

Faculty of Engineering & Information Technology (FEIT)

Hazard Checklist



Hazard Identification Checklist	Yes	No
<i>Considering the specifics of your Endeavour display, please review the list of hazards below and identify all that are relevant, by answering yes.</i>		
Biological Hazards Are human or animal tissues handled or processed?		☒
Chemical Hazards Will hazardous substances (hazsubs) or dangerous goods (DGs) be involved? If so, consider which hazard/precautionary statements and pictograms are relevant to students' appreciation of risk.		☒
Cold Will participants be exposed to extremely cold components or temperatures produced?		☒
Dusts Will the work generate dusts? Is there a potential these dusts could be hazardous or irritant?		☒
Electrical Hazards Can a person touch live electrical parts? Can a person be injured by electricity or components?		☒
Emergency Shut Off Are emergency shut off devices relevant to this session? Is everyone aware of location of E-stops?		☒
Entanglement Point Can a person become entangled in any moving part? Is guarding appropriate?		☒
Environment Does the environment introduce hazards e.g. outdoors/indoors? Consider other users of the space.		☒
Ergonomics Will participants be subject to muscle stress by the work? Consider extended standing/sitting. Encourage participants to take brief rest breaks every 30 – 45 minutes, to stretch, move and relax working muscles. UOM video tips for stretching and moving .		☒
Fall Hazards Can a person be injured by a fall from height?		☒
Fumes Is there any potential for the work to produce fumes? Could these fumes be hazardous or irritant?		☒
Gases Does the work require use of compressed gas? Are they plumbed or cylinders? What type of gas?		☒
Heat Will participants be exposed to hot components or high thermal energy procedure?		☒
Hydraulics Can a person be injured by pressurised systems or fluids?		☒
Noise Will a person have to talk loudly around the equipment? Will it exceed 85dBA from 1 metre?		☒
Pinch Point Can a person pinch, cut or shear a body part or piece of clothing in any moving part?		☒
Pneumatics Can a person be injured by pressurised air?		☒
Potential Energy Systems Can a person be injured from release of potential energy sources (i.e. springs)?		☒
Radiation Are radiation sources involved in the works? Consider X-ray, microwave, IR, lasers. UV exposure?		☒
Sharp Edges Can a person cut themselves on any sharp edges?		☒
Striking Can any part of plant or equipment being used strike a person?		☒
Vibration Could a participant be exposed to vibration? Consider use of plant and equipment?		☒
Weight Is a participant expected to carry or support more than 10kgs?		☒

Project Title: A Cost-Effective 4x4 Programmable Optical Switch

Project Code: E-12-LCHR-029