

Assessment Guide

The following table provides an assessment guide for the course project. All reports and presentations must conform to the School's standards as set out in "Reports & Presentations - A Communications Manual for the Engineer". A4 paper size is assumed in the page counts below.

Project Reports (Group & Individual)	Group Presentation and Demo
Project Report max. 15 pages (excl. appendices). Individual Report max. 10 pages (excl. appendices). Appendices as required (must be stand-alone documents).	Maximum 20 minute presentation. All group members must present. NB: All members receive the same rating.
Problem Understanding & Background	Logic and Structure
Appropriate specification of problem by identification of requirements, assumptions, success criteria and constraints. Contextualisation of problem with respect to relevant literature and existing solutions.	Lucid, coherent and well structured presentation. Presenters choose and organise material well. Theme presented clearly.
Engineering Execution	Effective Presentation — Content
Engineering methodology that includes the following phases: 1) Problem Understanding, Requirements Gathering 2) Analysis, 3) Design, 4) Implementation. All phases thoroughly and completely dealt with.	Pitched at appropriate technical level. Demonstrates sufficient understanding of the issues involved. Questions are well answered.
Overall Quality of Solution	Effective Presentation — Visual
Solution has sufficient scope. Quality of solution, artefact or results achieved. Evidence of insight, ingenuity, originality or attention to detail. Ability to creatively solve problems. Synthesis of knowledge and techniques from multiple sources.	Slides conform to best practice. Appropriate number of slides for allocated time. Good, clear diagrams.
Critical Analysis and Evaluation	Language and Verbal Communication
Validation of final solution, artefact or results achieved. Critique of the work performed. Suggestions for improvements and recommendations for future work.	Presenters deliver presentation fluently and are easy to understand. Use of appropriate technical terminology. Enthusiasm and confidence.
Technical Communication	Overall Impact And Teamwork
Quality of final report as a professional and technical document: logical structure; style, language and tone; support material (graphical/tabular/mathematical); format (compliance with the School's standards); citation and referencing.	Presenters adequately convey work performed. Presentation creates a good impression. Presenters function well as a team. Clearly defined individual responsibilities within the group.

Outcome Rating Definitions	
Rating	General Interpretation
Unacceptable	No evidence provided; invalid/irrelevant approach, method, execution; completely flawed.
Poor	One or more major flaws, otherwise complete; one or more components very poor.
Acceptable	No more than minor flaws, otherwise complete; no distinguishing features.
Good	No flaws; shows insight; some distinguishing feature or evidence of initiative.
Excellent	No flaws; exceptional insight; significant innovation; rigorous, mature and rational approach.