

Group number: May 1715

Project title: Internet of Machines

Client &/Advisor: Vermeer, Keith Bryant / Dr. Sang Kim

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

○ **Weekly Summary**

This week we continued our work from the previous week on preliminary research on the pi architecture based on the one we currently have as well as the sensors we currently have. Refined database with the required schema.

○ **Past week accomplishments**

- Matt Gustin – Created web client/api stack and pushed to gitlab
- Dean VanEvery – Worked on revising plan to adjust to problem of delays in getting necessary parts.
- Sam Ellis – Evaluated options for integration of JSON into the SQL database, researched security options for database manipulation over WAN
- Kojo Otchere-Badu – Sampled temperature sensor data.
- Cody Lample - Perform initial tests on sensors.
- James Kluesner – Began work on initial project presentation

○ **Pending issues**

We received word at the very end of this week that the parts we were missing had been delivered, but will still need to pick it up, which will need to be accomplished by next week.

o **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Cody Lample	writing code to sample sensor data.	3	9
Dean VanEvery	Worked on revising plan to adjust to problem of delays in getting necessary parts.	2	5
James Kluesner	Presentation	1	9
Matt Gustin	Created web client/api stack	3	13
Sam Ellis	Researched options for integration of JSON into database	2	10
Kojo Otchere-Badu	Sampled temperature sensor data.	3	9

o **Plan for coming week**

Continue work on research/creation of database software. Begin working on integrating sensor hardware into transmitting module. Pick up parts from sponsor and begin integrating those as well.