ECET365 Week 3 iLab Cover Sheet

DeVry University

College of Engineering and Information Sciences

**Course Number:** ECET-365

**Professor:**

**Laboratory Number: 3**

**Laboratory Title: Converting Requirements to a Work Schedule**

**Submittal Date:**Click here to enter a date.

***Objectives:***

A. Develop a map showing which hardware subsystems from the kit will be used to meet each requirement. Determine if additional parts are required.

B. Determine which hardware subsystems will require software support to control the subsystems or provide communications between subsystems.

C. Produce a set of tasks needed to meet the requirements. Assign tasks to team members.

D. Develop a work schedule for a presentation to the class. Include serial and parallel scheduling of tasks to meet the time requirements.

***Results:***

***Conclusions:***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Team:*** |  |  |  |  |  |
|  | Name |  | Program |  | Signature |
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|  | Name |  | Program |  | Signature |
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|  | Name |  | Program |  | Signature |

***Observations/Measurements:***

A. Determine the project requirements.

Place here the list of requirements you have determined by reading the Rules for Freescale Smart Car Competition.

B. Determine alternative subsystems to meet the requirements.

Insert the table you have developed, showing the alternative ways of meeting requirements with different subsystems.

C. Determine the set of alternatives you will use for the project.

List here the subsystems you will include in your project system. This should include all subsystems needed to meet the requirements.

D. Develop a Work Schedule for the project.

Include here a Gantt chart showing the tasks and assigned team members, with a timeframe showing the beginning data and completion date of the tasks.