**Progress Report**

From: Adanegbe Amadasun

Cc: Alisha Singh Chauhan

Dear Sir,

This is our email regarding progress report and the milestone we have covered so far on our project.

We now have a better understanding on how to go about our project. We worked with Vlad last week Friday to accomplish various task for our project such as:

* Tuning our stepper driver to allow 0.6 ohms of current
* Drilling a hole through our case for the pulling system
* We also learnt how to cripple wires, we crippled our stepper motor wire to make it easier to connect it to ramp shield.

We have built a case for our FarmBot and are still working on creating our pulley system. Also, we had success in uploading teacup firmware into our Arduino for the pulley system, and we are currently trying to figure out the distance to use for stepper more to move.

Work breakdown: we have distributed the workload among us in the following way.

Database Work Breakdown: Adanegbe will be working on the database part of the project.

Currently, we only have a local database for our FarmBot project. The database

stores the plant number, date, and name locally. Once the app is deleted the

users will lose access to all their data.

We plan on getting a server to so all users data can be stored in the cloud and

can be accessed by them at any time

Application and work breakdown: Alisha will be proceeding with this.

FarmBot is going to be more economical and ecofriendly unlike other agricultural

equipment being used. It incorporates precision farming, which happens to be a

concept based on observing, measuring and responding to inter and intra-field

variability in crops. The device is going to be constructed be the FarmBot

company, it is going to be made of an Arduino Mega 2650, Raspberry Pi 3, Sensor

hat (which can read temperature, light, and soil condition), and Bi-polar

stepper motor.

Hardware breakdown: we are working on the hardware both together.

Sincerely,

Adanegbe Amadasun