

## **WEEKLY REPORT**

<i>Group name : MAY2014-07</i>	<i>Date: October 07, 2013</i>
<i>Client/Adviser: Dr. Daniels</i>	
<i>Attendees/Role</i>  <i>Arielle Czalbowski/Communicator</i> <i>Piriya Hall/Project Manager</i> <i>Albert Kurniawan/Analyst</i> <i>Wanting Zhao/Systems</i>	

### **ACCOMPLISHMENTS FOR PAST WEEK**

<i>WHAT</i>	<i>WHO</i>	<i>WHEN</i>
<i>The code for the 3D printer is now working, and we understand how to make the program work. In addition, we were able to get an understanding of the movement of the printer and how to calculate distances.</i>	<i>Arielle, Piriya</i>	<i>10/2/2013</i>
<i>We have determined the number of nozzles needed for the printer, and therefore, can begin to formulate an algorithm and plan how the printer is to print 3D objects.</i>	<i>Arielle, Piriya</i>	<i>10/2/2013</i>
<i>We have been able to gain access to the Senior Design laboratory, and therefore can actually move the 3D printer to a room that we can access at any time; previously, the printer was in a room that was inaccessible without our adviser.</i>	<i>Arielle, Piriya, Albert, Wanting</i>	<i>10/2/2013</i>

### **PLAN FOR COMING WEEK/INDIVIDUAL TASKS**

<i>WHAT</i>	<i>WHO</i>	<i>WHEN</i>
<i>Send Wanting an e-mail so that she can catch up on what we have been doing; read and understand manual on 3D printer hardware, and continue communication with hardware team on their decisions that affect our project.</i>	<i>Arielle</i>	<i>10/14/13</i>
<i>Needs to look up open-source software implementations of 3D printer software that controls 3D printers and gain understanding of how this code works, and what we can reuse.</i>	<i>Piriya</i>	<i>10/14/13</i>

<i>Review the source code for the program that we are given and understand how it works. Additionally, gain an understanding of Arduino language and how to utilize it to implement code.</i>	<i>Albert</i>	<i>10/14/13</i>
<i>Catch up on what our team has done, including reading up on the hardware specifications that we have recently uncovered and reading and understanding the source code we have been provided with.</i>	<i>Wanting</i>	<i>10/14/13</i>

***PENDING ISSUE***

<i>ISSUE</i>	<i>RESPONSIBILITY</i>
<i>Wanting has had to return to China for a family emergency, and will not be available in the United States for an unknown amount of time. Wanting indicated that it may be around a week long, but was unsure. In addition, the recent government shutdown may affect her ability to return to the United States. Therefore, we have one team member who will be unable to be directly involved with the project for some unknown duration of time.</i>	<i>Arielle, Wanting</i>
<i>Some of the pins on the connector that control the X axis on the 3D printer are broken, and therefore, we currently cannot move the arm in that direction. The pins need to be replaced or a new cable needs to be ordered.</i>	<i>Piriya</i>
<i>Currently, very little is known about the 3D printer and how it operates. We obtained a manual of everything our adviser currently knows about the operations, but it is still very little material to work off of. We will have to do quite a bit of research.</i>	<i>Arielle, Piriya, Albert, Wanting</i>

***INDIVIDUAL HOURLY CONTRIBUTION***

<b><i>NAME</i></b>	<b><i>HOURS</i></b>	<b><i>HOURLY BREAKDOWN</i></b>
<i>Arielle</i>	<i>6</i>	<i>Meetings and project understanding (1.5), Research (1), Project Plan + needed requirements gathering (3)</i>
<i>Piriya</i>	<i>6</i>	<i>Meetings and project understanding (1.5), Research (2), Project plan and diagram creation (2)</i>

<i>Albert</i>	<i>2</i>	<i>Research into workings of Arduino DUE and 3D printers (2)</i>
<i>Wanting</i>	<i>2?</i>	<i>Project requirements checking and meetings (2); Final number unsure due to communication difficulty with her emergency.</i>