**Project Management plan**

**Project Name:** Student Attendance Tracking

**Project Description:**

            The main purpose of this system is to develop an easy and flexible way of tracking the attendance of a specific student and updating them with a feedback. There are many others traditional ways of marking a student attendance but they may include many drawbacks such as abuse of the system, installation of new hardware or time constraints and many more. Overcoming these limitations would be a major task thus we plan to create a system which would scan a QR code generated by the instructor for a specific course using the specific CRN of that course and with a specific time in which the class meets which is generated by him using a standalone application and displays it on the screen for the students to scan and capture it, then the student scans the QR code and captures the image of the code and the system automatically sends it to the database which is automatically retrieved for the instructor and it is updated showing all the details of the student such as the unique ID, name and other personal information and then the attendance would be graded and the student gets a feedback stating the status of his attendance is graded or not.

**Project Deliverables:**

1. Mobile Application

* QR code scanner
* QR code capture

1. Stand Alone Application

* QR code generator
* Retrieves student attendance

**Project Organization:**

All team members are responsible for every work that must be worked on for the project. But each member of the team will supervise one a aspect of the project.

Various aspects of the project are as follows:

* Primary Contact
* Client Management
* Data management
* Requirements Management
* Quality and Testing Management
* Issue Management
* Communications and Documentation management

**Managerial Process:**

* Monitoring of the project should be done on weekly basis to handle change requests and review the project progress.
* Each deliverable should be formally approved by the client.

**Technical Processes:**

* Agile methodology is been followed to develop this project.
* Object orient programming process will be used to develop any java or iOS applications.
* Tools and Techniques that will be used to develop this project are Java, Swift, swing , eclipse/NetBeans, XCode and some database tools and techniques.

**Work Packages:**

The main work packages of the systems are:

* Algorithm Design
* Database design and creation
* UI design
* Coding according to the designed algorithm
* Finally, Integrating all the work packages together

**Budget Allocation:**

The only budget for this project will the number of hours that team members spend individually on the project. We are expecting each team member to work for 40 hours a week in summer semester and 15 hrs a week in fall semester.

**Schedule:**

The project is started on 06/12/2017 and is expected to complete by 12/15/2017. Detailed schedule for each week will be updated to the client in the respective week.