PROJECT STAGE-1 REPORT

On

BVRITH INTRANET MOBILE APP

Submitted in partial fulfillment of the requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

COMPUTER SCIENCE ENGINEERING

BY

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Under the esteemed guidance of

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Assistant Professor

Department of Computer Science Engineering

BVRIT HYDERABAD COLLEGE OF ENGINEERING FOR WOMEN

(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)

Accredited by NBA and NAAC with A Grade

Bachupally, Hyderabad – 500090

2021-2022

DECLARATION

We hereby declare that the work described in this report, entitled **"BVRITH INTRANET MOBILE APP"** which is submitted by us in partial fulfillment for the award of the degree of **Bachelor of Technology** in the department of **Computer Science and Engineering** at **BVRIT HYDERABAD College of Engineering for Women**, affiliated to **Jawaharlal Nehru Technological University Hyderabad**, Kukatpally, Hyderabad – 500085 is the result of original work carried out under the guidance of **Mr. K. Naresh, Assistant Professor, Department of CSE.**

This work has not been submitted for any Degree / Diploma of this or any other institute/university to the best of our knowledge and belief.

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CERTIFICATE

This is to certify that Major Project Stage-1 report, entitled **"BVRITH INTRANET MOBILE APP"** is a bonafide work carried out by **Ms. SARA FATHIMA (18WH1A0542), Ms.CH.SRIPRIYA (18WH1A0557), Ms.NISHA (19WH5A0505)** in partial fulfillment for the award of B.Tech degree in **Computer Science and Engineering, BVRIT HYDERABAD College of Engineering for Women, Bachupally, Hyderabad**, affiliated to **Jawaharlal Nehru Technological University Hyderabad,** under my guidance and supervision.

The results embodied in the project work have not been submitted to any other University or Institute for the award of any degree or diploma.

Internal Guide
Mr. K. Naresh
Assistant Professor, CSE

Head of the Department
Dr. Srinivasa Reddy Konda
Professor, CSE

External Examiner

ACKNOWLEDGEMENT

The satisfaction that accompanies in successful completion of the task would be incomplete without the mention of the people who made it possible

We express our gratitude towards our honorable Principal, **Dr. K. V. N. Sunitha** and the **Management** for providing all the facilities.

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We are extremely thankful and indebted to our guide, **Mr. K. Naresh, Assistant Professor**, Department of Computer Science and Engineering, **BVRIT HYDERABAD College of Engineering for Women** for his / her constant guidance, encouragement and moral support throughout the project.

We also thank all the **Faculty members** and Non-teaching staff members of the Computer Science and Engineering department, who supported us directly or indirectly in successful completion of this project work.

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ABSTRACT

The Usage of mobile devices in our daily life has resulted in a technological and cultural shift in the society. Availability of information via this medium is profoundly altering the way we perform our activities, like searching, shopping, government inter- action, education etc. As we all know mobile apps are user friendly and easy to access so, we want to develop an app called intranet which includes some of the features of our website called ecap and extra features like student graduate survey, student leaves, student achievements, faculty achievements, faculty leaves, course attainments, etc.

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1. INTRODUCTION

1.1 Problem Statement:

Developing a complete, integrated android based mobile application to provide students with information regarding College administration details, Departmental details, Placement activities, Library books details, Hostel details, Transportation details, and so on.

1.2 Objective:

This mobile application will be used by students, staff and administration. In the previous system, all the information has to view in website. At the same time while searching any information it is too difficult to access and it takes a lot of time to search in the particular website. Hence, in order to overcome this problem a smart phone based mobile application using Android can be used to make this process easier, secure and less error prone.

1.3 Proposed System:

Intranet is a real time application that can be installed on any Android devices and improve interactivity, accessibility and convenience in the learning process. This application consists of extra features like Placement details, Students Achievements and Certifications.

2. LITERATURE SURVEY

1. Shilpi, Taneja., Goel, Anita. (2015). Mobile Applications in Educational Institutions. Computational Intelligence Communication Technology (CICT), 2015 IEEE International Conference on. IEEE, 2015.

In [1] , It is aimed to develop an Android Mobile Application on College Management System on smart phones that is of importance to educational institution. This Mobile Application can be used as a information management system for the college.

2. Nikhlil Jadhav1 , Bhupesh Singh2 , Kunal Lunge3 , Gopi Mali 4 , Nilesh Patil, Android Application for College Management System, in IJESC Volume 6 Issue No. 12 , 2016.

In [2] , Android College Management system is an android mobile application which is helpful for students and the colleges. In the proposed system, students can view results using mobile phones. The faculty can login through the mobile app and update the academic result. In this system, students have easy access for viewing the marks, attendance, fee details, timetable, academic calendar and they are not permitted to update the marks.

3. Ankit Bansal 1,Ajit Rana 2,Akhil Bansod 3,Prafulla Baviskar 4, Mobile based campus Information Retrieval Android Application, in IJCSMC, Vol.4, Issue.3,March 2015

In [3] , This system focuses on helping the Faculty and Administration who are working in the institution. The android mobile application is focused to help the faculty for the progression and the academic development of the institution. i e. by checking the performance of the students.

