

Each team for this project will consist of either 3 or 4 students and each student will have specific responsibilities. Each student will be the team leader in their particular area of responsibility. The areas of responsibility are: Coordination, Software, Lego Construction, Hardware electronics, and Documentation. Since there are more areas of responsibility than there are students on a team, some students will have multiple assignments. The responsibilities of each area leader are as follows:

Coordination - Responsible for arranging all meeting times and places. The Coordinator will also be the "keeper" of the parts and will be responsible for seeing to it that parts are available when they are needed and for working with the instructors on problems related to parts and equipment.

Documentation - Responsible for keeping the project notebook and presenting the final project. The documentarian will be the team spokesperson and will be responsible for producing the written documentation for the project which is to be handed in.

Software - Responsible for organization of the software and for its proper operation. This includes documenting and adding comments to all of the source code.

Construction - Responsible for the physical construction of the project. The constructor will ultimately be responsible for what the project looks like.

Hardware electronics – Responsible for the sensors, the computer, the connectors, and any added electrical features such as the light.

***Project Notebook:*** The project notebook will be a log of all of the team activities related to the project. Each entry in the notebook should list the time and date of the activity, the team members present, and should summarize the important results. This might include rough sketches of various designs in software or hardware and it may include printouts of software. The notebook should also have a complete log of the time spent by each project member working on the project (alone or as part of the team).

***Final Presentation:*** Final projects will be presented on a day to be announced. The presentation should consist of a demonstration of the vehicle produced and an oral summary of the results.

***Grading Scale:***

Points	Activity
20	Project Notebook
15	Complexity and creativity of design
35	Number of total points scored
15	Faculty advisor evaluation
15	Ability to work together as a team

