

# USER MANUAL

## Smart Attendance System

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# **Table of Contents**

1. General Description of System

2.How to Use for Mobile Application

2.1. Login Page

2.2. Check-in Page

2.3. Report Page

3.How to Use for Web Application

3.1. Login Page

3.2. Add Course Page

3.3. List Attendance Page

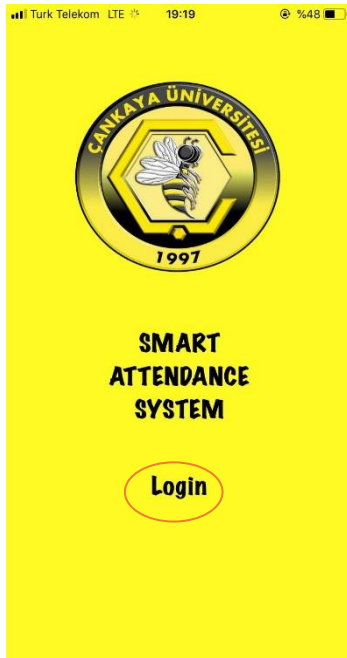
## 1. General Description of System

The purpose of system is tracking and monitoring the course attendance of students . The system consists of three basic components. First component is mobile application. Second component is iBeacon and last component is web application. Mobile application is designed for students and web application is designed for lecturer. The mobile application records the attendance of the system through iBeacon. In addition, teachers can access these records through web application. Students must be get signal from iBeacon for check-in.

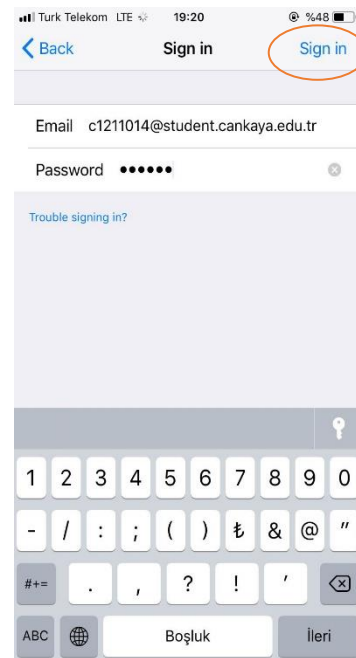
## 2.How to Use for Mobile Application

Our system can be used by students.

### 2.1. Login Page

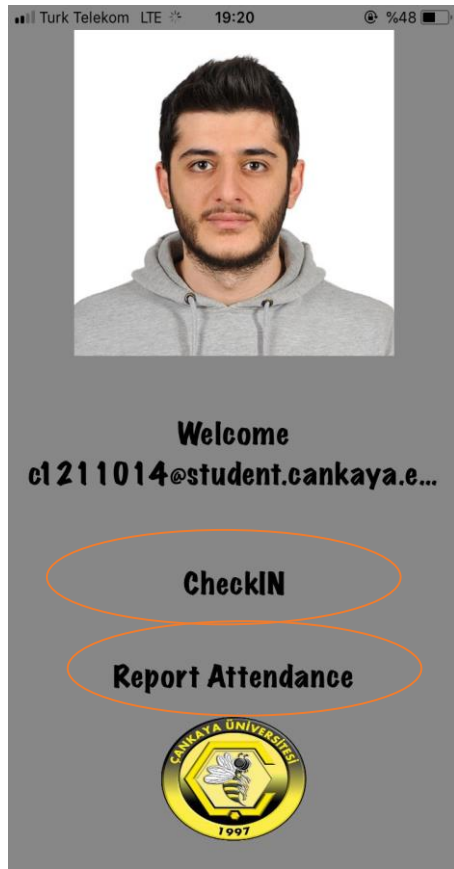


*Fig.1: Homepage for Mobile Application*



*Fig.2: Login Page for Students*

Students can fill e-mail and password. Students can use university e-mail and password. After that students must be click "Sign in" button.



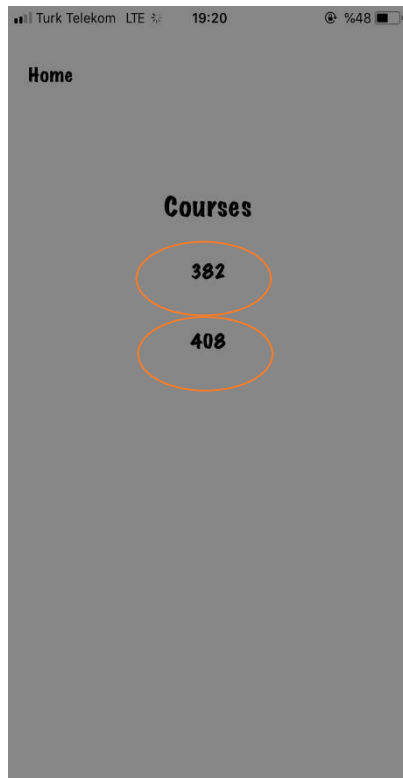
*Fig.3: Menu for mobile application*

When students login in the system will see display menu and select operation "checkIN" or "Report Attendance".