3. REQUIREMENTS

3.1 Software Requirements

- OS - Windows 10
- MySQL, Netbeans
- JAVA, XML
- XAMPP, Android Studio
- Apache server

3.2 Hardware Requirements

- Intel Core i3 processor
- RAM 8GB
- Hard Disk Drive 1TB

4. METHODOLOGY

4.1 ARCHITECTURE

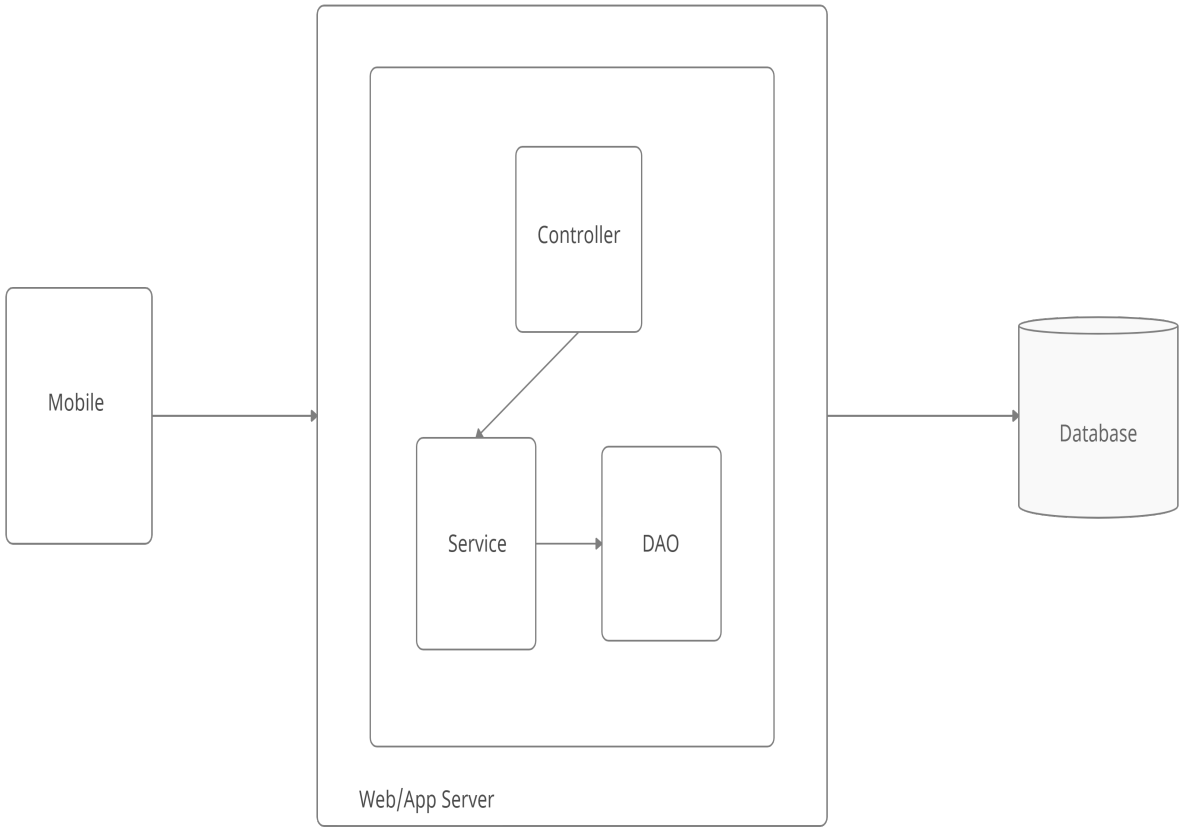

Figure 1: Architecture

Whenever the user sends the request controller receives the request from user and sends the same request to service and it sends the same request to DAO and it will fetch all the details from Database according to the request and it send back the data to service and service will sends to controller. Now controller will give response to the user.

