

CITS5553 Project Proposal

Submission Requirements

Each project group is to submit a proposal document (as a group), after reaching an agreement with the client(s) on the deliverables and their timeline. Submission is due on the 25th of August, 2023 (Friday, Week 5) at 11.59pm through the unit LMS's Submission for Assessment. The proposal will contribute to 15% of the overall mark for the unit. This group proposal should be a maximum of three pages (with a font size of 12). In addition, it will have an appendix containing short reports by team members on their plan and reflection on their contribution – i.e. a report by each member (max 500 words per member). Expected contents and allocated marks are as follows.

- PROJECT TITLE
- AIM
- BACKGROUND & VALUE PROPOSITION (2 marks)
 - Understanding the data & the current data interpretation practice
 - What is bottleneck(s)/challenge(s) in client's data interpretation
 - What is the value proposition for applying data science techniques (efficiency, consistency/reproducibility, cost-saving etc)
- DELIVERABLES & TIMELINE (3 marks)
 - Expected outcomes of the project
 - Data analytics & visualisation outputs
 - Presentation, reports and codes
 - Timeline of their completion, e.g. subgroup test deadlines and their comparison for final report (Gantt chart)
- METHODS (5 marks)
 - Preliminary interrogation of the data
 - Choice of different data exploration/analytical techniques to test
 - How to make the process understandable and the output usable (e.g. parameter control, incorporating domain knowledge, communicating output uncertainty)
 - Visualisation to communicate the processes/results
- PROJECT DELIVERABLE TIMELINE & COSTS (1 marks)
- APPENDIX
 - PROJECT MANAGEMENT TIMELINE (1 mark)
 - Subgroups and their responsibilities, including the roles of a team leader and individuals and the timeline of their task completions (Gantt chart)
 - INDIVIDUAL PLAN & REFLECTION (max 500 words, 3 marks individually)