Project: A Child Passenger Safety Seat (Child Seat)

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Date of Progress Report: 9/22/05

Problem Statement:

The goal of our project is to develop or improve the current method of transporting a child or infant in an ambulance on a stretcher. The method or device developed must be better than the current methods. A new method or device must be collapsible, and compatible with current ambulatory stretchers. Most importantly, the final device must meet all federal safety child seat guidelines.

Restatement of Team Goals from Last Week:

The goals for this week will be to finish our research which will allow us to finish the preliminary PDS. The three members of the team that have not met with Dr. Brazelton will go to the hospital and have the project explained to them. We will also begin to brainstorm ideas.

Summary of Accomplishments This Week:

This week three members of our team met at the hospital to have the project explained to them. At the meeting, they picked up a child safety seat that we will use in prototyping. We also met
on Wednesday night (9/21/05) to discuss the brainstorming that we had each individually done during the week. During this meeting, we evaluated our current ideas and decided to continue brainstorming.

**Individual Goals for this week:**

1. Ross: Continue brainstorming, update gant chart
2. Aman: Continue brainstorming, contact client to present ideas
3. Erik: Continue brainstorming, update gant chart
4. Karim: Continue brainstorming, update gant chart
5. Miguel: Continue brainstorming, update gant chart

**Statement of Team Goals for this week:**

The goals for this week will be to finish brainstorming and decide on a design to proceed with. We will also pass around the Gant chart to finish it up. Finally, we will attempt to meet with Dr. Brazelton and his team to ask them to critique our ideas.

**Tentative Project Schedule:**

09/02/05: Formed teams and assigned roles
09/08/05: Met our client
09/16/05: Develop PDS; Brainstorm possible designs
09/23/05: Start writing mid-semester reports
10/01/05: Evaluate Ideas and work on power point; Peer review mid-semester reports
10/08/05: Mid-Semester Presentation; Design notebooks, PDS, mid-semester reports due
10/15/05: Choose a final design
10/15/05 – 11/26/05: Work on the final design; Testing; Modifications
11/26/05: Work on the final power point, paper and PDS
12/15/05: Poster Presentation; Final paper, PDS, evaluations and design notebooks due

**Difficulties:** None

**Activities/Accomplishments:**

<table>
<thead>
<tr>
<th>Names</th>
<th>Activities</th>
<th>Time (hrs)</th>
<th>Running Total (hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ross</td>
<td>Brainstormed; Researched; Progress report; Gant</td>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>Aman</td>
<td>Brainstormed; Researched; Gant chart</td>
<td>4</td>
<td>9</td>
</tr>
<tr>
<td>Erik</td>
<td>Met with client; Brainstormed</td>
<td>4</td>
<td>7</td>
</tr>
<tr>
<td>Karim</td>
<td>Met with client; Brainstormed</td>
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</tr>
<tr>
<td>Miguel</td>
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<td><strong>Total</strong></td>
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