4.2 ADMIN USECASE

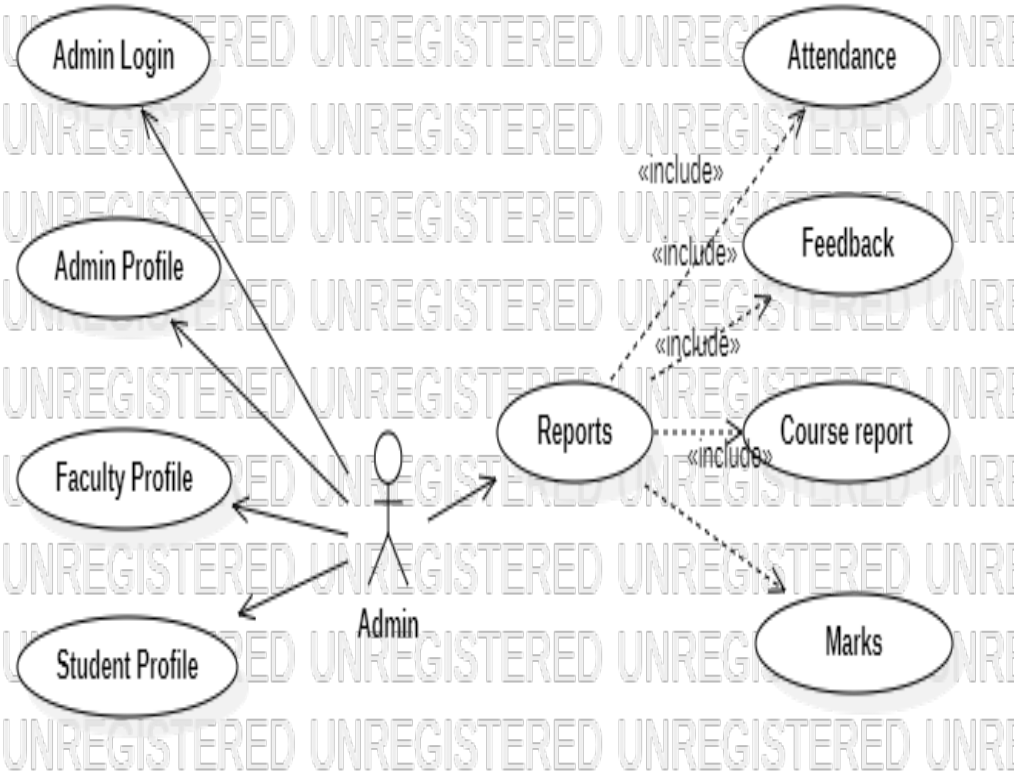

Figure 2: Admin Usecase

4.3 LIBRARIAN USECASE

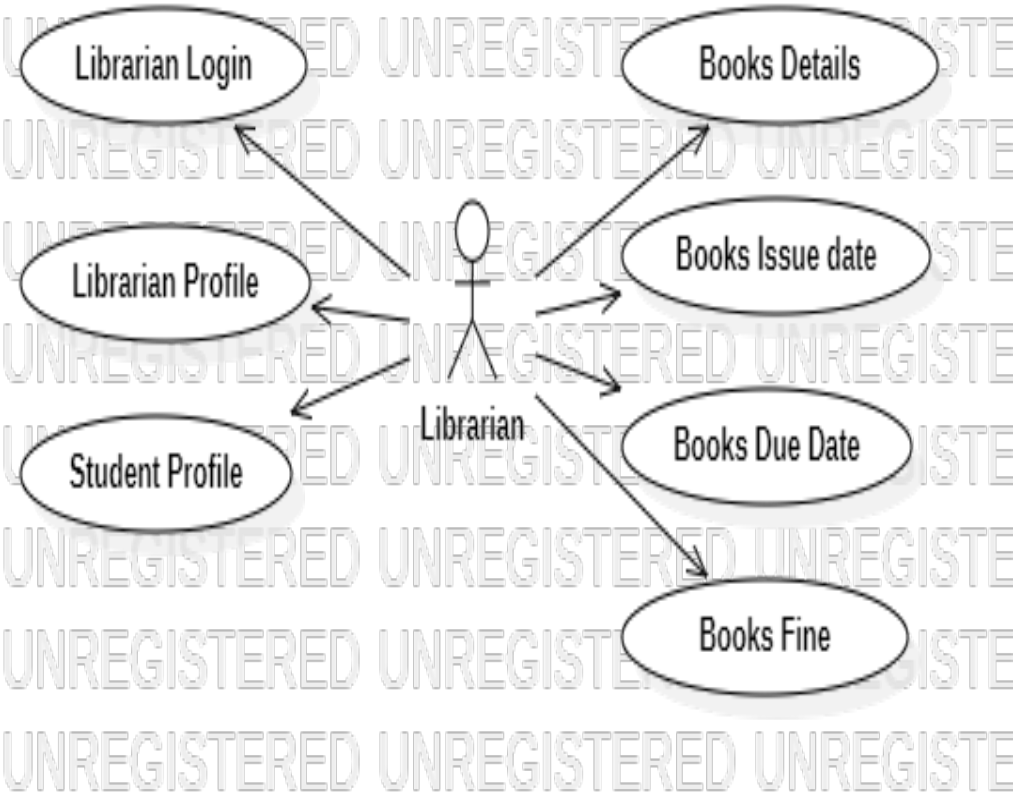

Figure 3: Librarian Usecase

4.4 FACULTY USECASE

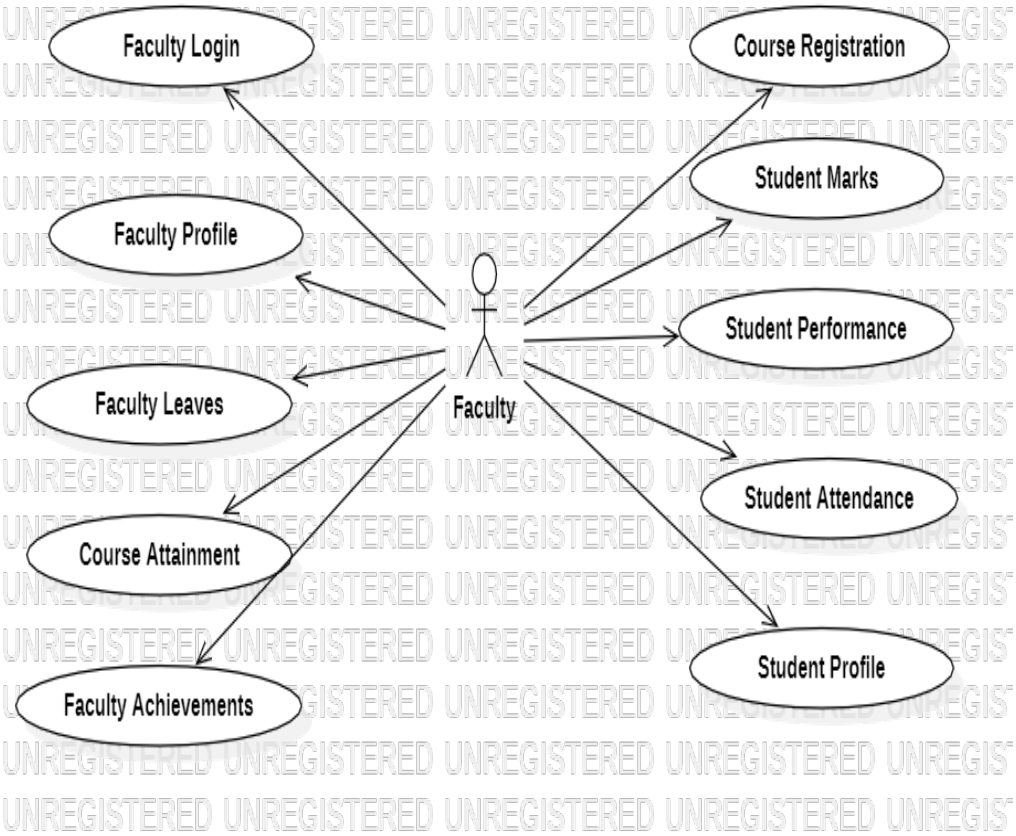

Figure 4: Faculty Usecase

4.5 STUDENT USECASE

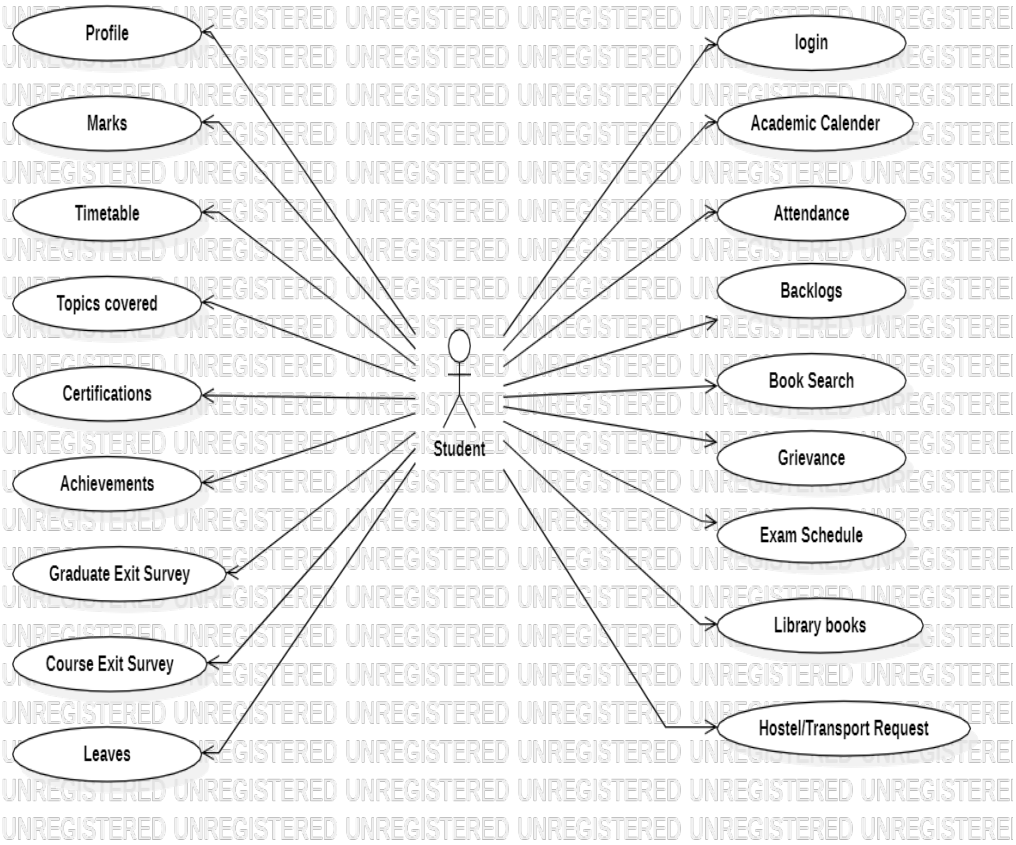

Figure 5: Student Usecase

5. IMPLEMENTATION

```
package com.example.loginlogout;

import androidx.appcompat.app.AppCompatActivity;
import androidx.loader.content.AsyncTaskLoader;

import android.content.Intent;
import android.content.SharedPreferences;
import android.graphics.Color;
import android.os.AsyncTask;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;

import java.io.BufferedReader;
import java.io.InputStreamReader;
import java.net.HttpURLConnection;
import java.net.URL;

public class MainActivity extends AppCompatActivity {
    private static final String apiurl="http://10.0.2.2:1602/
android_db_pool/login_maker.php";
    EditText t1,t2;
    TextView tv;
    @Override
    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        checklogoutmsg(tv);
    }

    public void login_process(View view){
        t1=(EditText) findViewById(R.id.t1);
        t2=(EditText) findViewById(R.id.t2);
        tv=(TextView) findViewById(R.id.tv);

        String qry="?t1="+t1.getText().toString().trim()+"&t2="
        +t2.getText().toString().trim();
        class dbprocess extends AsyncTask<String,Void,String> {
            @Override
```

```
            protected void onPostExecute(String data) {
                if (data.equals("found")) {
                    SharedPreferences sp = getSharedPreferences(
        "credentials", MODE_PRIVATE);
                    SharedPreferences.Editor editor = sp.edit();
                    editor.putString("uname", t1.getText().
        toString());
                    editor.commit();
                    startActivity(new Intent
        (getApplicationContext(), dashboard.class));
                } else {
                    t1.setText("");
                    t2.setText("");
                    tv.setTextColor(Color.parseColor("#8B0000"));
                    tv.setText(data);
                }
            }


            @Override
            protected String doInBackground(String... params) {
                String furl=params[0];
                try{
                    URL url=new URL(furl);
                   HttpURLConnection conn=(HttpURLConnection)url.
