ENGG102 Project 1A Beam Design and Reflection Report: Assessment sheet

Lab session number: 3 Instructor's name: Mr. Ahmed Mohamed

Team Number: Date and time of exercise: 24.01.2024 10:30

Names and ID Numbers:

Aspect	Comment	Mark
Appendix A: Minutes of Team Meetings (evidence of teamwork)	**Minus 2 marks if Minutes of Team Meetings (more than one!) are not included with this Report**	
Appendix B: A completed copy of your Team Ground Rules Contract Form	**Minus 2 marks if a copy of your Team Ground Rules Contract Form is not included with this Report**	
Structure of report, team information etc (as per "what report should contain")	0.5 mark for each item 3-12 (see Report structure provided above)	/5
Overall Presentation	Neatness Spelling Grammar Diagrams Professionalism	/10
Brainstorming and rationale: List 2 distinct proposals Reasons for selection of prototype	Must show evidence of developing at least two distinct design ideas and variations/improvements to one.	/5
Description of beam Drawing/sketches with dimensions	Describe the principle behind the design. Accurate line drawings or neat and clear sketches with all important dimensions (should enable tutor to build the same structure)	/20
Results including comparison with other team(s) WHAT happened!	Comparison table of all results. Discussion of results with commentary on table and main factual findings. Describe the main failure mechanisms.	/10
Reflections – identify some reasons for the performance of your beam and other teams. WHY it happened! Consider the various aspects of the task (fabrication, material use). Discuss how it might be improved, what knowledge might be needed, & design criteria considered.	To achieve top marks (35-40/40) in this section your report must demonstrate clear and insightful reflection considering own solution and others in the class. Demonstrates further reading and critical analysis. To achieve 25-35/40 your report must describe the performances of your solution and some others. Itemisation of knowledge gaps and some critique of designs. To achieve 0-25/40: Describes own solution with limited reference to other beams.	/40
Mapping of learning outcomes	Identifies all the relevant outcomes from subject outline and discusses how well each is addressed.	/5
Conclusion	1 or 2 paragraphs that draw appropriate conclusions from evidence presented in report. Include the main results, both numerical and qualitative.	/5
Total		/100

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