

# ATTENDANCE TRACKER

A project report submitted for  
**Android Apps Development Lab (Semester VII)**

by

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(sign with date)



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## APPROVAL SHEET

### Project Report Approval

This project report entitled as ATTENDANCE TRACKER by **Orvell Ferreira (8671), Clint Ferreira (8670), Parva Juthani (8674)** is approved as project for **Android Apps Development Lab** in Fourth year Engineering (Sem - VII), Information Technology.

Examiners

1. \_\_\_\_\_
2. \_\_\_\_\_

Date:

Place: Mumbai

## **ABSTRACT**

Successful industries, schools, universities begin by engaging students and making sure that they will come regularly so the attendance rate become very important. The attendance is important because students are more likely to succeed in academics when they attend class consistently. It's difficult for the lecturer to build students' skills and progress if a large number of students are frequently absent. Marking attendance in the class meeting session and recording the marks of the students are the prime tasks of the subject handlers, since marking the attendance can regulate the students to attend the classes. Moreover, it verifies number of students present in the conducted classes. The purpose of recording the marks is to analyse the performance of the students in terms of curricular activities. Earlier, the tasks of marking attendance and recording the marks are handled manually by pen and paper method. This method consumes more time and adds more workload to the subject handlers and sometimes the data may prone to error. To avoid these problems, this paper presents a mobile application for student attendance and mark management system. This application is mainly designed for the faculties who maintain attendance and marks regularly. Using this system, the subject handlers, staffs or the authorities can verify the number of students present or absent in the class meeting sessions. It also allows the faculty to send an SMS intimation to students of their attendance and alerts them if they are a defaulter.

# CODE & SCREENSHOT

## (All .java and .xml files)

### Java Files

#### MainActivity.java

```
package com.android.attendance.activity;

import com.example.androidattendancesystem.R;

import android.os.Bundle;
import android.app.Activity;
import android.content.Intent;
import android.view.Menu;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;

public class MainActivity extends Activity {

    Button start;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        start =(Button)findViewById(R.id.buttonstart);
        start.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View v) {
                // TODO Auto-generated method stub

                Intent intent =new Intent(MainActivity.this,LoginActivity.class);
                startActivity(intent);
            }
        });

    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        // Inflate the menu; this adds items to the action bar if it is present.
        getMenuInflater().inflate(R.menu.main, menu);
        return true;
    }

}
```

```
}
```