        openConnection();
                    BufferedReader br=new
        BufferedReader(new InputStreamReader((conn.
        getInputStream())));

                    return br.readLine();
                }catch(Exception e){
                    return e.getMessage();
                }
            }
        }

        dbprocess obj=new dbprocess();
        obj.execute(apiurl+qry);

    }

    public void checklogoutmsg(View view){
```

```
        tv=(TextView)findViewById(R.id.tv);

        SharedPreferences sp=getSharedPreferences("credentials",
        MODE_PRIVATE);
        if(sp.contains("msg")){
            tv.setText(sp.getString("msg", ""));
            SharedPreferences.Editor ed=sp.edit();
            ed.remove("msg");
            ed.commit();
        }

    }
}

package com.example.loginlogout;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;

public class dashboard extends AppCompatActivity
        implements View.OnClickListener {
  TextView tv;

    @Override
    protected void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_dashboard);
        Button button=findViewById(R.id.attendance);

        button.setOnClickListener(this);

        tv=(TextView)findViewById(R.id.tv);

        SharedPreferences sp=getSharedPreferences
        ("credentials",MODE_PRIVATE);
        if(sp.contains("uname")) {
```

```
            tv.setText(sp.getString("uname", ""));
        }
    }

    public void logout_process(View view)
    {
        SharedPreferences sp=getSharedPreferences
        ("credentials",MODE_PRIVATE);
        if(sp.contains("uname"))
        {
            SharedPreferences.Editor editor=sp.edit();
            editor.remove("uname");

            editor.putString("msg","Logged out Successfully");
            editor.commit();
            startActivity(new Intent(getApplicationContext(),
        MainActivity.class));
        }

    }

    public void Attendance(View view) {
        Intent intent=new Intent(this,Attendance.class);
        startActivity(intent);
    }

    @Override
    public void onClick(View v) {
        Intent intent=new Intent(this,Attendance.class);
        startActivity(intent);
    }
}
```

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.appcompat.widget.LinearLayoutCompat xmlns:
android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".MainActivity">
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="100dp"
