

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“JnanaSangama”, Belgaum -590014, Karnataka.



PROJECT WORK-3 REPORT

on

COLLEGE ATTENDANCE SYSTEM

Submitted by

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Under the Guidance of

Prof. Sunayana S

Assistant Professor, BMSCE

in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING



B.M.S. COLLEGE OF ENGINEERING

(Autonomous Institution under VTU)

BENGALURU-560019

Oct-2021 to Jan-2022

B. M. S. College of Engineering,
Bull Temple Road, Bangalore 560019
(Affiliated To Visvesvaraya Technological University, Belgaum)
Department of Computer Science and Engineering



CERTIFICATE

This is to certify that the project work entitled “**COLLEGE ATTENDANCE SYSTEM**” carried out by **ROHIT CHADICAL (1BM18CS084), RAHUL PRAKASHA (1BM18CS078), SHREYAS KS (1BM18CS104)** who are bonafide students of **B. M. S. College of Engineering**. It is in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the Visveswaraiah Technological University, Belgaum during the year 2021-2022. The project report has been approved as it satisfies the academic requirements in respect of **Project Work-3 (20CS5PWPW3)** work prescribed for the said degree.

Signature of the Guide

Sunayana S

Assistant Professor, Dept. of CSE

BMSCE, Bengaluru

Signature of the HOD

Dr. Umadevi V

Associate Prof.& Head, Dept. of
CSE

BMSCE, Bengaluru

External Viva

Name of the Examiner

Signature with date

1. _____

2. _____

B.M.S. COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



DECLARATION

We, **ROHIT CHADICHAL (1BM18CS084), RAHUL PRAKASHA (1BM18CS078), SHREYAS KS (1BM18CS104)** students of 5th Semester, B.E, Department of Computer Science and Engineering, B. M. S. College of Engineering, Bangalore, hereby declare that, this Project Work-1 entitled "Project Title" has been carried out by us under the guidance of Sunayana S, Assistant Professor, Department of CSE, B. M. S. College of Engineering, Bangalore during the academic semester Oct-2021-Jan-2022

We also declare that to the best of our knowledge and belief, the development reported here is not from part of any other report by any other students.

Signature

ROHIT A CHADICHAL (1BM18CS084)

SHREYAS KS (1BM18CS104)

RAHUL PRAKASH (1BM18CS078)

1. Introduction

App development for “COLLEGE ATTENDANCE SYSTEM”

This online submission system supports following users

- a. Student
- b. teachers
- c. admin

Features available:

Admin module : Add Student, Add Faculty, Add Teacher, View Student, View Teacher, View Student Attendance.

Teacher module : Take attendance and keep them class wise, Add New student. View each student's attendance separately, Edit Student/Attendance later.

Functionalities under teachers login

- i. can take attendance
- ii. Display the list of students who are present or absent

Functionalities under admin login

- i. students and teachers can register here
- ii. Display of the list of students
registered
- ii. Display of the list of teachers
registered

