Smart Attendance

### Project Proposal

# 

**Background**   
 Over the years, a lot of lecturers want to take the attendance of their students to use it in giving them grades and calculating some statistics. But it’s always a boring process to both -lecturers and student-.  
So smart attendance is an android application that speeds up this process, and give them more features in less time.

* Take attendance quickly in an easy way using the application.
* Calculate some statistics (attendance percentage, etc.).

**Scope**

By using this application, it will be easy for professors to keep track of their students’ attendance, take attendance, knowing attendance percentage and knowing some other statistics. Based on this information, they will take appropriate actions towards the students and they will know if there is a problem in that class that affects attendance levels.

**Scenario**

* The lecturer create a new attendance file, or open existing one.
* Every student can find that local network and send his name to that file.
* After each session, the app restructured information and change the file into an attendance sheet.
* Lecturer can do statistical reports on file or group of files, or assign equation to be used calculating grades.

The project will take three phases to be finished:

1- Specification phase.

Determine in details the specifications of the application.

2- Prototype 1 phase (25% of the work)

Design and implement the basics functionality of the application (taking attendance automatically without any other functionality).

3- Prototype 2 phase (75% of the work)

* Implement statistics functionalities.
* Introduce better user interface and user experience.
* Sharing professor information.
* Add functionality of adding students manually by the lecturer.

**Timeframe**

|  |  |  |
| --- | --- | --- |
|  | Description of Work | Start and End Dates |
| Phase One | Software Requirement Specification | week 4 - week 6 |
| Phase Two | Design, implement and test some of the features of the SW (about 25% of the code) | week 6 - week 9 |
| Phase Three | Design, implement and test the rest of the features of the SW (about 75% of the code) | week 9 - week 14 |

**Key Stakeholders**

|  |  |  |
| --- | --- | --- |
| Client | ---- | ----- |
| Project members | Ramy Mohamed Saied  Mahmoud Youssri  Loai Ali  Ammar Alsayed | [ramy.m.saied@gmail.com](mailto:ramy.m.saied@gmail.com)  [youssri.mahmoud@yahoo.com](mailto:youssri.mahmoud@yahoo.com)  [imfunky505@gmail.com](mailto:imfunky505@gmail.com)  [ammaralsayed55@gmail.com](mailto:ammaralsayed55@gmail.com) |

Team leader: Ammar Alsayed  
**Monitoring and Evaluation**

* Three statistical information (at least), as attendance percentage at each class, average attendance percentage, most absent students.
* Percentage of successfully connected device at the same time in specific class.
* Difference between times required to take attendance using the app and time without it.