    android:layout_marginLeft="5dp"
    android:layout_marginRight="5dp"
    android:orientation="horizontal">

    <TextView
        android:layout_width="119dp"
        android:layout_height="34dp"
        android:text="Username"
        android:textColor="#009688"
        android:textSize="20dp" />

    <EditText
        android:id="@+id/t1"
        android:layout_width="335dp"
        android:layout_height="wrap_content" />

</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="50dp"
    android:layout_marginLeft="5dp"
    android:layout_marginRight="5dp"
    android:orientation="horizontal">

    <TextView
        android:layout_width="119dp"
        android:layout_height="34dp"
        android:textColor="#009688"
        android:text="Password"
        android:textSize="20dp" />

    <EditText
        android:id="@+id/t2"
        android:layout_width="335dp"
        android:layout_height="wrap_content" />
```

```
    </LinearLayout>

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:layout_marginTop="40dp"
        android:background="#009688"
        android:text="Login"
        android:textColor="#FFF"
        android:textSize="20dp"
        android:onClick="login_process"
        />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="20dp"
        android:layout_marginTop="40dp"
        android:layout_gravity="center"
        android:id="@+id/tv"
        />

</androidx.appcompat.widget.LinearLayoutCompat>
```

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.appcompat.widget.LinearLayoutCompat xmlns:
android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".dashboard">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="100dp"
        android:textAlignment="center"
        android:textSize="40dp"
        android:text="Welcome"
        android:id="@+id/tv"
```

```
        />
    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:layout_marginTop="40dp"
        android:text="Attendance"
        android:textSize="20dp"
        android:background="#0000FF"
        android:onClick="Attendance"
        android:id="@+id/attendance" />
    <Button
        android:layout_width="120dp"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:layout_marginTop="40dp"
        android:background="#009688"
        android:text="Logout"
        android:textColor="#FFF"
        android:textSize="20dp"
        android:onClick="logout_process"
        />

</androidx.appcompat.widget.LinearLayoutCompat>
```