2. Design Layouts: Screen Shots of Mobile App

2.1: Login screen

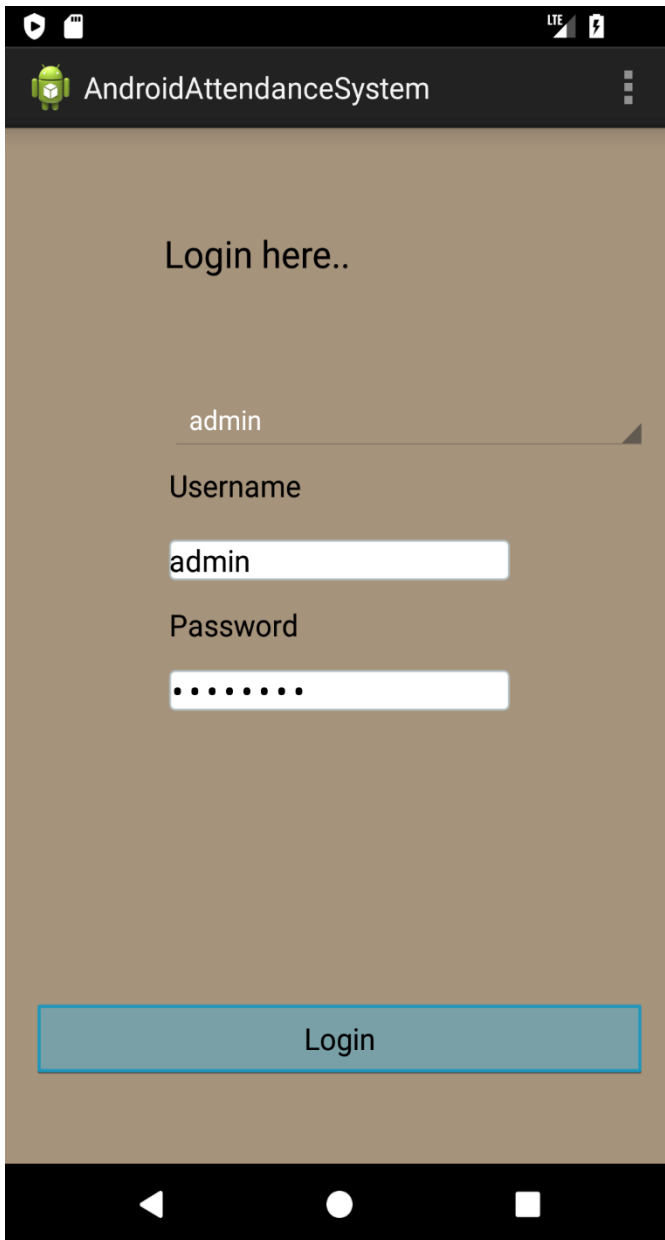


fig 2.1

1.: The login page which can be accessed by admin and teacher(after they are registered)takesus to home page through which various activities can be accessed and controlled