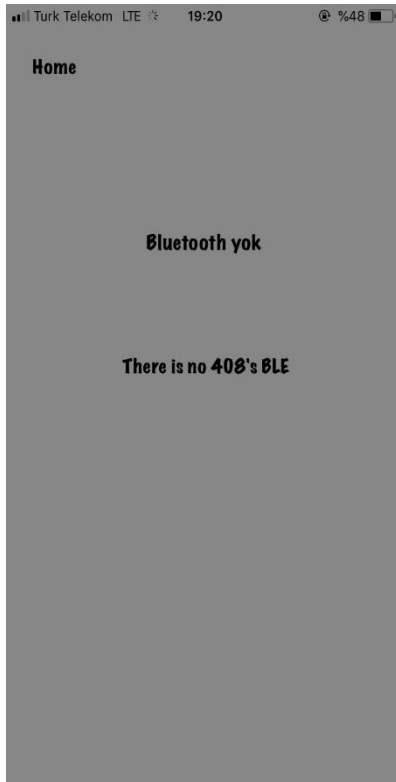
## 2.2. Check-in Page

This page include list of course. Students can select course which is want to check-in.

When students select the course, student's bluetooth should be active.

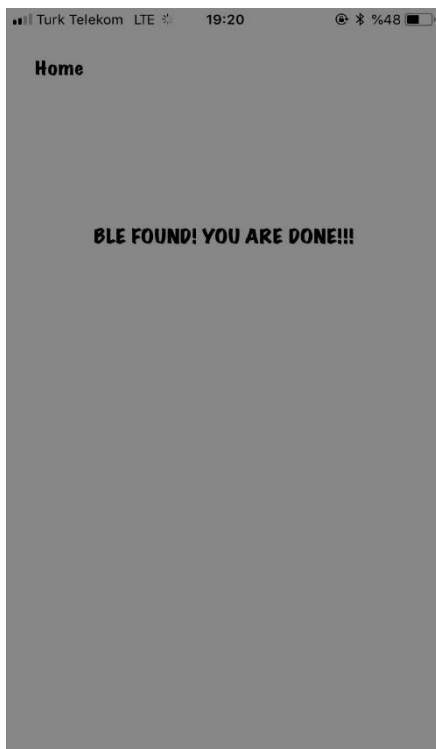


*Fig.4: Check-in page1*



*Fig.5:Check-in page2*

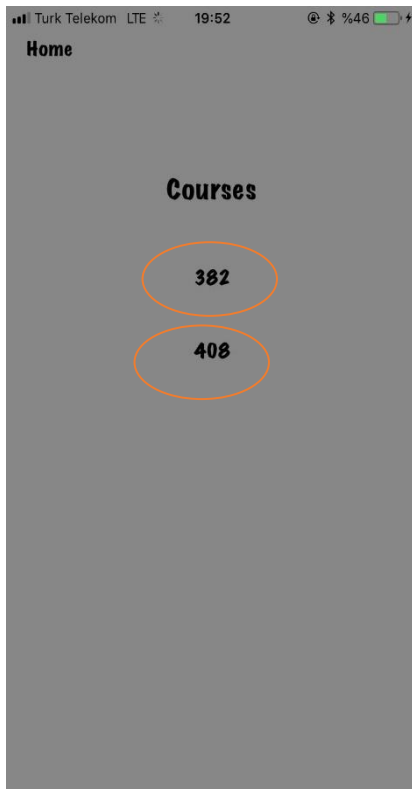
If student's bluetooth active their check-in is saved succesfully on the database.



