Cpre 492 BIWEEKLY REPORT 4

Feb 24 2018– March 9 2018

Group number: 2

Project title: Augmented Reality Mechanical Design Solution

Client: Ms. Deeksha Juneja

Advisor: Dr. Thomas Daniels

Team Members/Role: Bhimesh Chauhan
Cal Vert Wong
Ryan Luckinbill
Vaibhav Malhotra
Lucas Ince

o **Biweekly Summary**

   Working on developing mobile and web applications

o **Pending issues (if applicable)**

   Not applicable

o **Individual contributions**

NAME	Individual Contributions	Hours for two week	HOURS cumulative
Bhimesh Chauhan	Fixed the origin point for the superposition of the rendered CAD model and its alignment. Writing an API to render a stl file and parsing it. Design to make models intractable	20	44
Cal Vert Wong	Working on the android app UI and some functionalities such as editing, adding details, and having a commenting section.	20	44
Ryan Luckinbill	Reconfiguring the AWS service so that we don't have to pay for it. Worked on the database authentication and get to know how to store a 3D file on the database	20	44
Vaibhav Malhotra	Developing and understanding the parsing tools needed to parse the stl and obj type CAD models. The prototype is successful and CAD models can be rendered on a mobile phone by uploading the CAD model file. This is done by using android studio and openGL library.	20	44
Lucas Ince	Setup SQL system and created a basic structure. Looked into the file hosting with AWS. Did preparation for PIRM presentation.	20	44

o **Comments and extended discussion**

Everyone is working on programming and building the web and android application.

o **Plan for coming week**

Continue with our tasks.

- **<u>Summary of weekly advisor meeting (if applicable/optional)</u>**

Not applicable