2. : Home screen

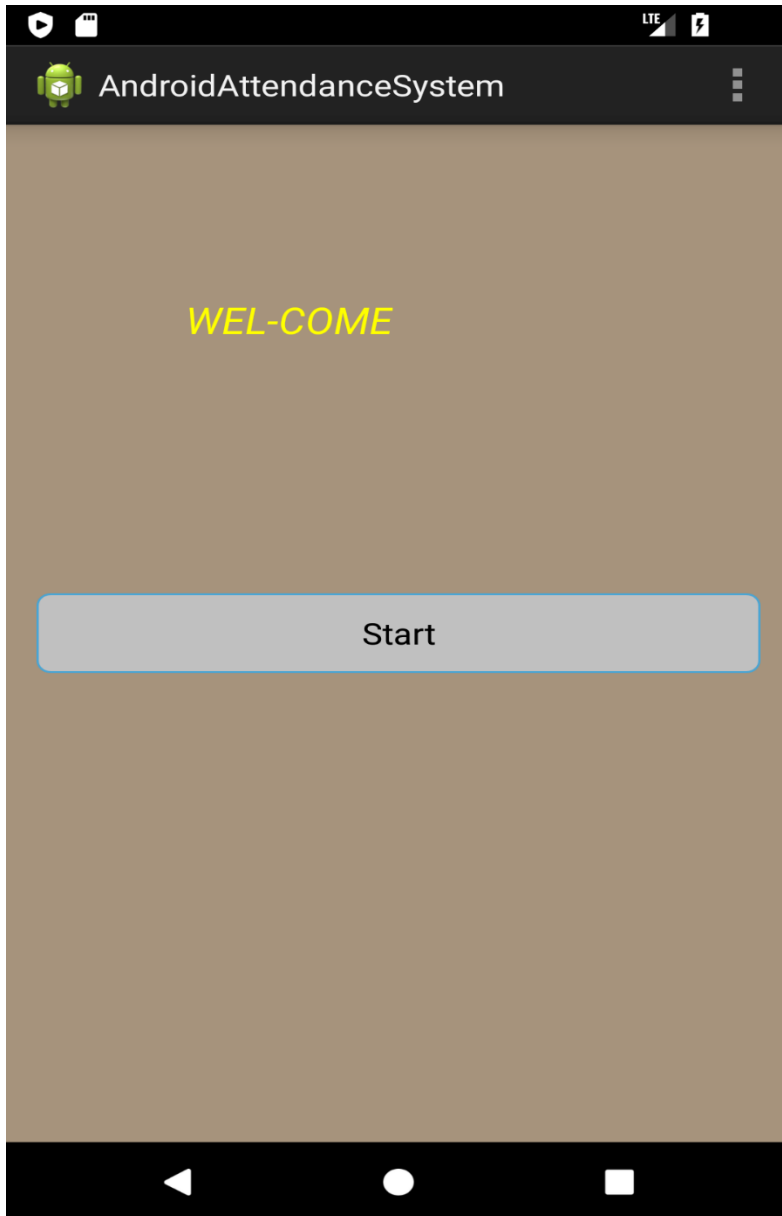


fig 2.2

2. : Home screen is designated to lead the admin and teachers to different activities to carried outby each of them respectively

3. : Registration screen

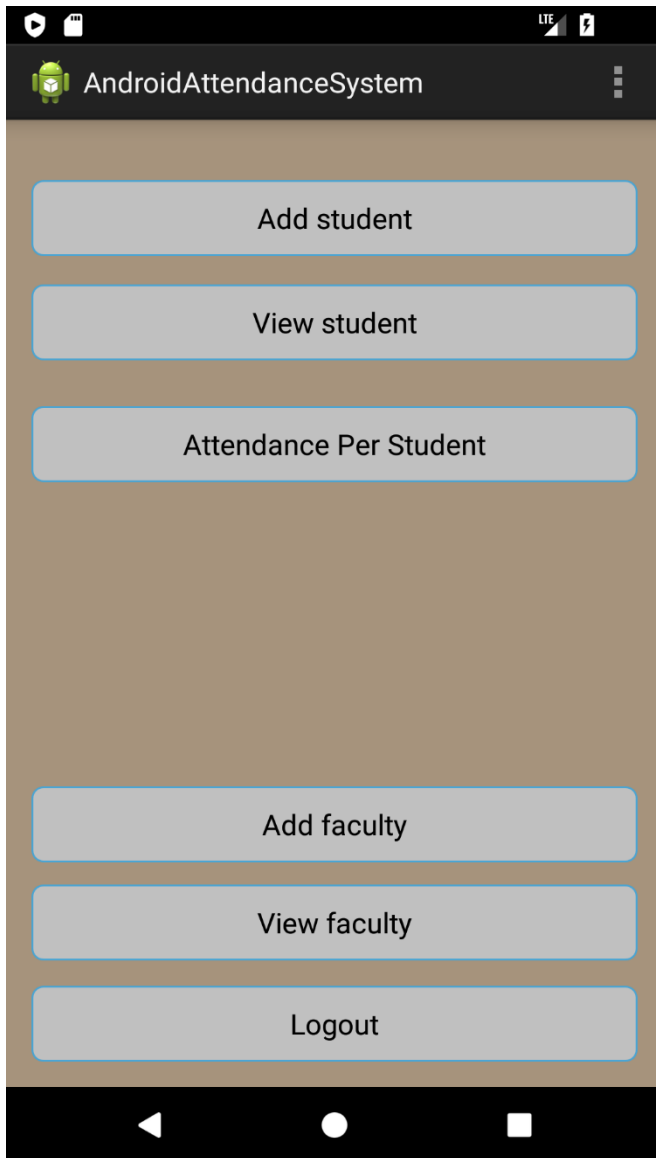
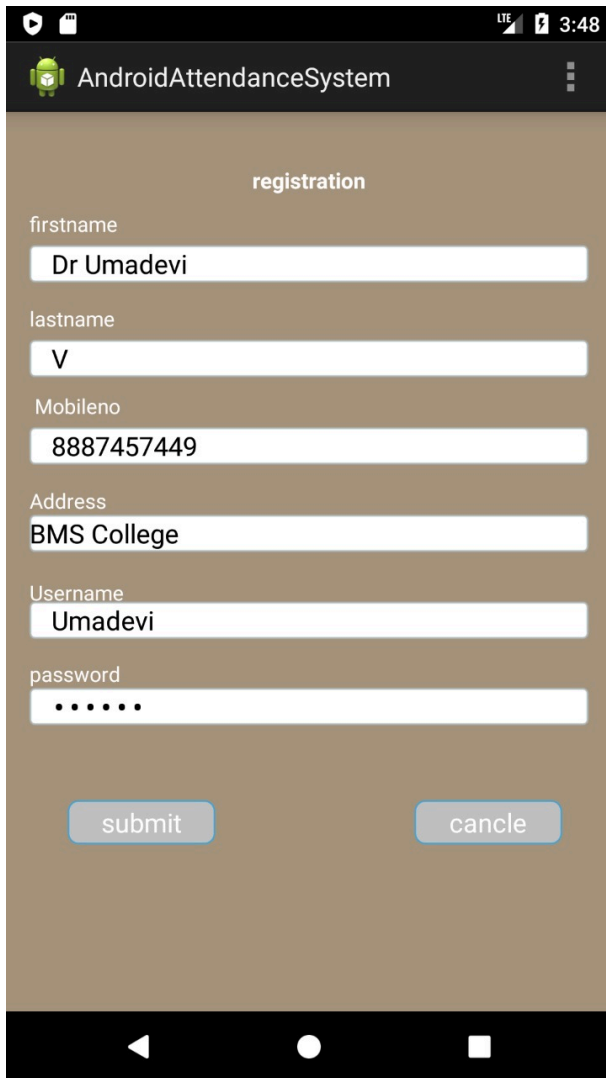


