

ENGINEERING FOR PEOPLE DESIGN CHALLENGE MARKING CRITERIA



Marking Criteria		Mark Allocation				
		1	2	3	4	5
1.	Appreciation of the context					
a.	Demonstrate inclusion of the social/ community context	No consideration	Some reference but little/no connection to the design	Description of context and some connections made to design	Good description of context and relevant connections made to design throughout the design process	Detailed description of context. Excellent connections made to design throughout the design process
b.	Demonstrate inclusion of the environmental context	No consideration	Some reference but little/no connection to the design	Description of context and some connections made to design	Good description of context and relevant connections made to design throughout the design process	Detailed description of context. Excellent connections made to design throughout the design process
c.	Demonstrate inclusion of the economic context	No consideration	Some reference but little/no connection to the design	Description of context and some connections made to design	Good description of context and relevant connections made to design throughout the design process	Detailed description of context. Excellent connections made to design throughout the design process
2.	Reasoned solution					
a.	Demonstrate methodical assessment process to select preferred option by comparing design options against criteria	Little/no methodical assessment process used	Some attempt to use a methodical assessment process. Poorly documented	Some methodical assessment process used. Well documented	Good methodical assessment process. Well documented, logically presented with clear communication of relevant design iterations.	Detailed, well-reasoned and methodical assessment process used. Well documented, logic excellently presented, design iterations clearly considered.
b.	Demonstrate consideration of implementation of design and predicted difficulties	No consideration	Little consideration given to aspects of implementation	Some thought given to aspects of implementation. Basic implementation plan provided.	Good appreciation of aspects of implementation. Clear implementation plan provided.	Detailed appreciation of aspects of implementation. Well designed and appropriate implementation plan provided.
c.	Evidence of reflection and critical thinking	Little/no reflection	Reflection provided but lacks any analysis or depth of evaluation	Reflection provided and some analysis and depth of evaluation	Good reflection provided with analysis and depth of evaluation with examples given of how the process and/ or teamworking can be improved.	Deep reflection provided with analysis and depth of evaluation with detailed examples given of how the process and/ or teamworking can be improved