

Project:Possibility SunSPOT Project

Meeting Agenda

6:00 P.M. – 8:00 P.M. February 21st. 2008

Attendees:

Irina Abramova
Sean Bachelder
Sreelakshmi Gownipalli
Praveen Kansara
David Woollard
Winnie Yip

Minutes From Last Meeting:

Chris Leung gave a general introduction to the Semester Project and demoed the SunSPOTS and Headtracking equipment available to some of the projects.

Marc Allan explained the semester schedule and milestones/deliverables. Project phases as presented are:

- Phase A: Project Definition & Planning
- Phase B: Preliminary Design
- Phase C: Design/Build
- Phase D: Integration & Delivery

Deliverables for the semester are:

- 2/27 - Progress Update
- 3/12 - Preliminary Design Review (PDR) pres. @ General Meeting
- 3/26 - Status Update
- 4/2 - Critical Design Review (CDR) pres. @ General Meeting
- 4/16 - Status Update
- 4/30 - Product Readiness Review (PRR) pres./code @ General Meeting

Open Action Items:

Num	Description	Assignee
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Agenda:

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| 1. | Team Introductions | (Woollard/All) |
| 2. | Schedule & Milestones Discussion | (Woollard) |
| 3. | Tools & Process Discussion | (Woollard) |
| 4. | Project Brainstorming | (All) |
| 5. | Review PDR Deliverables and Assignments | (Woollard) |

Action Items Closed In This Meeting:

Num	Description	Assignee
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Action Items Resulting From This Meeting:

Num	Description	Assignee
1	Email the dev list with Concept Description and Risk/Mitigation Strategy	All
2	Become familiar with the software packages described in the Development Software Deployment Document	All
3	Install SunSPOTs Hardware	All
4	Draft Status Update for review by team	Woollard

Meeting Minutes:

Each member introduced themselves to the team by describing what interested them with regard to the Semester Project and what abilities they contributed to the team.

Dave reviewed the schedule for the semester and milestones that were presented by Marc Allen and Chris Leung last week. Dave suggested that the team focus on the review aspects of PDR and CDR, noting that industry reps and Semester Project management will be giving feedback to us during these milestones.

Dave introduced the team to the SunSPOTs Project Wiki include the project documents section, specifically directing attention to the SunSPOTs Team Development Software Deployment Document. This document describes the setup of software for development purposes.

The team discussed possible project topics. Sean started by proposing a few possible topics including sonar for blind people, health monitoring to be worn on person, and SunSPOT as rehab device. Praveen suggested a project involving the sunspots assisting a disabled person by translating gestures into speech. Winnie discussed the possibility of SunSPOT motion capture to be used to draw in the air. Irina suggested monitoring a person's movements.

Dave consolidated these ideas into two possible projects: a motion-capture system, and an environmental assistant system. After discussing both projects, the team concluded that they would pursue the motion-capture system. We developed the idea further to be a general "gesture capture" system that would consist of a SunSPOT communicating accelerometer data to a base-station that

could record and recognize gestures and use a plug-in framework to act on these gestures.

Dave discussed the upcoming PDR and suggested that as an action item for each member of team would be to summarize the discussion of this evening in a concept description statement and to discuss possible risks with the project and mitigating strategies.