fig 2.3

Registration screen which can be accessed by admins is used to add new student and faculty manually. This page also leads admin to page where they can view students and their attendance as well as view faculty.

3. : Add faculty screen



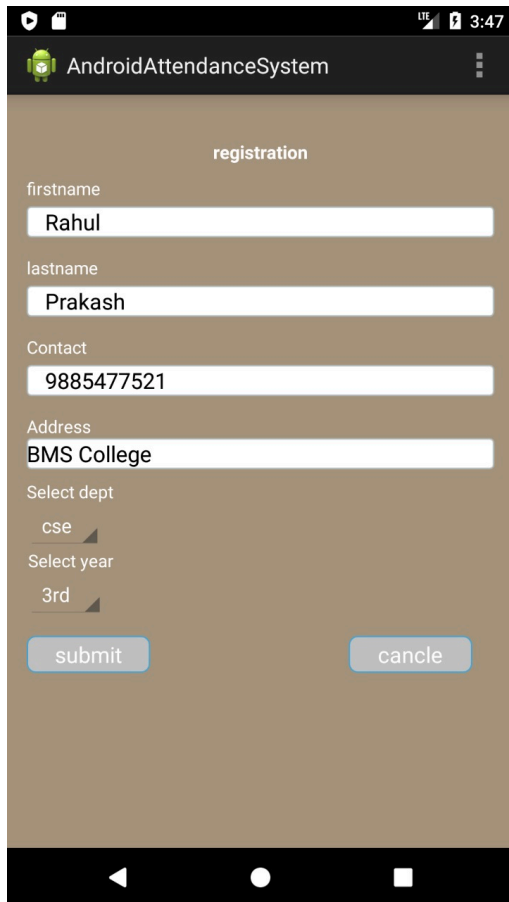
The screenshot shows the registration screen of the AndroidAttendanceSystem app. The app's title bar at the top displays the Android logo and the text 'AndroidAttendanceSystem'. The main content area has a brown background and is titled 'registration'. It contains six text input fields with the following labels and values: 'firstname' (Dr Umadevi), 'lastname' (V), 'Mobilenno' (8887457449), 'Address' (BMS College), 'Username' (Umadevi), and 'password' (represented by dots). At the bottom of the form, there are two buttons: 'submit' and 'cancle'. The bottom of the screen shows the standard Android navigation bar with back, home, and recent apps icons.

fig 2.4

4. : After admins go with the option of ADD FACULTY they are taken to the add faculty screen where they are needed to fill in various information about the faculty. A username name and

password for each faculty is set. After faculty has been added they get to use the app to obtain various benefits of the app which are explained in the later part

5. : Add student screen



The screenshot displays the 'registration' screen of the 'AndroidAttendanceSystem' app. The form contains the following fields and values:

- firstname: Rahul
- lastname: Prakash
- Contact: 9885477521
- Address: BMS College
- Select dept: cse
- Select year: 3rd

