, sounds, smells, shapes, logos of packaging or a combination of these, to ods and services of one trader from those of anothe ape or appearance of manufactured goods nal material in literary, artistic, dramatic or musica dcasts, multimedia and computer programs ts for three-dimensional configuration of electronic ted circuit products or layout designs ghts for new plant varieties de secrets including know-how and other oprietary information
Approvers & Project owne Name* School/portfolio*	Participants r Ashley Stewart Electrical Engineering and compute	Student/staff ID* QUT Email address*	n8610754 aw.stewart@connect.qut.edu.au
Position*	U/G Project Student	If other, please specify	
Contact (work)	0.1.0:1	Contact (alternative)	0414 995 360 CD \$ 44 (4450 34)
Campus	Gardens Point	Building	GP S-11 (1150-31)
Workflow app SUPERVISOR Name* Title Location	Donald Dansereau Postdoctoral Research Fellow, Robotics Gardens Point, S Block Level 11 1130	Email* & Faculty Contact (work) Contact (mob)	donald.dansereau@qut.edu.au Science and Engineering Faculty 3138 2285
Is Head of School, E	xecutive Dean, Faculty Manager or Institute Director a	•	Yes No
Technical staf	ff/area managers/other consultants/safe	ety personnel	
Consultation is a re	quirement for risk management under the Work Health	and Safety Act 2011 [Part 5, s 49].	
Please contact you	r consultant <i>prior</i> to nominating them on this form.		
	be an area manager or any other experienced personne note: links are for Staff level access only):	el who are able to identify risks and	provide advice in relation to your project or the
Area	Consultant	Email	
SEF Vehicles	Veronica O''Sullivan	v.osullivan@qut.edu.au	
SEF Labs	Technical staff/laboratory custodian		_

frank.debruyne@qut.edu.au

juan.cooper@qut.edu.au

ARCAA	Andrew Keir Tyaka Ringrose		a.keir@qut.edu.au tyaka.ringrose@qut.edu.au	
	nvironment Advisors; Health & Safe on Safety Advisors; SEF Health, Safe			-
martinsc	Steven Martin	<u>.</u>	steven.martin@qut.edu.au	Research Engineer
Out of campu	g at any of the following? s facilities (e.g., Banyo/SERF) or workshops within QUT			
Other projec	t participants			
	·			
V orkplaces	associated with the ta	sk/project:		
lease nominate al	workplaces you will be working in.			
			Robotics and Computer Vision	
		Campus Building/Level	Gardens Point S	11
		Room	SIFR (1150-31)	
		Location phone	- MA (,	
		Biosafety classification	NA (not applicable)	
		A - - :4: :f		
		Additional inform	nation location, access or other instructions)	
			workstation 1150-31, but potentially and circuitry work in Robot Workro	
rocesses				
rocess descriptio Provide a full descri	• •			ed. Attach copies of Work Instructions (Stand
through GPIO p are inside the a	ins, which are connected to verob	oard and an appropr entially going to be s	riate power supply. The Raspberry Pl some redesign and reconstruction of	rry Pis. The Raspberry Pis are supplied pov is and power setup are not exposed while th the power setup and case, with assistance
How many peop	le will be potentially exposed to the	risks and hazards po	osed by your activities?	3
	le will be potentially exposed to the	erisks and hazards po	osed by your activities?	3
Processes that will Does your work		risks and hazards po	osed by your activities?	3 Yes M
	require additional documents: Applies to electrical work with exp	osed energised elect	osed by your activities? trical circuits above 50V AC or 120V D ete and attach the <u>WI - Work on Ener</u>	Yes A

