

Rubric

Category	Pass	Credit	Distinction	High Distinction
Design and Architecture	<ul style="list-style-type: none"> Architecture of the project is described 	<ul style="list-style-type: none"> Architecture of the project is described Some areas are noted as being critical for performance Most decisions made regarding the specific implementation of architectural elements and/or the design as a whole are justified 	<ul style="list-style-type: none"> Architecture of the project is described Some areas are noted as being critical for performance and some attempt is demonstrated at optimising these sites All decisions made regarding the specific implementation of architectural elements and/or the design as a whole are justified 	<ul style="list-style-type: none"> Architecture of the project is described All reasonable areas are noted as being critical for performance and many of them have demonstrably and effectively been optimised Different implementation techniques are demonstrated depending on the design requirements All decisions made regarding the specific implementation of architectural elements and/or the design as a whole are justified
Functionality	<ul style="list-style-type: none"> basic functionality works reliably most functional limitations, limits on the operating environment and conditions for correct operation are noted in the accompanying documentation 	<ul style="list-style-type: none"> basic functionality works reliably some advanced functionality exists and works subject to particular operating conditions most functional limitations, limits on the operating environment and conditions for correct operation are noted in the accompanying documentation 	<ul style="list-style-type: none"> Advanced functionality works reliably All functional limitations, limits on operating environment and conditions for correct operation are noted in the accompanying documentation The stated operating environment covers most conditions that might reasonably be expected to be encountered during operation Some consideration has been given to system reliability and safety where appropriate. 	<ul style="list-style-type: none"> Advanced functionality works reliably All functional limitations, limits on operating environment and conditions for correct operation are noted in the accompanying documentation The stated operating environment covers all conditions that might reasonably be expected to be encountered during operation Conditions outside the operating environment lead to graceful (safe) degradation of functionality, within the limitations of the hardware Thorough consideration has been given to system reliability and safety where appropriate.
Interface Specification	<ul style="list-style-type: none"> Interfaces between modules within the project are identified Interfaces with the environment are identified 	<ul style="list-style-type: none"> Interfaces between modules within the project are identified Interfaces with the environment are identified Most interfaces between modules within the project are specified and documented with respect to data standards, required timings and other interface semantics 	<ul style="list-style-type: none"> Interfaces between modules within the project are identified, specified and documented with respect to data standards, required timings and other interface semantics Interfaces with the environment are identified Most interfaces with the environment, including time, are specified and documented 	<ul style="list-style-type: none"> Interfaces between modules within the project are identified, specified and documented with respect to data standards, required timings and other interface semantics Interfaces with the environment, including time, are identified, specified and documented

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Code Quality	<ul style="list-style-type: none"> Most code is written in a consistent and neat style Some in-line commenting exists All code not written by the student is correctly attributed 	<ul style="list-style-type: none"> All code is written in a consistent and neat style Most pieces of code whose functionality is obfuscated, unique or special have in-line comments All code not written by the student is correctly attributed 	<ul style="list-style-type: none"> All code is written in a consistent and neat style All code whose functionality is obfuscated, unique or special have in-line comments Some modules have interface or usage documentation embedded within them, or in an accompanying document (which may not be the deliverable document) All code not written by the student is correctly attributed 	<ul style="list-style-type: none"> All code is written in a consistent and neat style All code whose functionality is obfuscated, unique or special have in-line comments Most modules have interface or usage documentation embedded within them, or in an accompanying document (which may not be the deliverable document) All code not written by the student is correctly attributed
Presentation	<ul style="list-style-type: none"> Student clearly presents the key points of their project 	<ul style="list-style-type: none"> Student clearly presents the key points of their project Student clearly presents and explains limitations of their design and implementation Student gives satisfactory answers to some questions from the examiners 	<ul style="list-style-type: none"> Student clearly presents the key points of their project Student clearly presents and explains limitations of their design and implementation Student gives satisfactory answers to most questions from the examiners 	<ul style="list-style-type: none"> Student clearly presents the key points of their project Student clearly presents and explains limitations of their design and implementation Student presents qualitative justification of design decisions Student gives satisfactory answers to most questions from the examiners
Report	<ul style="list-style-type: none"> Report shows good spelling, grammar and thoughtful layout Report states key design decisions and hurdles Report presents a reflective conclusion 	<ul style="list-style-type: none"> Report shows good spelling, grammar and thoughtful layout Report states key design decisions and hurdles Report gives qualitative justification of some key design decisions Report presents a reflective conclusion including concepts for future work 	<ul style="list-style-type: none"> Report shows good spelling, grammar and thoughtful layout Report states key design decisions and hurdles Report gives qualitative and quantitative justification of some key design decisions Report presents a reflective conclusion including critical statement of design strengths, limitations and concepts for future work 	<ul style="list-style-type: none"> Report shows good spelling, grammar and thoughtful layout Report states key design decisions and hurdles Report gives qualitative and/or quantitative justification of all key design decisions Report presents a critical analysis of how the implementation has encountered and overcome the core challenges of Embedded Systems. Report presents a reflective conclusion including critical statement of design strengths, limitations and concepts for future work