ECET365 Week 6 iLab Cover Sheet

DeVry University

College of Engineering and Information Sciences

**Course Number:** ECET365

**Professor:**

**Laboratory Number: 6**

**Laboratory Title: Interfacing to Networks**

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

***Objectives:***

A. Compare characteristics of different wireless communications modules.

B. Compare characteristics of different wireless Internet communications modules.

C. Determine which modules are the most suitable for the Smart Car or Robotics project.

D. Develop a preliminary design for connecting a wireless module to the Smart Car or Robotics project.

***Results:***

***Conclusions:***

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

***Observations/Measurements:***

1. Write your observations of the three wireless systems in the table below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Comparison Item** | **System A** | **System B** | **System C** |
| Price |  |  |  |
| Implementation |  |  |  |
| Data Rate |  |  |  |
| Security |  |  |  |
| Latency |  |  |  |
| Interference |  |  |  |
|  |  |  |  |

1. Sketch how you would connect the chosen system to your project. Attach the sketch to your lab report.
2. Write your observations of the wireless Internet systems in the table below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Comparison Item** | **System A** | **System B** | **System C** |
| Price |  |  |  |
| Implementation |  |  |  |
| Data Rate |  |  |  |
| Security |  |  |  |
| Latency |  |  |  |
| Interference |  |  |  |
|  |  |  |  |

1. Attach a sketch showing how you would connect the chosen system to your project.