At the bottom of the form are two buttons: 'submit' and 'cancle'.

fig 2.5

5. : Admins get to add students information which includes several same fields as faculty except 2 fields which are different in both of these. Instead of username and password they have department and year field to fill in so that their information can be stored in respective database

6. : Attendance screen

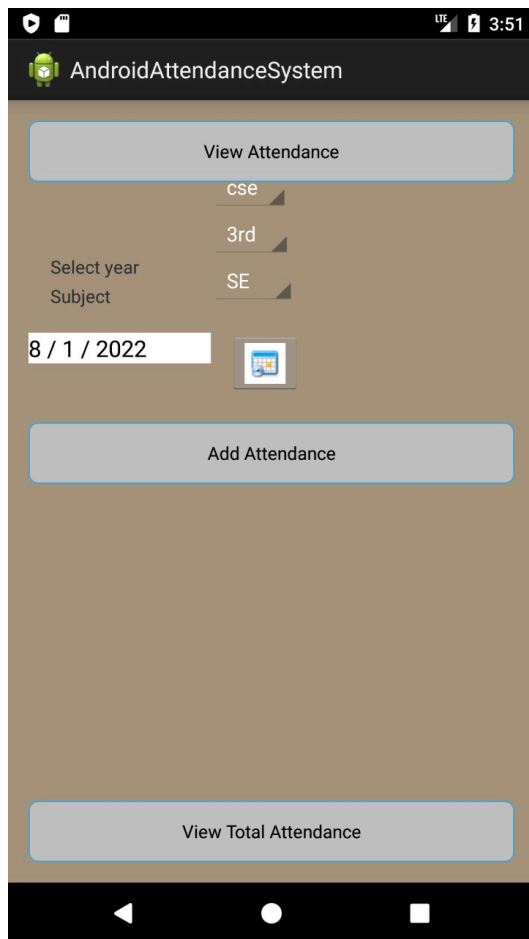


fig 2.6

2.6: Attendance screen has options of department , year , section ,date calendar and subject to view attendance data about a particular year of students at particular dates and of particular subjects carried out by faculty . This is also used to add new attendance data of the students as well as view total attendance of students to know if they have been on shorthand of attendance.

3. Database Screen shots

1.student Registration Database

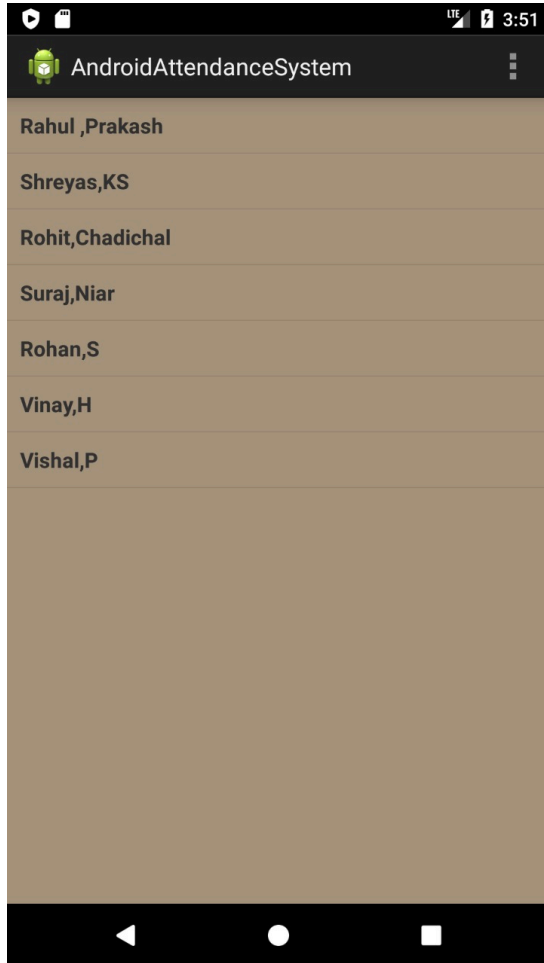


fig 3.1.A

3. This is the student database which is used to store data of specific year students which can be accessed and make tasks simpler such as knowing which particular students in that section and eliminates the usage of manual attendance which are quite tedious job to maintain.

