Faculty of Information Technology

FIT3161 Computer Science Project Part 1
FIT3163 Data Science Project Part 1

Marking Rubric for Project Initial Concept and Design/Data Analysis Report

Project Goals section **10 marks**	
HD 80 - 100	Excellent problem/opportunity statement. Clear, realistic and easy-to-understand set of well-consistent project goals. Shows excellent understanding of problem and context, with evidence of thorough background research, with citations and references. Excellent presentation.
D 70-79	Good problem/opportunity statement. Clear and reasonable set of project goals, with good consistency. Include good understanding of the problem/opportunity and context and some evidence of background research, with citations reference.
C 60-69	Include problem/opportunity statement. Reasonable set of consistent project goals. Include good understanding of the problem and context and some evidence of background research.
P 50-59	Shows reasonable attempt to a problem/opportunity statement, Small, incomplete and set of goals with poor consistency.
F <50	Not attempted or not satisfying P criteria.

Representation For FIT3161 students 20 marks for each representation For FIT3163 students 20 marks for 1 representation	
HD 80 - 100	Clear and easy-to-understand representations of the final software product. Clearly describes what is being achieved and how. Complete and excellent explanation and documentation about the representations shown. No inconsistencies between the submitted representations.
D 70-79	Clear and easy-to-understand representations of the final software product. Adequately describes what is being achieved and how. Good explanations and documentation about the representation are shown. No obvious inconsistencies are shown.
C 60-69	Reasonably easy-to-understand representations of the final software product. Adequately describes what is being achieved and how in explanation and documentation about the representations shown. Representations contain some inconsistencies.
P 50-59	Either only 1 representation is submitted, or 2 are submitted but neither is adequately described. There is minimal explanation and documentation.

	Representations are not clear or easy to understand and may contain inconsistencies.
F <50	Not attempted or satisfying P criteria

Data Analysis Report **20 marks** Only for FIT3163 students	
HD 80 - 100	Comprehensive details of all data collection and preprocessing steps. Data analysis shows excellent understanding and identification of data anomalies and main characteristics of the data. Excellent presentation of analysis main results (graphics/tabular).
D 70-79	Showing details of the most/ important data collection and pre-processing steps. Data analysis shows a good understanding and identification of main data anomalies and main characteristics of the data. Good presentation of analysis main results (graphics or tabular).
C 60-69	Showing details of data collection and pre-processing steps. Data analysis shows some understanding and identification of data anomalies and characteristics of the data. Presentation of analysis main results in some form.
P 50-59	Showing some understanding of data collection and preprocessing steps. Data analysis shows some understanding and identification of data some anomalies and some characteristics of the data.
F <50	Not attempted or satisfying P criteria

Software specifications - 15 marks and Hardware specifications - 15 marks **Total: 30 marks**	
HD 80 - 100	Comprehensive identification and specification of key system software (OS, Database, programming Lang) and process management tools (e.g. revision control, software quality control. Identification of hardware that will be used, including as applicable, processing, storage, and networking configuration.
D 70-79	Identification and specification of most key system software (OS, Database, programming Lang) and process management tools (e.g. revision control, software quality control. Identification of most of the hardware including as applicable, processing, storage, and networking configuration.
C 60-69	Identification and specification of several of the key system software (OS,

	Database, programming Lang) and process management tools (e.g. revision control, software quality control. Identification of most of the hardware including as applicable, processing, storage, and networking configuration Some software or hardware may be missing.
P 50-59	Partial identification and specification of several of the key system software. Partial identification of hardware including some processing, storage, and networking configuration Some software or hardware may be missing.
F <50	Not attempted or satisfying P criteria

Justification of choices **10 marks**	
HD 80 - 100	All or most choices are clearly and well-justified.
D 70-79	All or most choices are justified and most justifications are clear.
C 60-69	Only some choices are justified, and justification is not always very clear.
P 50-59	Poor or unclearly justified or only a few choices and decisions are justified.
F <50	Not attempted or satisfying P criteria.

Presentation including references **5 marks**	
HD 80 - 100	Well formatted with excellent structure. Includes an excellent cover page and table of contents. References follow APA (7) or IEEE format consistently.
D 70-79	Adequate formatting and structure including cover page and table of contents. References follow APA (7) or IEEE format consistently.
C 60-69	Some attempt to format and reasonably well-organised content. References attempt to follow APA (7) or IEEE format consistently.
P 50-59	Poor structure and organisation of content. References are included but do not consistently follow APA or IEEE.
F <50	Not attempted or satisfying P criteria.

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Use of Generative AI tools in Projects and Assignments
Policy for FIT316x Units (based on Monash University policy)

Use of Generative AI Tools is acceptable (unless explicitly forbidden in a particular assignment specification)

- The use of generative AI tools is allowed and is not penalized in marking.
- Students must **acknowledge** when generative AI is used
- Students must clearly indicate which part(s) of the assessment submission contain material where generative AI has been used.
- Students must indicate **how** generative AI was used e.g., what AI tool was used and what questions were asked.
- Students must show **critical thinking** when using generative AI responses. Any errors made by the AI will be assessed as if they were made by the students - i.e. "The AI made a mistake" is not a reason for submission of erroneous work. You will lose marks for this!

To correctly acknowledge the use of Generative AI, please see:

https://www.monash.edu/learning-teaching/TeachHQ/Teaching-practices/artificial-intelligence/policy-and-practice-guidance-around-acceptable-and-responsible-use-of-ai-technologies