Initial Project Assessment - Current Risk

Faculty of Engineering

School of Electrical and Computer Engineeing

Initial Issue Date:	15/3/2024
Next Review Date:	n/a

Project Details	
User	*William Nicholas Marais - wmar9887@uni.sydney.edu.au*
Supervisor	*Phillip Hen Wai Leong - philip.leong@sydney.edu.au*
Title	*Design of a Formally Verified Block MiniFloat Multiply-Accumulator Unit*
Department or Research Area	*Computer*
Brief Description	*Coding a Multiply-Accumulator Unit in verilog, using Block MiniFloat floating point representation, and then attempting to formally verify it.*

Supervisor's Signature Philip Leong Digitally signed by Philip Leong Date: 2024.03.15 22:12:54 +11'00'

Date 15/3/2024

Task or Activity	**Hazard(s)**	**Associated Harm and Risk** What could go wrong?	**Existing Risk Control Measures** What controls are currently in place/implemented?	**Potential Consequence** (select category)	**Likelihood** (select category)	**Current Risk Rating**	**What to do next?**
There are no Tasks with a risk associated	*N/A*	*N/A*	*N/A*	*Minor injuries or discomfort. No medical treatment or measurable physical effects.*	*Could happen but probably never will.*	**Low**	*Obtain Supervisor's approval for this task. Undertake the work using existing risk control measures already in place/implemented. Manage risks as required along the project.*

FEIT Initial Project Assessment Template

High risk and very high risk tasks/activities are subject to documented Risk Assessments and Safe W

The FEIT Initial Project Assessment Form aims to provide a high level overview of the current risk for
If the current risk rating has been assessed as 'high' or 'very high' for a task/activity as part of a parti
All staff and HDR student conducting a project in the Faculty/Schools, must complete this form in co
The form should be submitted prior to commencing the project and starting work, and then reviewe

ork Procedures. New projects, regardless of the risk level, are subject to an Initial Project Assessment

nsultation with their Supervisor/Manager and then, if applicable, submit it to the School Safety Com

t. These records are to be kept locally by each functional group/area.

mittee for review (internal process to be determined by each School).

			Potential Consequences			
			Severe	**Major**	**Moderate**	**Minor**
			Fatality.	Injury or illness resulting in permanent impairment.	Injuries or illness requiring hospital admission.	Injuries or illness requiring medical treatment. Temporary impairment.
Likelihood	**Almost Certain**	Expected to occur regularly under normal circumstances.	**Very High**	**Very High**	**Very High**	**High**
	Likely	Expected to occur at some time.	**Very High**	**Very High**	**High**	**High**
	Possible	May occur at some time.	**Very High**	**High**	**High**	**Medium**
	Unlikely	Not likely to occur in normal circumstances.	**High**	**Medium**	**Medium**	**Low**
	Rare	Could happen but probably never will.	**Medium**	**Low**	**Low**	**Low**

Not Significant
Minor injuries or discomfort. No medical treatment or measurable physical effects.
Medium
Medium
Low
Low
Low

Research Areas

Biomedical
Computer
Photonics
Power
Software
Telecoms

Risk Ratings

Low	1
Medium	2
High	3
Very High	4

What to do next?

Obtain Supervisor's approval for this task. Undertake the work using existing risk control measures already in

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place and implement any additional controls as required. Manage risks as required along the project.

Prepare a detailed Risk Assessment for this task (additional risk control measures required). Obtain Supervisor's approval and submit to the School Safety Committee for review (if applicable in the School).

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