6. PARTIAL RESULTS

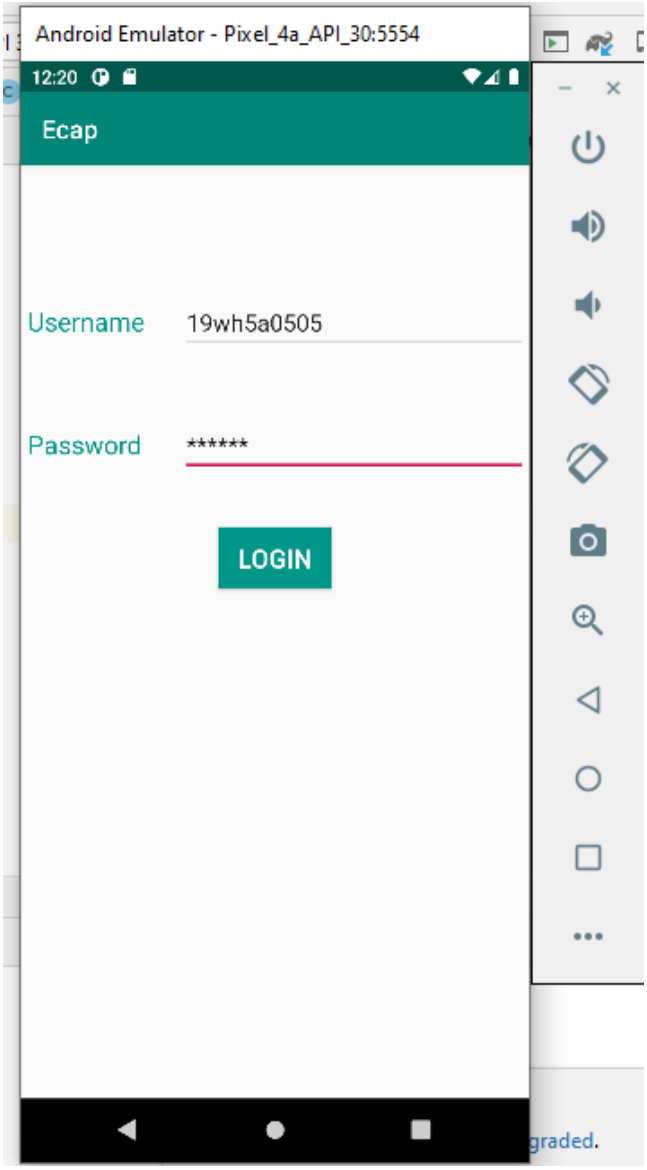

Figure 6: Student Login Page

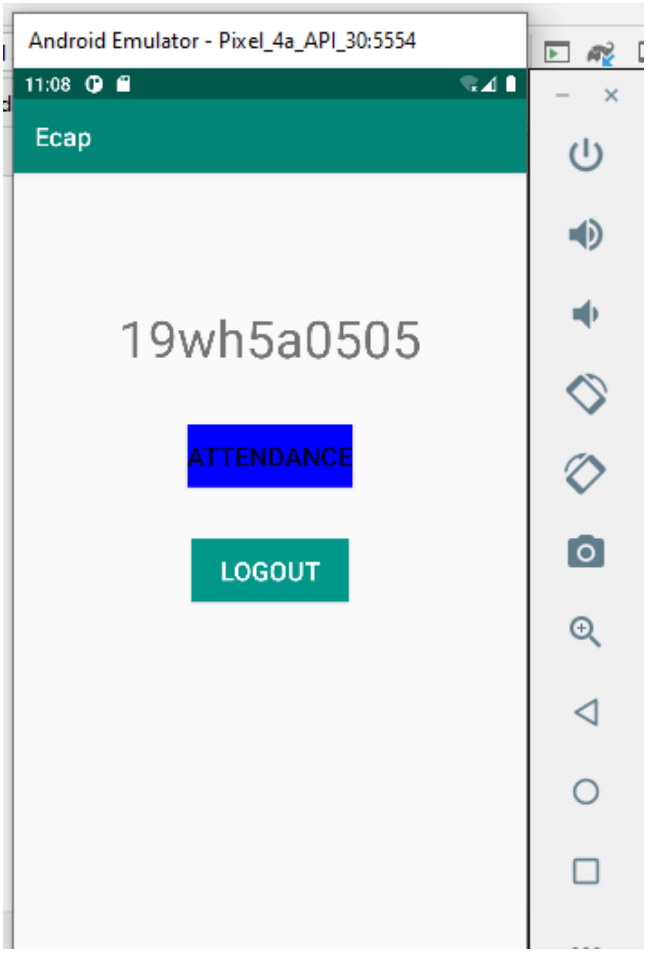

Figure 7: Selecting Attendance or Logout

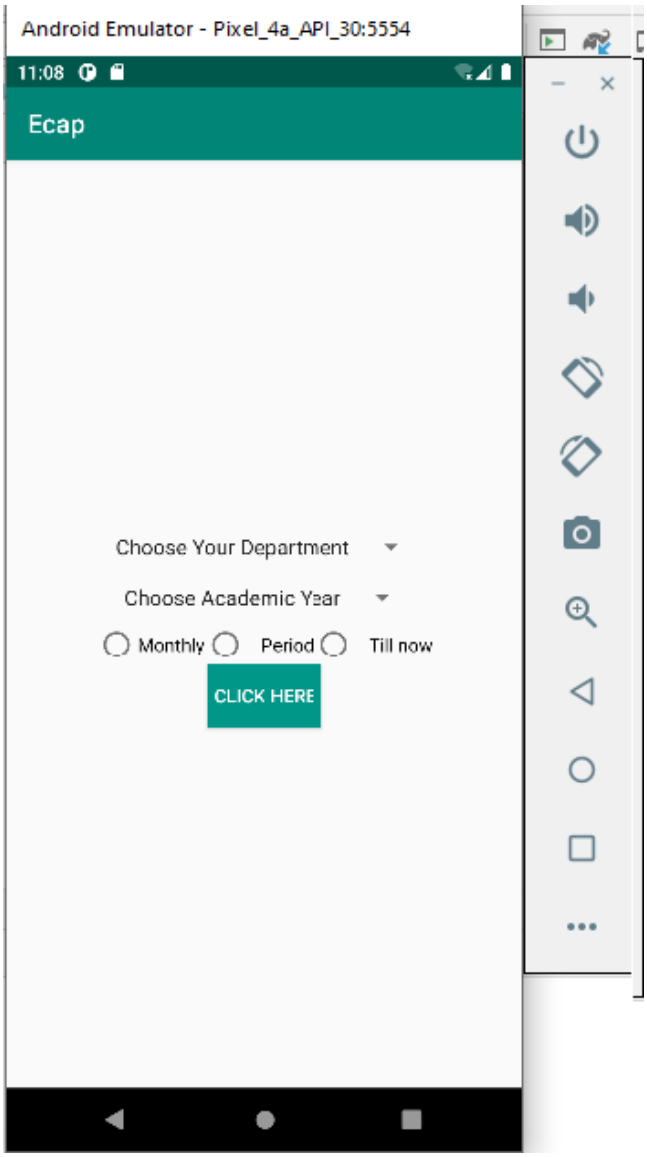

Figure 8: Attendance Page

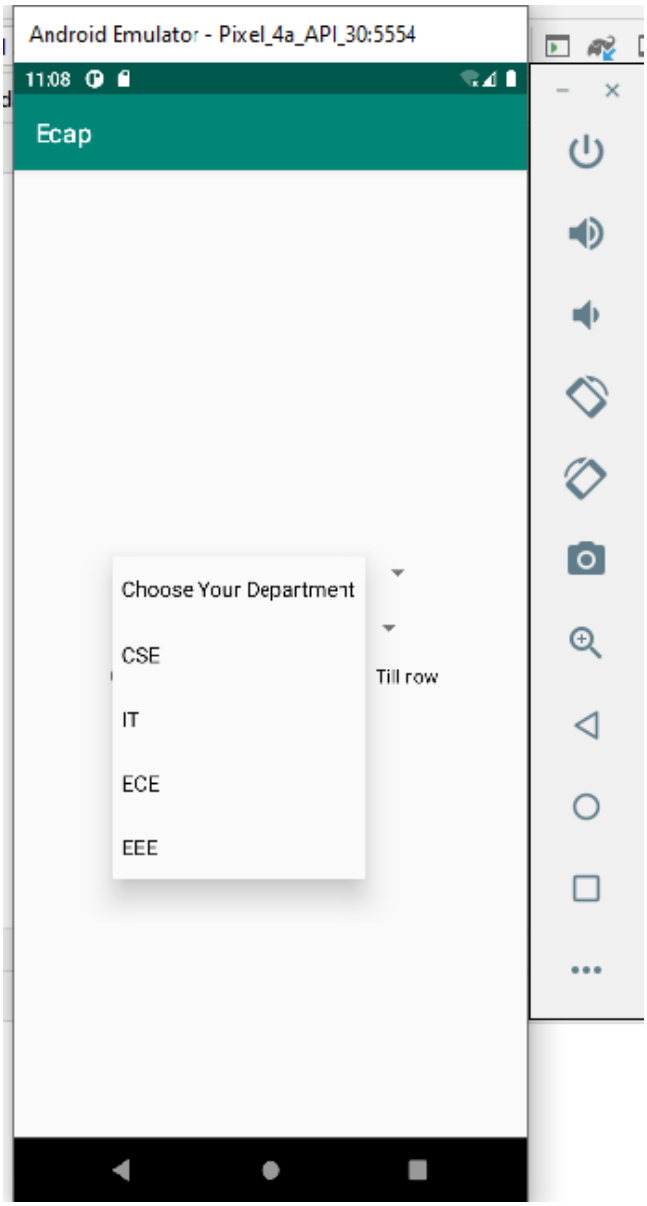

Figure 9: Selecting Department

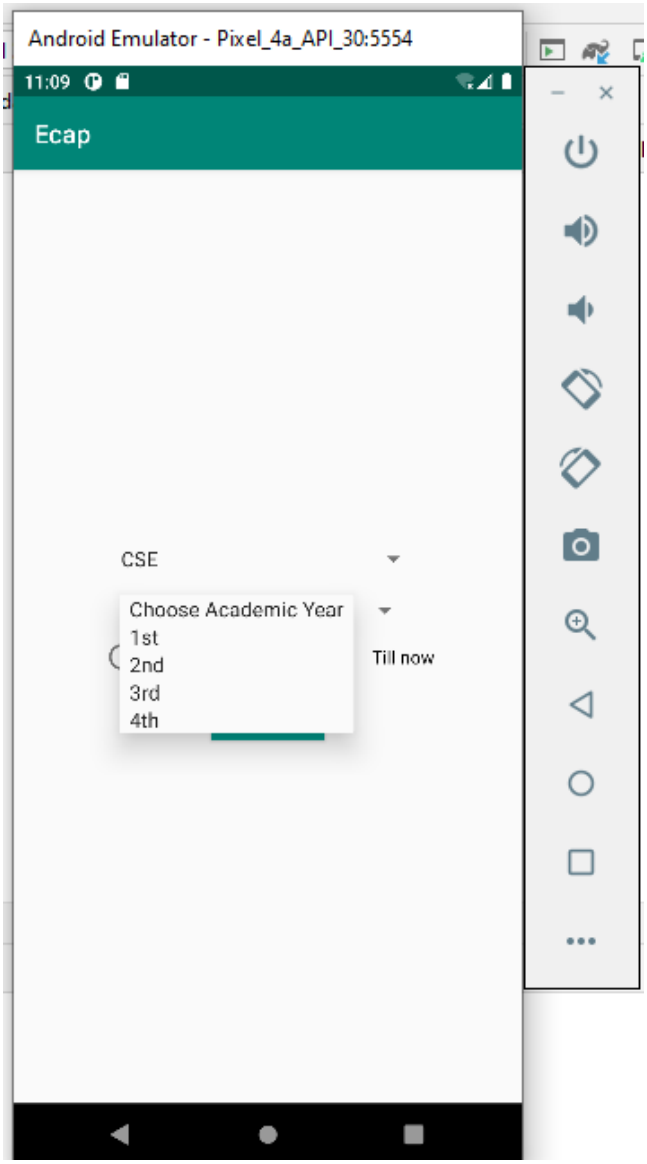

Figure 10: Selecting Year