2. Teachers Registration Database

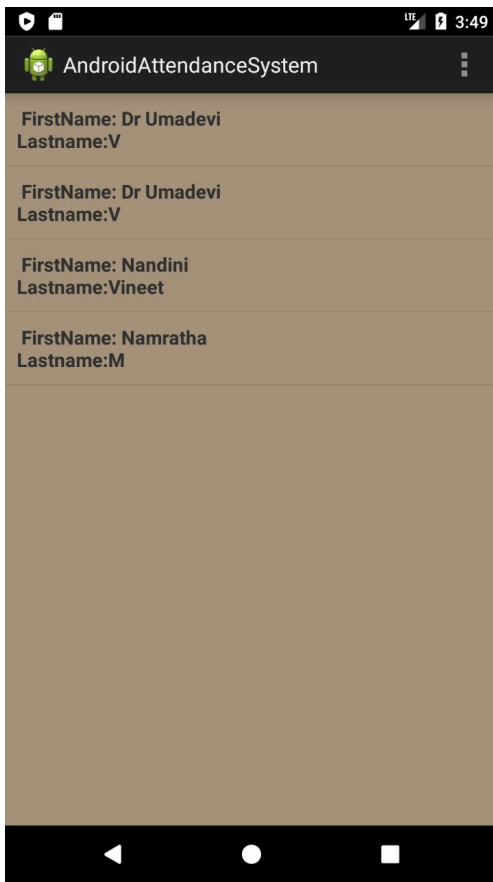


fig 3.2

2. : This gives access to all the faculty working in a single page which is a convenient option

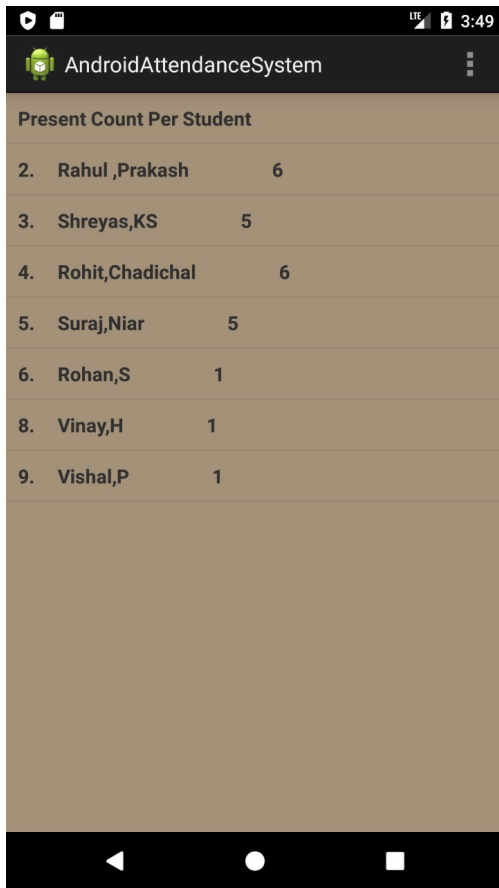
3. Attendance Database of any specific subject



Id	StudentName	Status
Date : 14 / 1 / 2022		
2.	Rahul ,Prakash	P
3.	Shreyas,KS	A
4.	Rohit,Chadichal	P
5.	Suraj,Niar	P
Date : 14 / 1 / 2022		
2.	Rahul ,Prakash	P
3.	Shreyas,KS	P
4.	Rohit,Chadichal	A
5.	Suraj,Niar	P
Date : 13 / 1 / 2022		
2.	Rahul ,Prakash	P
3.	Shreyas,KS	P
4.	Rohit,Chadichal	P

Now that we know several features of these app this particular feature leads us to Attendance information of specific year students of particular subject . This maintains an easy record of the students which can be used the number of days they are present or absent

4. Attendance per student database



Present Count Per Student		
2.	Rahul ,Prakash	6
3.	Shreyas,KS	5
4.	Rohit,Chadichal	6
5.	Suraj,Niar	5
6.	Rohan,S	1
8.	Vinay,H	1
9.	Vishal,P	1

fig 3.4

3.4: This one gives cumulative attendance of particular student in particular subject and reduces the hassle of maintaining physical attendance record