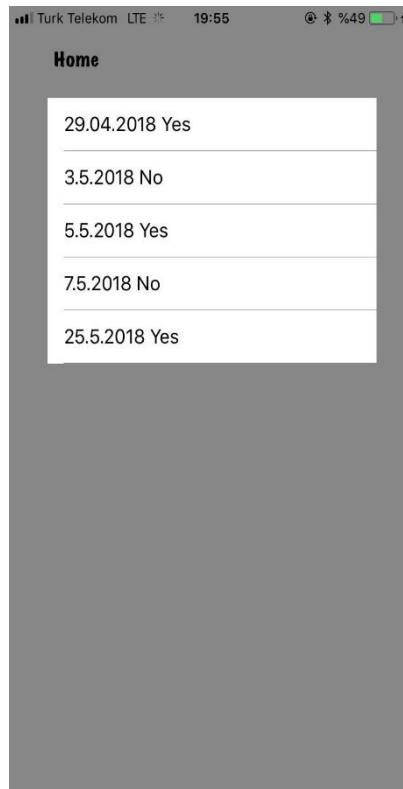
*Fig.6: Check-in Page 3*

### 2.3. Report Page

This page include report of attendance. The date information and check-in information of the student who is logged in is listed on the report page week by week. Student can select course and student can see attendance information.



*Fig.7: Report Page 1*



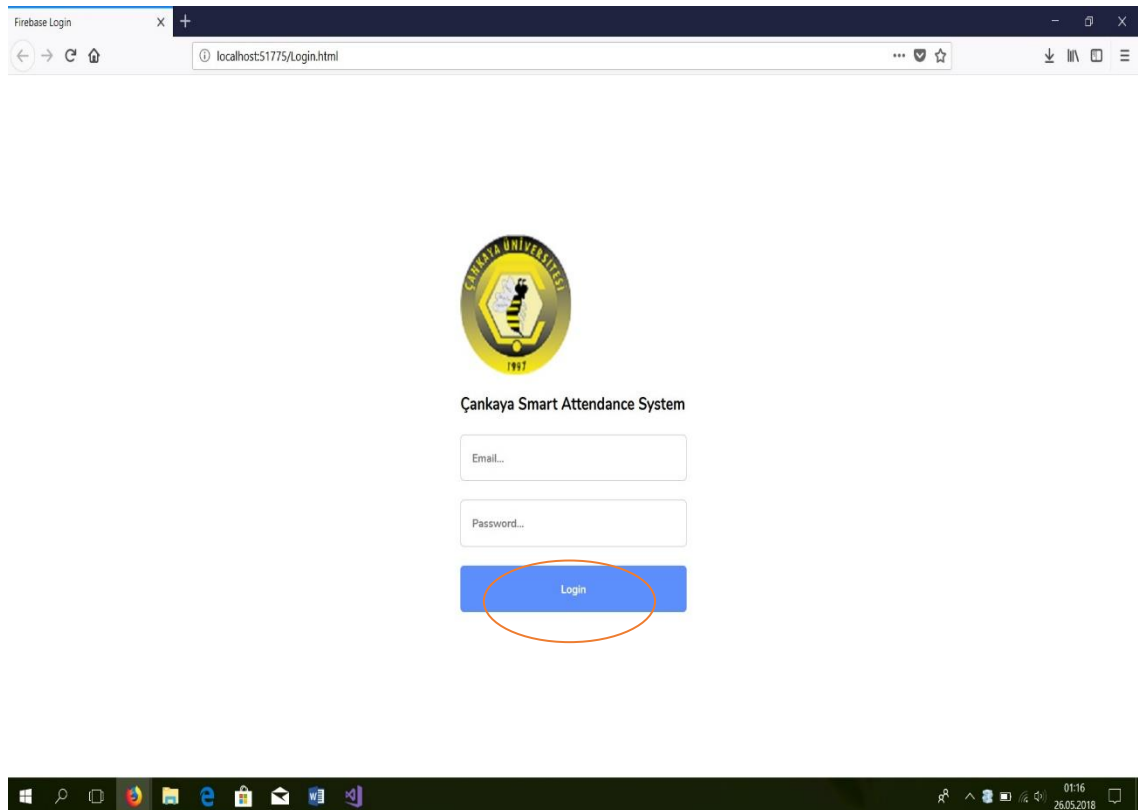
*Fig.8: Report Page 2*

### 3.How to Use for Web Application

Our system can be used by lecturer.

