

Heated Diagnostic Radiology Examination Table

Week 1 - January 23 to January 28, 2009

Team Members:

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Client:

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Problem Statement

A frequent patient complaint is that current x-ray tables are hard and cold. A pad can be used to eliminate the first complaint; however the temperature of the table cannot be altered on standard tables. A heated exam table or attachment that has a temperature control to give patients added comfort during exams, needs to be developed. The materials used need to be radiolucent and may not obscure the body part being imaged. A mechanism must be implemented that eliminates the possibility of patient injury such as burn.

Last Week's Team Goals

- i. Begin work on PDS.
- ii. Arrange meeting time with client.
- iii. Setup team website.
- iv. Research radiolucent materials, heat transfer, and related patents.
- v. Brainstorm client questions.

Summary of Accomplishments

- i. As a team the preliminary progress report was written. With the progress report drafted we will be able to walk into our client meeting with a better understanding

of what questions we need to ask. Also, having our PDS will show the client our understanding of the problem statement and design specifications/constraints.

- ii. As a team general research on radiolucent materials, heat transfer, exam tables, and patents relating to the device was conducted. This research will continue and provides us with a better understanding of the problem statement and approaches needed, also preparing us for our first client meeting.
- iii. After a few emails the client meeting was scheduled for the afternoon of Friday, January 29. Joel reported that we need to discuss project funding with our client.

This Week's Goals

- i. Setup team website and post team picture
- ii. Schedule and attend client meeting as a team
- iii. Research based off of notes from client meeting
- iv. Update problem statement and PDS

Project Difficulties

N/A

Activities

1.23.2009	Team: Assign roles, discuss project	1.5 hours
1.23.2009	Joel: Contact advisor and client	.25 hours
1.25.2009	Tyler: Research patents, radiolucent materials, heat transfer	1 hour
1.26.2009	Joel: Contact with client (scheduling)	.25 hours
1.29.2009	Joel: Research, PDS section	2 hours
1.29.2009	Joey: Research, PDS section	2 hours
1.29.2009	Paul: Research, PDS section, design notebook	2 hours
1.29.2009	Team: Meeting to divide tasks for drafting preliminary PDS	1 hour
1.29.2009	Tyler: Write PDS section, compile and format preliminary PDS	1.5 hours
1.29.2009	Tyler: Format and write progress report	1.5 hours

