SEP – Software Design Document Draft Feedback

Group Number: 2 **Mark: 57.5**

Category	Weighting	Mark	Comments
Quality of Presentation	20	70	Presentation is generally good. Document appears to be reasonably well proof read.
Overall Software Architecture	5	60	Overall architecture is sound. Should put attention into describing the pipe-filter and manager models. You need to justify why these models are used. Trade offs also need to be listed for the chosen models.
Robot side	10	50	Robot design is good. Choice to do AI processing on host and not on robot is great and well justified. No class diagram.
Communications	10	70	Communication interface appears sound. Good idea to separate receiving data and parsing into separate components. Have you considered also allowing USB communication? You will need to update your design a little to support this.
Host Side: GUI	10	50	Class diagram suggests that program data and GUI are closely coupled. In the human interface section you should present several screens showing the different states of the program. These screens can be based on your core system features. For example, show the screens(or part of the

			screens) in which you create a danger zone. As you do this you will cover the requirements from your SRS.
Host Side: XML issues	10	40	Currently your map component handles XML processing and the map representation. This should be separated out into two different components.
Host Side: Movement/Mapping	10	40	Internal map structure is quite unclear. Not sure how the map structure is updated. Really need a UML class diagram for this. Should consider having several classes here for the different map components.
Tracking	5	70	Document references requirements from SRS.
Completion of Functional Requirements	10	80	All function requirements are considered in design.
Consideration of Non-functional Requirements	10	40	Document needs to further describe how the decisions are influenced by NFR.

Additional Comments:

This document needs to contain class diagrams for the entire system so we can better gage how exactly everything fits together. These are very important and will help improve your mark.

Tagged in SVN. Very good!