	2. Laboratory Safety 3. General Evacuation Instruction Health & Safety Induction and may also be required to complete ELMOs. NB: Undergraduates must have completed the and may also be required to complete Attach completed ELMO Certificates and list these courses in the Training section of the General Risk Form. ELMOs.		
Chemicals (including nanomaterials)?	All chemicals (starting materials, solvents, gases, etc.) that will be used must be identified and assessed (including consideration for storage, use, first aid, spill control, and waste).		7
Biological materials?	All biological substances (plant, human or animal sources, e.g., plant or animal tissues and fluids, micro-organisms, insects, GMO material, tissue culture, cell lines, soil and soil products, etc.) used in the workplace must be identified and assessed.	П	V
Radioactive sources?	Includes radiological sources, radioisotopes, radiation apparatus, X-rays and/or nuclear material.		
Working with Class 3B, 3R or 4 lasers?	Applies when working with lasers that produce an external beam with the potential to cause injury (Note: do not tick yes for lasers that are enclosed within equipment that have all manufacturer"s safety interlocks and controls in place). For Class 1 and Class 2 lasers, please address any risks on the General Risk Form.		7
Human and/or animal research that requires ethics approval?	Applies to work involving human and/or animal research (including use of QUT student/staff information, participation in surveys, interviews, or focus groups). See <u>Do I Need Human Research Ethics Approval?</u> and <u>Do I Need Animal Research Ethics Approval?</u> , and if unsure, contact <u>QUT Research Ethics and Integrity (OREI)</u> .		7
Field, outdoor, off-campus or overseas activities?	Applies to work involving activities such as site visits, field trips, roaming class excursions, overseas travel, exhibitions, displays etc.		7
Remote or isolated work?	Applies when you are isolated from assistance from others (including medical, emergency and rescue assistance) due to the location (e.g., field work), time (e.g., outside of normal business hours) and/or nature of your work or study (e.g., working alone).		V
Hazardous manual tasks?	 Involve repetitive or sustained forces Applies to tasks that: (* if Take almost all or a lot of your strength to do (e.g., heavy items, high forces) Use vibrating tools or equipment for longer than recommended in the manufacturer"s guidance30mins or more or for Involve repetitive tasks (with short task cycles)* Require sustained or awkward postures* 		
Exposure to high noise levels?	 The noise in the workplace seems very loud; You have to raise your voice to be heard or have difficulty communicating when close to the noise source; You experience ringing in the ears or blurred hearing after work; The equipment has noise emission information that indicates noise above 85dB; 		7
Working at heights?	Applies to work where: • A potential exists to fall (including working off ladders, scaffolding and platforms, on high plant structures, and on roofs); • Work could be carried out in the vicinity of an unprotected edge; • Falling objects (tools, equipment, etc.) could cause injury or damage (to people below or equipment/structures).		V
Comments			

HAZARD	
Description	
Potentially exposed wires and power equipment for Raspberry Pi array.	
Details of hazard/Associated risks Risk of electrical shock	
Control measures	
Substitution	

Details:

Isolation					
_Barriers				▼	
Details:					
Exposed wires and ele	ectrical equipn	nent contained within case	Э.		
Comments on control me	asures				
TIKETHIOOD CONSEC	NUENCEC & DU	CV.			
LIKELIHOOD, CONSEC Likelihood		- Could occur at some tin	пе		abla
Consequences	Minor - F	First aid treatment required	d, some environmental and/or financ	ial impact	▽
Risk level	Low Ma	anage through routine pro	cedures		
L emergency procestribe all first aid and accide fighting equipment).			ready fully described above (e.g., incl	lude gas sensors, ei	mergency s
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Acknowledg	gment & Approval			
	acknowledgment box, you confirm tha ed in order to ensure your safety.	t you have read and understood all the information mention	ned on this project and will fo	llow all
A private dialog	field is provided for comments relating	to the approval process. Please use this as required.		
ID	Name	Comment	Date	Project i OK?
		PROJECT OWNER		Yes
n8610754	Ashley Stewart		04/04/16	V
	TECHNICAL STA	FF / AREA MANAGERS / OTHER CONSULTANTS		Yes No
martinsc	Steven Martin		04/04/16	
	_	SUPERVISOR		Yes No
danserea	Donald Dansereau		04/04/16	
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