

Group # _____ Preliminary Project Report Grading Form ENGG*3100: Winter 2010

Outstanding										Unacceptable/missing
10	9	8	7	6	5	4	3	2	1	0

Category

PROBLEM DEFINITION

Intro, background & problem statement (8 marks)	Clearly and concisely identifies and discusses the problem and context.	Identifies and discusses the problem and context	Identifies the problem and context	Presents a general statement of the problem or context.	Fails to identify problem or context.	____ x 0.8/8
Criteria, constraints and assumptions (6 marks)	Clearly and concisely identifies and discusses the most important constraints, assumptions and criteria	Identifies and discusses major constraints, assumptions and criteria	Identifies the constraints, assumptions and criteria	Identifies a few constraints, assumptions and criteria	Fails to identify any criteria, constraints or assumptions	____ x 0.6/6
Literature review & references (6 marks)	Provides extensive critical review of relevant prior research and state of the art. Many references to expert opinion and/or databases are included.	Provides good critical review of relevant prior research and state of the art. Some references to expert opinion and/or databases are included.	Provides useful review of relevant prior research and state of the art	Provides an incomplete review of some relevant prior research and state of the art.	Provides poor review of relevant prior research and state of the art.	____ x 0.6/6
Plagiarism	All sources cited properly. No claims to someone else's work suspected.				Failure to correctly cite any of the sources. Plagiarism suspected	

TECHNICAL

Conceptual modelling and design alternatives (10 marks)	Excellent development of conceptual designs including: full documentation of functional requirements, careful problem decomposition, and thorough evaluation of alternative concepts against well-defined constraints and criteria.	Very good development of conceptual designs including: documentation of functional requirements, problem decomposition, and reasonable evaluation of alternative concepts against constraints and criteria.	Good development of conceptual designs including most of these activities: partial documentation of functional requirements, good problem decomposition, and evaluation of alternative concepts against constraints and criteria.	Poor development of conceptual designs that lacks careful analysis of functional requirements and problem decomposition.	Failed to develop conceptual designs. Failed to identify functional requirements and design alternatives.	____/10
Modelling and Analysis (10 marks)	Excellent and accurate modelling and analysis of conceptual designs that focus on the most important design parameters and criteria.	Accurate modelling and analysis of conceptual designs that focus on major design parameters and criteria.	Some modelling and analysis of conceptual designs that focus on design parameters and criteria.	Poor modelling and analysis of conceptual designs with weak reference to design parameters and criteria.	Lack of demonstrated modelling skills. Failed to analyze conceptual designs. No reference to design parameters and criteria.	____/10
Results and discussion (10 marks)	Thoughtful, concise and insightful discussion of the design alternatives that is based on analysis results, constraints and criteria. Clear and strongly supported rationalization of chosen design.	Complete discussion of the design alternatives that is based on analysis results, constraints and criteria. Clear rationalization of chosen design.	Fair discussion of the design alternatives that is based on analysis results, constraints and criteria. Some rationalization of chosen design.	Brief discussion of the design alternatives with little rationalization of chosen design..	Poor or missing discussion of the design alternatives with poor rationalization of chosen design.	____/10
Calculations, drawings & sketches (10 marks)	Shrewdly supported by excellent data, graphs and drawings	Supported by very good data, graphs and drawings	Supported by good data, graphs and drawings	Some data, graphs and drawings	Scattered data, graphs and/or drawings	____/10

Cost evaluation (5 marks)	Careful and accurate prediction of design cost based on available data and reasonable assumptions. Presented in a manner useful to the client.	Accurate prediction of design cost based on available data and reasonable assumptions.	Provides a prediction of design cost based on some data and reasonable assumptions.	Provides an prediction of design cost based on some wrong data and assumptions, or omits some important costs.	Cost estimate is seriously flawed or missing.	____x 0.5/5
Conclusions & recommendations (5 marks)	Excellent summary of design process and result, insightful recommendations for future design development and implementation.	Very good summary of design process and result, useful recommendations for future design development and implementation.	Satisfactory summary of design process and result, some recommendations for future design development and implementation.	Fair summary of design process and result, gives recommendations for future design development and implementation.	Poor summary of design process and result, few or irrelevant recommendations for future design development and implementation.	____x 0.5/5
PROJECT MANAGEMENT						
Project Planning (5 marks)	GANTT chart and planning discussion outline a feasible, detailed and resource efficient plan to complete final design and implementation.	GANTT chart and planning discussion detail a feasible plan to complete final design and implementation	GANTT chart and planning discussion outline a feasible plan to complete final design and implementation	An overview of a feasible plan is given for completing the final design and implementation	Project planning is absent, fails to include important considerations, or is not realistic.	____x 0.5/5
PRESENTATION						
Letter of Transmittal/ Executive Summary (5 marks)	Focused summary/Key aspects of work highlighted/Reader's attention directed effectively	Competent summarizing/ Most of key aspects featured/ Some gaps in coverage	Coverage sufficient for use, but key features downplayed, not covered/Attention wanders	Highly apparent gaps in coverage/ Focus seems incomplete or misdirected	Missing or insubstantial content/Little effect for directing Reader's attention	____x 0.5/5
Document Sections (5 marks)	Informative headings/Initial sentence(s) focus attention on concept/Logically organized/Highly informative coverage of topic (point by point)/Expected outcomes of Report strongly supported by information & argument	Headings not completely consistent/May have missing focus sentences &/or logical links/Coverage mostly complete but may have data missing or misplace/Outcomes have satisfactory support	Headings mostly structural, not topical/Erratic use of focus sentences/Logic not consistently ensured/Support & conclusions only adequate, not consistent or effective	Very few topical headings or focus sentences/Absence of carefully worked out logic/ Support from data erratic/ Conclusions often absent	Little or no consistency in structure of sections/Development sloppy & overall conclusions missing or not acceptably worked out	____x 0.5/5
Paragraphs (5 marks)	Consistently focused on one concept or part/ Effective coverage by data points & explanation/Sentences informative & logically linked/Moves steadily through the concept (or aspect) to support Section development	Focus efforts largely consistent/ Coverage mostly effective/ Sentences have few lapses in content & construction/Significant additions to section development	Increased inconsistency in focus & coverage/Sentences have somewhat weakened construction & only moderately informative/ content/Section development not strongly supported	Little consistency in focus & coverage/Sentences lack logical construction & may require re-reading to understand content/ Section development receive little support	Focus, coverage & information development inconsistent/ Provide little or no support for accepting work as valid	____x 0.5/5
Sentences (5 marks)	Correctly & effectively constructed (Grammar & Punctuation)/Make use of Core Subject technique/ Logical connections established consistently/Consistently informative	Minor errors in construction & effectiveness/May miss Core Subject & logical connections occasionally/Almost always informative	Several noticeable errors in construction/Increasingly miss Core Subject & ignores logical connections/Information level of individual sentences only average	Major sentence problems in construction & Grammar (Fragments & Run-on)/Few Core Subject employed/ Logical connections missing/Low information levels	Consistent sentence construction problems/Absence of Core Subjects & logical linking/ Information development ignored	____x 0.5/5
Style (5 marks)	Phrasing & terminology accurate/ Highly helpful to Reader's understanding of project/Edited for spelling, typos, all mechanics	Mostly consistent application of techniques, with only minor lapses or misjudgements	Adequate but not consistently effective Style application	Weakened presentation of information & argument through Style	Apparent lack of interest in effective presentation because of absence of effort to apply Style	____x 0.5/5
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TOTAL MARK	/100					