

Project Proposal – Industrial-Based Project (75%)

Student **Josh Archer**

Grade **64**

Intro / A&O		
Project title; Identification of a specific problem to be investigated; Well-defined aims and SMART objectives; Explaining why this project is worth doing; Discussion of what the project needs to do in order to be a success; Description any deliverables that will be produced at the end of the project Good descriptive title. Clear introduction. The aim and objectives are too long. Much of the extra description can be put into the supporting text rather than the A&O themselves. You've also got too many objectives; it is very unlikely that you'll be able to do all of that in the time available for the project.	20	10
Literature Review		
Description of how the work to be done by in the project relates to the work identified in the literature review; Discussion of any ethical issues raised by the project Identifying what has already been done within the field; Topic familiarity; Literature review using appropriate sources - journal papers and book chapters rather than just websites; Selection of relevant models & concepts. Try to reference specific points rather than entire paragraphs. This provides a good and thorough overview of the use of AI in the civil engineering industry with plenty of relevant examples of both algorithms and real-world cases.	25	20
Research Methodology		
Clear statement of which research and development methods are to be used and why they are appropriate; Clear statement of which tools are to be used and why they are appropriate; Clear description of how data collected will be analysed. Good choice of research methodology, well justified. Sensible consideration of ethical issues, although the problem that AI systems cannot explain how they reach their answers should also be considered. Good analysis process. The development methodology is weak, as it has picked up on only one element of the software development process. User stories are a useful part of many agile methodologies, but they are not the only elements required to define a methodology.	25	16
Resources / Planning		
List of any deliverables; Clear diagram showing both timing and resource use; Completed ethics form; Limited and relevant appendices The resources section needs significantly more detail. What about human, information and data resources? What is meant by a 'high spec laptop'? The project plan is acceptable.	15	8
Document Presentation		
Correct spelling, grammar and punctuation; Flow of narrative/fluency; Coherence; Word processed ; Correct use of referencing with bibliography; Strict word limit Remember to update your tables of contents to avoid errors. Single column text is usually used for reports such as this, partly because it lets you use the fill width of the page for diagrams. Don't use hanging indents. Always provide captions for figures and explain them in the main text – pictures do not replace the text, they support the text. Incorrect use of Microsoft Word referencing. Overall an interesting, if potentially over-ambitious, project.	15	10
TOTAL	100	64