#### 3.1. Login Page

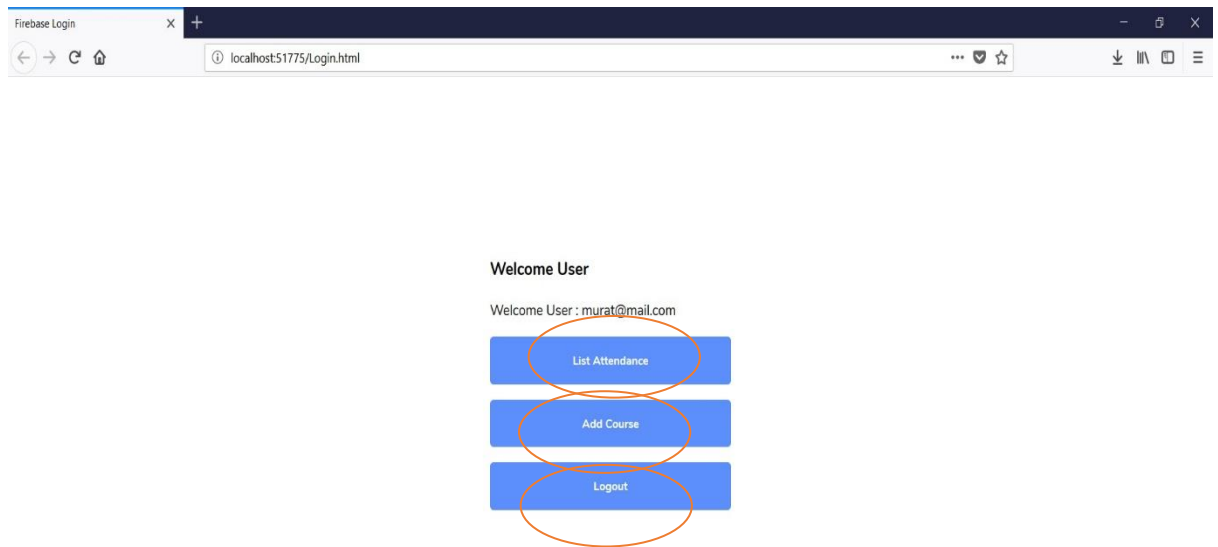
Lecturers can fill e-mail and password. Lecturers can use university e-mail and password. After that lecturers must be click "Login" button.



*Fig.9: Login Page for Web Application*

When lecturers login in the system will see display menu and select operation "List Attendance" or "Add Course".