#### AddAttendanceSessionActivity.java

```
package com.android.attendance.activity;

import java.util.ArrayList;
import java.util.Calendar;

import com.android.attendance.bean.AttendanceBean;
import com.android.attendance.bean.AttendanceSessionBean;
import com.android.attendance.bean.FacultyBean;
import com.android.attendance.bean.StudentBean;
import com.android.attendance.context.ApplicationContext;
import com.android.attendance.db.DBAdapter;
import com.example.androidattendancesystem.R;

import android.app.Activity;
import android.app.DatePickerDialog;
import android.app.Dialog;
import android.content.Intent;
import android.graphics.Color;
import android.os.Bundle;
import android.text.TextUtils;
import android.view.Menu;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.DatePicker;
import android.widget.EditText;
import android.widget.ImageButton;
import android.widget.Spinner;
import android.widget.TextView;
import android.widget.Toast;

public class AddAttendanceSessionActivity<AddAttendanceActivity> extends Activity {

    private ImageButton date;
    private Calendar cal;
    private int day;
    private int month;
    private int dyear;
    private EditText dateEditText;
    Button submit;
    Button viewAttendance;
    Button viewTotalAttendance;
    Spinner spinnerbranch,spinneryear,spinnerSubject;
```

```
String branch = "cse";
String year = "SE";
String subject = "SC";
```

```
private String[] branchString = new String[] { "CSE","IT","EE","PE"};
private String[] yearString = new String[] { "FE","SE","TE","BE"};
private String[] subjectSEString = new String[] { "SC","MC"};
private String[] subjectTEString = new String[] { "GT","CN"};
private String[] subjectBESString = new String[] { "DS","NS"};
```

```
private String[] subjectFinal = new String[] { "M3","DS","M4","CN","M5","NS"};
AttendanceSessionBean attendanceSessionBean;
```

```
@Override
```

```
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.add_attendance);
```

```
    //Assume subject will be SE
    //subjectFinal = subjectSEString;
```

```
    spinnerbranch=(Spinner)findViewById(R.id.spinner1);
    spinneryear=(Spinner)findViewById(R.id.spinneryear);
    spinnerSubject=(Spinner)findViewById(R.id.spinnerSE);
```

```
    ArrayAdapter<String> adapter_branch = new
    ArrayAdapter<String>(this,android.R.layout.simple_spinner_item, branchString);
```

```
    adapter_branch.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
```

```
    spinnerbranch.setAdapter(adapter_branch);
    spinnerbranch.setOnItemClickListener(new OnItemSelectedListener() {
        @Override
        public void onItemClick(AdapterView<?> arg0, View view,
            int arg2, long arg3) {
            // TODO Auto-generated method stub
            ((TextView) arg0.getChildAt(0)).setTextColor(Color.BLACK);
            branch =(String) spinnerbranch.getSelectedItem();
        }
    });
```

```
    @Override
    public void onNothingSelected(AdapterView<?> arg0) {
        // TODO Auto-generated method stub
    }
});
```

```
    ///.....spinner2
    ArrayAdapter<String> adapter_year = new ArrayAdapter<String>(this,
    android.R.layout.simple_spinner_item, yearString);
    adapter_year.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
    spinneryear.setAdapter(adapter_year);
    spinneryear.setOnItemClickListener(new OnItemSelectedListener() {
        @Override
```

```

    public void onItemSelected(AdapterView<?> arg0, View view,
        int arg2, long arg3) {
        // TODO Auto-generated method stub
        ((TextView) arg0.getChildAt(0)).setTextColor(Color.BLACK);
        year =(String) spinneryear.getSelectedItem();
        Toast.makeText(getApplicationContext(), "year:"+year,
Toast.LENGTH_SHORT).show();

        /*if(year.equalsIgnoreCase("se"))
        {
            subjectFinal = subjectSEString;
        }
        else if(year.equalsIgnoreCase("te"))
        {
            subjectFinal = subjectTEString;
        }
        else if(year.equalsIgnoreCase("be"))
        {
            subjectFinal = subjectBESString;
        }
        */

    }

    @Override
    public void onNothingSelected(AdapterView<?> arg0) {
        // TODO Auto-generated method stub
    }
});

    ArrayAdapter<String> adapter_subject = new ArrayAdapter<String>(this,
android.R.layout.simple_spinner_item, subjectFinal);

    adapter_subject.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
    spinnerSubject.setAdapter(adapter_subject);
    spinnerSubject.setOnItemClickListener(new OnItemSelectedListener() {
        @Override
        public void onItemSelected(AdapterView<?> arg0, View view,
            int arg2, long arg3) {
            // TODO Auto-generated method stub
            ((TextView) arg0.getChildAt(0)).setTextColor(Color.BLACK);
            subject =(String) spinnerSubject.getSelectedItem();

        }

        @Override
        public void onNothingSelected(AdapterView<?> arg0) {
            // TODO Auto-generated method stub
        }
    });

    date = (ImageButton) findViewById(R.id.DateImageButton);

```

```

cal = Calendar.getInstance();
day = cal.get(Calendar.DAY_OF_MONTH);
month = cal.get(Calendar.MONTH);
dyear = cal.get(Calendar.YEAR);
dateEditText = (EditText) findViewById(R.id.DateEditText);
date.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        showDialog(0);

    }
});

submit=(Button)findViewById(R.id.buttonsubmit);
submit.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {

        AttendanceSessionBean attendanceSessionBean = new AttendanceSessionBean();
        FacultyBean
bean=((ApplicationContext)AddAttendanceSessionActivity.this(getApplicationContext()).getFacultyBean());

        attendanceSessionBean.setAttendance_session_faculty_id(bean.getFaculty_id());
        attendanceSessionBean.setAttendance_session_department(branch);
        attendanceSessionBean.setAttendance_session_class(year);
        attendanceSessionBean.setAttendance_session_date(dateEditText.getText().toString());
        attendanceSessionBean.setAttendance_session_subject(subject);

        DBAdapter dbAdapter = new DBAdapter(AddAttendanceSessionActivity.this);
        int sessionId= dbAdapter.addAttendanceSession(attendanceSessionBean);

        ArrayList<StudentBean>
studentBeanList=dbAdapter.getAllStudentByBranchYear(branch, year);

        ((ApplicationContext)AddAttendanceSessionActivity.this(getApplicationContext()).setStudentBeanList(studentBeanList);

        Intent intent = new
Intent(AddAttendanceSessionActivity.this,AddAttendanceActivity.class);
        intent.putExtra("sessionId", sessionId);
        startActivity(intent);
    }
});

viewAttendance=(Button)findViewById(R.id.viewAttendancebutton);
viewAttendance.setOnClickListener(new OnClickListener() {

    @Override

