**IDP Robot Quality Mark Sheet**

**Team: 1 Date: 24/11/21**

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|  | Comments | Team Mark |
| Mechanical Documentation   * Covers all parts * Appropriate Tol. * Clear dimensions etc * Well laid out | Parts and dimensions clearly labelled. Organised layout. Good job. | 6/6 |
| Electronics Documentation   * Schematics * Designators/ part numbers * Use of net labels * Layouts clear | Good quality schematics. The hand-drawn circuit layouts are a bit messy. Maybe try adopting some prototyping software(e.g., Fritzing) in the future to present layouts in a clear fashion. Good job. | 5/6 |
| Software Documentation   * Algorithms etc * Sensible modularity * Appropriate commenting * Maintainable | * Good code comments, clear & concise * Good modularity (short, simple functions, e.g., getters and setters) * Could probably improve modularity with separate files (e.g., Grabber.cpp, Motors.cpp, etc.) * Documentation: FSM model very nice, good design principles and layout. * Figures a bit small, but not unreadable. Well laid out and clear | 5/6 |
| Robot Quality   * Appropriate Materials * Appropriate Methods * Use of card/tape? * Neat wiring. Etc. | * Good overall quality: no cardboard or other prototype-y materials. * Solid brackets and mounts. * Elastic bands on wheels for grip – good idea! * Cable ties to keep wires neat * Nicely modular * Proto shield use good, but not mounted/secured | 10/12 |
| Total |  | 26/30 |

Marks:

6 – Excellent

5- Good

4 Acceptable, 1-3 below standard credit.