

1 MILESTONE 4 – THE REPORT

1.1 RUBRIC

Group number		Mark	Subtotal
Report	Introduction		10
	System level design: Overview of design concepts and justification for choices.		15
	ELECTRICAL DESIGN <ul style="list-style-type: none">• Power calculations Power supply design and schematics (including safety)• Microcontroller resource allocation• Design and Schematics of circuits with Vero/PCB layout		20
	Motion control design, implementation, and results Include <ul style="list-style-type: none">• Pseudocode functions• UML or flow diagrams of code or MATLAB Simulink layout e.t.c• Results and justifications		15

	<p>Line sensing design, implementation, and results</p> <p>Include</p> <ul style="list-style-type: none"> • Pseudocode functions • UML or flow diagrams of code or MATLAB Simulink layout etc. • Results and justifications 		15
	<p>Treasure Maze solving algorithm design, implementation, and results</p> <p>include</p> <ul style="list-style-type: none"> • The modular design of software down to function calls and including interrupt / real-time structure • UML diagrams (flow diagram of code) • Pseudocode functions 		15
	Conclusion		10
Penalty			Penalty
Total			100

Table 4 Milestone 4 rubric