```



```

public void onClick(View arg0) {

    AttendanceSessionBean attendanceSessionBean = new AttendanceSessionBean();
    FacultyBean
bean=((ApplicationContext)AddAttendanceSessionActivity.this(getApplicationContext()).getFac
ultyBean());

    attendanceSessionBean.setAttendance_session_faculty_id(bean.getFaculty_id());
    attendanceSessionBean.setAttendance_session_department(branch);
    attendanceSessionBean.setAttendance_session_class(year);
    attendanceSessionBean.setAttendance_session_date(dateEditText.getText().toString());
    attendanceSessionBean.setAttendance_session_subject(subject);

    DBAdapter dbAdapter = new DBAdapter(AddAttendanceSessionActivity.this);

    ArrayList<AttendanceBean> attendanceBeanList =
dbAdapter.getAttendanceBySessionID(attendanceSessionBean);

((ApplicationContext)AddAttendanceSessionActivity.this(getApplicationContext()).setAttendanc
eBeanList(attendanceBeanList);

    Intent intent = new
Intent(AddAttendanceSessionActivity.this,ViewAttendanceByFacultyActivity.class);
    startActivity(intent);

}
});

viewTotalAttendance=(Button)findViewById(R.id.viewTotalAttendanceButton);
viewTotalAttendance.setOnClickListener(new OnClickListener() {

@Override
public void onClick(View arg0) {
    AttendanceSessionBean attendanceSessionBean = new AttendanceSessionBean();
    FacultyBean
bean=((ApplicationContext)AddAttendanceSessionActivity.this(getApplicationContext()).getFac
ultyBean());

    attendanceSessionBean.setAttendance_session_faculty_id(bean.getFaculty_id());
    attendanceSessionBean.setAttendance_session_department(branch);
    attendanceSessionBean.setAttendance_session_class(year);
    attendanceSessionBean.setAttendance_session_subject(subject);

    DBAdapter dbAdapter = new DBAdapter(AddAttendanceSessionActivity.this);

    ArrayList<AttendanceBean> attendanceBeanList =
dbAdapter.getTotalAttendanceBySessionID(attendanceSessionBean);

((ApplicationContext)AddAttendanceSessionActivity.this(getApplicationContext()).setAttendanc
eBeanList(attendanceBeanList);

    Intent intent = new

```

```

Intent(AddAttendanceSessionActivity.this,ViewAttendanceByFacultyActivity.class);
        startActivity(intent);

    }
    });
}
@Override
@Deprecated
protected Dialog onCreateDialog(int id) {
    return new DatePickerDialog(this, datePickerListener, dyear, month, day);
}
private DatePickerDialog.OnDateSetListener datePickerListener = new
DatePickerDialog.OnDateSetListener() {
    public void onDateSet(DatePicker view, int selectedYear,
        int selectedMonth, int selectedDay) {
        dateEditText.setText(selectedDay + " / " + (selectedMonth + 1) + " / "
            + selectedYear);
    }
};
}

```

#### AddAttendanceActivity.java

```

package com.android.attendance.activity;

import java.util.ArrayList;

import android.app.Activity;
import android.app.Dialog;
import android.graphics.Color;
import android.os.Bundle;
import android.util.Log;
import android.view.Menu;
import android.view.View;
import android.view.View.OnClickListener;
import android.view.Window;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.ListView;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.RadioGroup.OnCheckedChangeListener;

import com.android.attendance.bean.AttendanceBean;
import com.android.attendance.bean.StudentBean;
import com.android.attendance.context.ApplicationContext;
import com.android.attendance.db.DBAdapter;
import com.example.androidattendancesystem.R;

```

```

public class AddAttendanceActivity extends Activity {

    ArrayList<StudentBean> studentBeanList;
    private ListView listView ;
    private ArrayAdapter<String> listAdapter;
    int sessionId=0;
    String status="P";
    Button attendanceSubmit;
    DBAdapter dbAdapter = new DBAdapter(this);
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.__listview__main);

        sessionId = getIntent().getExtras().getInt("sessionId");

        listView=(ListView)findViewById(R.id.listview);
        final ArrayList<String> studentList = new ArrayList<String>();

studentBeanList=((ApplicationContext)AddAttendanceActivity.this.getApplicationContext()).get
StudentBeanList();

        for(StudentBean studentBean : studentBeanList)
        {
            String users =
studentBean.getStudent_firstname()+" "+studentBean.getStudent_lastname();

            studentList.add(users);
            Log.d("users: ", users);

        }

        listAdapter = new ArrayAdapter<String>(this, R.layout.add__student__attendance, R.id.labelA,
studentList);
        listView.setAdapter( listAdapter );

        listView.setOnItemClickListener(new OnItemClickListener() {

            @Override
            public void onItemClick(AdapterView<?> arg0, View arg1, int arg2,
                long arg3) {

                arg0.getChildAt(arg2).setBackgroundColor(Color.TRANSPARENT);
                arg1.setBackgroundColor(334455);
                final StudentBean studentBean = studentBeanList.get(arg2);
                final Dialog dialog = new Dialog(AddAttendanceActivity.this);
                dialog.requestWindowFeature(Window.FEATURE_NO_TITLE);//.....
                dialog.setContentView(R.layout.test_layout);
            }
        });
    }
}

