

First Presentation: Assessor Information

Each team has 10 minutes for its presentation + about 5-10 minutes discussion at the end. Each team member is expected to attend the presentation. A list giving the time and location of each team's presentation will be posted on the IDP noticeboard in the EIETL. The presentation is informal but should be professional. Each team should produce between 5-10 printed slides, covering the topics below:

- Team Name and Management Structure
- Approach for solving the problem
- Robot Concept and diagram. *This could be hand-drawn diagrams, CAD models or any format which conveys the approach and concept*
- Overall System Level Diagram. *Detailing how the electronics, hardware and software interacts*
- Electronics/Sensing. *This could include circuit diagrams/block diagrams as to the approach*
- Exploration and navigation algorithms
- Integration between hardware electronics and software
- What is the most risky/challenging aspect of the project?
- Gantt Chart (resource/time allocation)

A printed copy of which should be handed to the demonstrator at the beginning of the presentation. An electronic copy must be posted in the teams area on the bulletin board immediately after the presentation. You will need, as a team, to think about how the individual contributions fit together and the overall timing, so as to ensure a professional impression.

First Presentation Mark Scheme

Team:

Date:

Marker:

Presentation Area	Comments	
Team Planning/Organisation <ul style="list-style-type: none"> - Team structure/management - Gantt Chart - Reasonable Expectations 		/20
Overall Concept <ul style="list-style-type: none"> - Exploration of concepts - Concept selection - Reasonable Approach 		/20
Mechanical <ul style="list-style-type: none"> - Consideration of materials - Consideration of fabrication methods - Reasonable Size - Consideration of sensors/motor placement 		/20
Electrical <ul style="list-style-type: none"> - Sensor selection - Appropriate choice of sensors - Interface to software 		/20
Software <ul style="list-style-type: none"> - Interface to electronics considered - Overall strategy/structure - Appropriate algorithms chosen - Implementation realistic 		/20
Total Mark		/100

Comments: