**Phase 1 Score Rubrics**

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| Assessment Criteria | Score |
| Quality of UGV | 50 |
| Quiz (3 questions on UGV) | 30 |
| F1 Timing | 10 |
| Maze Clearing Timing | 10 |
| Autonomous Maze Clearing Capability | Bonus marks will be awarded |

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| Quality of UGV | | | | |
|  | Poor | Average | Good | Excellent |
| Creativity (15 marks) | Poor design, no sense of art  (1 – 4 marks) | Proper shape design  (5 – 8 marks) | Proper shape design with enhancement to UGV performance  (9 – 12 marks) | Great work that no one have ever seen before!  (13 – 15 marks) |
| Tidiness & Workmanship (15 marks) | Wires are tangled and components are poorly soldered  (1 – 4 marks) | Neat wiring and minimum risk of shorting  (5 – 8 marks) | Wires are neatly taped or tied, no loose ends hanging around. No risk of shorting  (9 – 12 marks) | Proper wiring arrangement and safety precautions are done to prevent shorting  (13 – 15 marks) |
| Performance (20 marks) | UGV is immobilized  (1 – 5 marks) | UGV can maneuver with slight malfunction  (6 – 10 marks) | UGV can maneuver in all 2D direction with no malfunction  (11 – 15 marks) | UGV can maneuver in all 2D direction with no malfunction. Retrieve and display data from RFID cards accurately  (16 – 20 marks) |