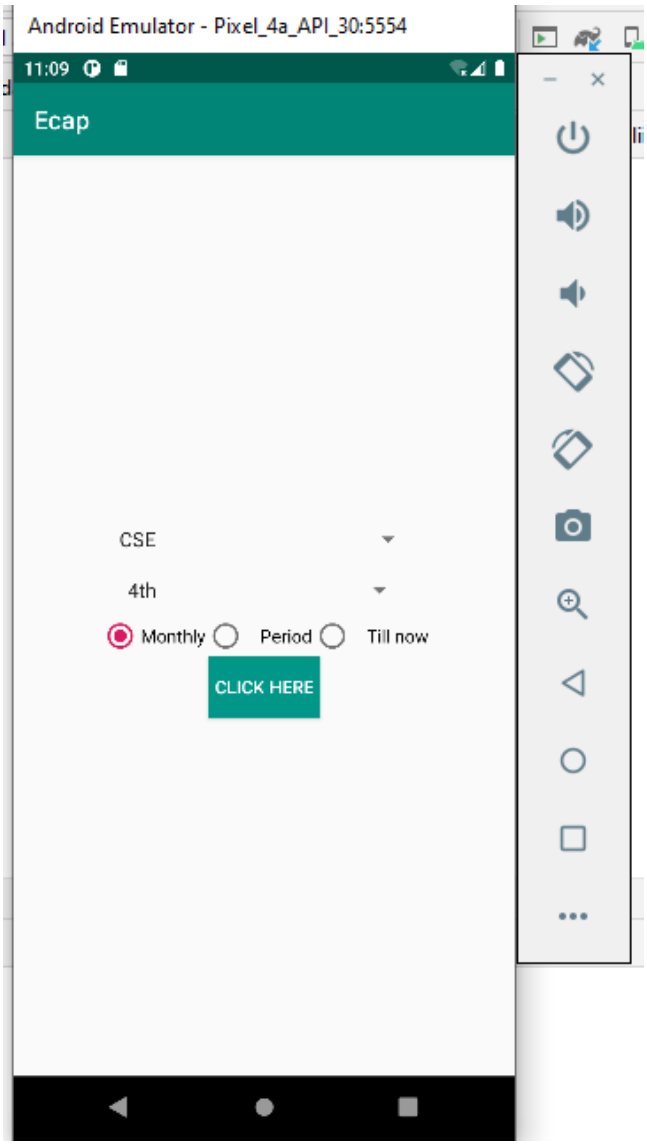

Figure 11: Selecting Type

7. PLAN FOR STAGE-II

- Completing all the services for Student, Faculty, Admin and Librarian.
- Design User Interface

8. REFERENCES

- Shilpi, Taneja., Goel, Anita. (2015). Mobile Applications in Educational Institutions. Computational Intelligence Communication Technology (CICT), 2015 IEEE International Conference on. IEEE, 2015.
- Ankit Bansal 1,Ajit Rana 2,Akhil Bansod 3,Prafulla Baviskar 4, Mobile based campus Information Retrieval Android Application, in IJCSMC, Vol.4, Issue.3,March 2015
- Nikhlil Jadhav1 , Bhupesh Singh2 , Kunal Lunge3 , Gopi Mali 4 , Nilesh Patil, Android Application for College Management System, in IJESC Volume 6 Issue No. 12 , 2016.