Embedded Systems Mark scheme
Coursework 2: Brushless Motor Controller

Criterion	Max. mark	Report	Code	Max.	Marking Scale	Min.
Control of speed and position	60	✓	✓	Good control at normal precision	Control at normal precision but some overshoot or oscillation	Poor control with large overshoot or oscillation
Application of real-time programming techniques	30	✓	✓	Robust, efficient and maintainable code with appropriate use of interrupts, threading and thread-safe data and control interfaces	Functional but un-optimised and/or obscure code with potential errors	Buggy or unstable code
Real time system analysis	10	✓		Thorough analysis of dependencies, task deadlines, priorities and utilisation	Reasonable analysis	Dubious analysis
~~Motor plays melody~~			~~✓~~	~~Yes~~		~~No~~