

Theoretical Design Marking Matrix								
Surname:					Student No:			
Section	Weight	0	1	2	3	4	Mark out of 4	Weighted Result
1	1	<b>Original Design and or, Technical Modification Considerations</b>						
		None	Very basic, too simplistic	Less than 50% of the technical aspects regarding design or modification considered	Most of the technical aspects regarding modification or design considered	All technical aspects of considered and accounted for		
2	1	<b>Design Calculations, Programming and or, Design Considerations</b>						
		None	Between 0 and 2	50% present and correct	Between 2 and 4	Complete, correct and realistic		
<b><i>Each student must present either Alternative 1, or Alternative 2</i></b>								
3	2	<b>Alternative 1, Design Simulation</b>						
		None	Partly functional simulation, missing fundamental details	Partly functional simulation, showing various plots, missing significant details	Completely functional simulation, showing various plots as deemed appropriate, missing minor details	Completely functional simulation, showing input and output signals including various plots as deemed appropriate, good logical layout		
4	2	<b>Alternative 2, Explanation of Functional Components as an alternative to Design Simulation</b>						
		None	Student knows very little about the technical aspects of the project. Few reasonable and logical assumptions have been made.	Explanation of each component of the project is not comprehensive. Some reasonable and logical assumptions have been made.	Explanation of each component of the project is comprehensive. Small omissions regarding assumptions.	Explanation of each component of the project is comprehensive. Reasonable and logical assumptions have been made		
			<b>Percentage</b>			<b>Total (out of a max of 16)</b>		