

Project created on 09.09.2016 00:08.

# Report for project Senior Design

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Task created on 09.09.2016 00:41.

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## Email Possible Clients

Due date: 17.09.2016 09:41

We emailed three clients we have an interest in working with: Dr. Damiano (robotic assisted surgery), Mrs. Rudolf (special needs), and Mr. Hang (sleep therapy).

Task tags: Client

Task created on 09.09.2016 00:51.

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## Project Idea: Special Needs (Mrs. Rudolph)

Due date: 09.09.2016 20:04

Mrs. Rudolph is a special education teacher looking to ease communication for those with disabilities (such as Cerebral Palsy). We emailed Mrs. Rudolph on 9/5/16 about working with her to develop a project this semester. We are currently exploring the idea of developing an app that will allow those with disabilities to communicate easier than text messaging (perhaps with the use of pictures or predictive text technology). Another possible idea we are considering is to create an app that can improve education/learning for people with special needs. Our ideas are still in the early stage. We plan on talking more with Mrs. Rudolph to talk about ideas she had in mind for the project and whether we will be interested in working on this project long-term.

Task tags: Client Idea creation

Completed by Carlie Abraham on 09.09.2016 01:06.

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### **Step 1:** Initiate Contact

Email Mrs. Rudolf to get her thoughts on project ideas.

Task created on 09.09.2016 00:51.

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## Project Ideas: Robotic Surgery (Dr. Damiano)

*No due date*

With the increased use of robotic surgery and Google's partnership with J&J on the robotic surgery project Verb Surgical, we were interested in seeing how we can help enhance the programming for robotic assisted surgical machines and to make it more accessible for patients.

Task tags: Idea creation

Completed by Yanlin Ho on 09.09.2016 01:13.

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**➔ Step 1: Initiate Contact**

Emailed Dr. Damiano to gauge his needs and opinions on our possibility with working with him.

Task created on 09.09.2016 00:51.

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**📄 Project Ideas: Sleep Enhancement (Mr. Hang)** Due date: 09.09.2016 20:08

We were interested in creating a new technology for sleep enhancement. One of our member had heard of a new method to treat insomnia, called Light Therapy Box, which mimics natural sunlight. Users would spend around 20 minutes under this light and the device would enhance both the mood and sleep quality of the users. We thought this would be of particular interest because of the wide applications: patients with Seasonal Affective Disorder, PTSD, and insomnia would all benefit. However, there are side effects such as eye strain. Mr. Hang's company caught our attention because his work is on sleep enhancement and we were interested in working with him to create a new technology similar to this box that would solve some of the current, existing issues.

Task tags: Idea creation

Completed by Tong Yu on 09.09.2016 01:12.

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**➔ Step 1: Initiate Email Contact**

Emailed Mr. Hang with information about our team and our interest in his area of expertise.