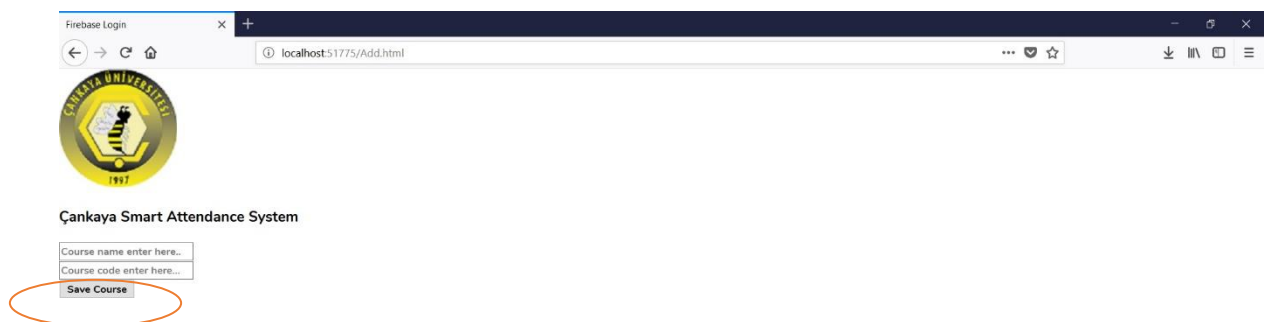




*Fig.10: Menu for Web Application*

### 3.2. Add Course Page

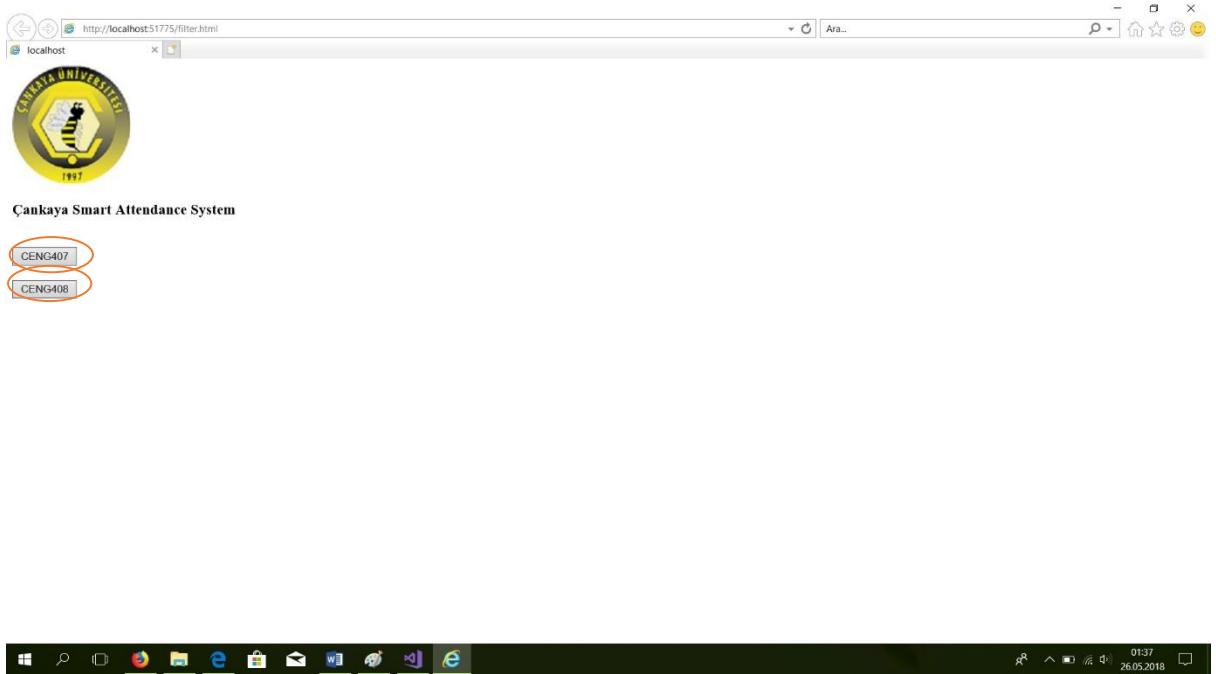
If lecturers want to add new course, lecturers can use add course page. Lecturers can fill course information including course name and course code. Finally, lecturers can click “Save Course” button.



*Fig.11: Add Course Page*

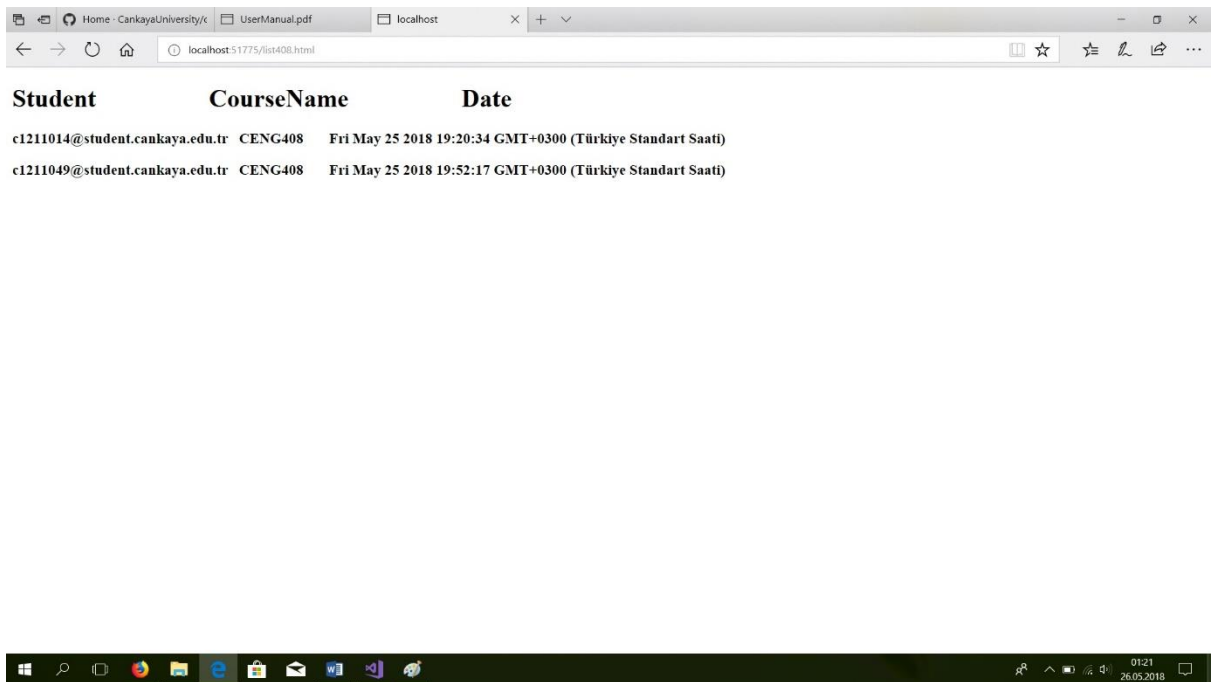
### 3.3. List Attendance Page

If lecturers want to see information of students, lecturers can use list attendance page. Firstly lecturer should select course name in order to display attendance list.



*Fig.12: Report Page1*

Attendance list include student's number, course name, date and time information.



*Fig.13: Report Page 2*