COE 485 Senior Design Project
Project plan

Title: Smart Campus.

Description:

The goal is to design a smart campus system that is autonomous, versatile and is as noninvasive as possible. The system should be able to carry different services needed by such campus.

Service could include: Presence checking, Message delivery, Authentication and authorization… etc.

Supervisor:

Dr. Muhammad Elrabaa.

Team:

- Sultan Alotaibi 200891300
- Ali Al-Hussaini 200818540

Outcome:

At the end of the given period, we should have a working prototype done that provides one service of choice. There will also be a lot of time in designing the infrastructure of the system.

Also, making the choices that would support the ability to add and increase the size of the project later in the future.

Requirements:

To design a smart campus that has the following features:

- Design the infrastructure for the Smart campus.
- Ability to build upon in the future.
- Provide at least one functioning service. More shall be considered bonus services.
- Be as noninvasive as possible.

- Efficient system.
- As a demonstration a smart classroom will be able to take attendance without wasting the class time (no name calling or signup sheet).

Timetable:

Task ID	Task	owner	Week 3	Week 4	Week 5	Week 6
1.0	**Compare and Decide on a technology**	**Sultan**	X			
1.1	Search and find strength and weakness of different technologies	Ali	X			
1.2	Meet and decide on a technology>1.1	Sultan	X			
1.3	Order parts>1.2	Sultan	X			
2.0	**Design the infrastructure**	**Ali**	X	X		
2.1	Find out the needed services	Sultan	X	X		
2.2	Learn how to design the infrastructure efficiently	Ali	X	X		
2.3	Start implementing the infrastructure>2.1,2.2	Ali		X	X	
3.0	**Design and implement the prototype>1.3**	**Sultan**		X	X	X
4.0	**Continue implementing the infrastructure and test key functions>2.3**	**Ali**		X	X	X
5.0	**Integrate the prototype into the infrastructure>3.0,4.0**	**Sultan**				

Schedule is tentative and not final.

For tasks 3-5 the Times are early estimates and not final. Also sub tasks will be divided between Team members

">"Denotes Dependencies.