

Group number: May 1715

Project title: Internet of Machines

Client &/Advisor: Vermeer, Allison Thongvanh

*Team Members/Role: Dean VanEvery/Team Leader, Cody Lample/Key
Concept Holder, James A Kluesner, Matthew Gustin/Webmaster, Sam
Ellis/Communications Leader, Yulin Song, Kojo Otchere-Badu*

○ **Weekly Summary (Short summary about what you did this week)**

This week we focused on narrowing our scope further, tentatively deciding on implementing our system by retrieving diagnostic data from a quadcopter. We decided that we would need to divide the team into smaller groups based on technical skills of members and required steps towards our final product. Much of this is still subject to change as we are still researching current technologies implemented by our sponsor, which we have arranged to look at more in-depth this upcoming week.

○ **Past week accomplishments (please describe as what was done, by whom, when)**

- Matt Gustin – Researched integrating a Raspberry Pi with an Arduino
- Dean VanEvery –
- Sam Ellis – Researched wireless infrastructures for applicability with quad-copter
- Kojo Otchere-Badu –
- Cody Lample - Researched internal & external sensors for quadcopters
- James Kluesner –
- Yulin Song –

○ **Pending issues (if applicable)**

We are still in the process of completing the non-disclosure and intellectual property forms for our project, which we have targeted for completion this upcoming week now that our sponsor has had time to look them over more in-depth and has decided which will be necessary to complete.

o **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Cody Lample			
Dean VanEvery			
James Kluesner			
Matt Gustin			
Sam Ellis			
Yulin Song			
Kojo Otchere-Badu			

o **Plan for coming week (please describe as what, who, when)**

The primary goal for our individual members this week is to attend the tour of the Vermeer plant, so that we can have a better idea of the end point for the project and compare our ideas with what is already in place. Additionally we will need to look at hosting our website now that the domain has been released to us.