DATE: \_\_\_\_03/05/2015\_\_\_\_\_\_\_

**INDIVIDUAL PROGRESS**

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| --- | --- | --- | --- |
| Member Name | Accomplishments | Next Week’s Goal | TA Comments |
| Lotanna Agbasi | Construct a simple circuit that demonstrates on a small scale how I intend to switch the state of battery of the RC vehicle from power dissipation to charging. | Implement Arduino into circuit to make it “smarter”. Have Arduino read the voltage from battery and use that determine whether or not battery remains giving power to load or switch to charging. |  |
| Blade Roybal | Provided antenna design information that shifted system design towards using a ground vehicle instead of a quadcopter. Researched ground penetrating radar requirements and mathematical equations and outputs to be used. | Contact companies to obtain a ground penetrating radar system with an external antenna port along with reports on data collection from the device to be used as a deciding factor and shared with the team. |  |
| Matthan Myers | Researched appropriate RC vehicles that can carry required components. Had a few ideas, but Dr. Huff and Dr. Chamberland gave me more guidance on what they had in mind. Discussed with Cameron how we are going to save our data. | Will look further into vehicles that can carry the required load and how we can “hack” this vehicle to allow for autopiloting via GPS. Also going to look into database schema for the matrix database. |  |
| Cameron Chollett | Problem solve to fix compatibility issues with Python on personal computer. Download all modules needed for image processing tasks. Write a Python file to upload an image, create an array of the image points, and put the image through numerous filters. | Create a python file that will upload a set of data, and find an algorithm that will form a matrix for the sampled area. Construct a 2D image from the small set of data points. |  |
|  |  |  |  |

DATE: \_\_\_03/05/2015\_\_\_\_\_\_\_\_

**PROJECT STATUS SUMMARY**

**MAIN ACCOMPLISHMENTS**

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| --- |
| * The overall design of the project is set and subsystems are clearly defined. |

**MAIN PROBLEMS/ISSUES**

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| * The ground penetrating radar system need to be bought soon, so that the type of data received can be determined. The image processing and data collection subsystems are dependent on the format and type of data. * The group needs to find a RC vehicle that has the towing capacity to pull the radar system and has GPS-based autopilot. |

**TEAM DYNAMICS**

**Answer Y or N to each question**

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| --- |
| * Are all members on schedule with their respective tasks? \_\_Y\_ * Are all members contributing equally to the efforts of the team? \_\_Y\_\_ * If any member is behind schedule, has this occurred consecutively more than one week? \_\_N\_\_ * Would you like to schedule a meeting with any of the TAs to address issues related to team dynamics? \_\_N\_\_ |