```

```

// set title and cancelable
RadioGroup radioGroup;
RadioButton present;
RadioButton absent;
radioGroup = (RadioGroup) dialog.findViewById(R.id.radioGroup);
present=(RadioButton)dialog.findViewById(R.id.PresentradioButton);
absent=(RadioButton)dialog.findViewById(R.id.AbsentradioButton);
radioGroup.setOnCheckedChangeListener(new OnCheckedChangeListener() {

    @Override
    public void onCheckedChanged(RadioGroup group, int checkedId) {
        if(checkedId == R.id.PresentradioButton) {

            status = "P";
        } else if(checkedId == R.id.AbsentradioButton) {

            status = "A ";
        } else {
        }
    }
});

attendanceSubmit = (Button)dialog.findViewById(R.id.attendanceSubmitButton);
attendanceSubmit.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        AttendanceBean attendanceBean = new AttendanceBean();

        attendanceBean.setAttendance_session_id(sessionId);
        attendanceBean.setAttendance_student_id(studentBean.getStudent_id());
        attendanceBean.setAttendance_status(status);

        DBAdapter dbAdapter = new DBAdapter(AddAttendanceActivity.this);
        dbAdapter.addNewAttendance(attendanceBean);

        dialog.dismiss();

    }
});

dialog.setCancelable(true);
dialog.show();
});
}

```

```

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        // Inflate the menu; this adds items to the action bar if it is present.
        getMenuInflater().inflate(R.menu.main, menu);
        return true;
    }
}

```

#### AddFacultyActivity.java

```

package com.android.attendance.activity;

import com.android.attendance.bean.FacultyBean;
import com.android.attendance.db.DBAdapter;
import com.example.androidattendancesystem.R;

import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
import android.view.Menu;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Spinner;
import android.widget.Toast;

public class AddFacultyActivity extends Activity {

    Button registerButton;
    Button cancelButton;
    EditText textFirstName;
    EditText textLastName;
    EditText textemail;
    EditText textcontact;
    EditText textaddress;
    EditText textusername;
    EditText textpassword;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.addfaculty);

        textFirstName=(EditText)findViewById(R.id.editTextFirstName);
        textLastName=(EditText)findViewById(R.id.editTextLastName);
        textcontact=(EditText)findViewById(R.id.editTextPhone);
        textaddress=(EditText)findViewById(R.id.editTextaddr);
    }
}

```

```

textusername=(EditText)findViewById(R.id.editTextUserName);
textpassword=(EditText)findViewById(R.id.editTextPassword);
registerButton=(Button)findViewById(R.id.RegisterButton);
cancelButton=(Button)findViewById(R.id.Cancel_Button);
registerButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View v) {
        // TODO Auto-generated method stub

        String first_name = textFirstName.getText().toString();
        String last_name = textLastName.getText().toString();
        String phone_no = textcontact.getText().toString();
        String address = textaddress.getText().toString();
        String userName = textusername.getText().toString();
        String passWord = textpassword.getText().toString();

        if (TextUtils.isEmpty(first_name)) {
            textFirstName.setError("Please Enter Firstname");
        }
        else if (TextUtils.isEmpty(last_name)) {
            textLastName.setError("Please Enter Lastname");
        }
        else if (TextUtils.isEmpty(phone_no)) {
            textcontact.setError("please Enter Mobile Number");
        }

        else if (TextUtils.isEmpty(address)) {
            textaddress.setError("Enter Address");
        }
        else if (TextUtils.isEmpty(userName)) {
            textcontact.setError("Please Enter Username");
        }
        else if (TextUtils.isEmpty(passWord)) {
            textaddress.setError("Enter Password");
        }
        else {

            FacultyBean facultyBean = new FacultyBean();
            facultyBean.setFaculty_firstname(first_name);
            facultyBean.setFaculty_lastname(last_name);
            facultyBean.setFaculty_mobilenumber(phone_no);
            facultyBean.setFaculty_address(address);
            facultyBean.setFaculty_username(userName);
            facultyBean.setFaculty_password(passWord);

            DBAdapter dbAdapter = new DBAdapter(AddFacultyActivity.this);
            dbAdapter.addFaculty(facultyBean);

            Intent intent =new Intent(AddFacultyActivity.this,MenuActivity.class);
            startActivity(intent);
            Toast.makeText(getApplicationContext(), "Faculty Added Successfully",

```

```

Toast.LENGTH_SHORT).show();

    }

}
});

cancelButton.setOnClickListener(new OnClickListener() {
    public void onClick(View v) {
        Intent intent =new Intent(AddFacultyActivity.this,MenuActivity.class);
        startActivity(intent);
    }
});

}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.main, menu);
    return true;
}

}

```

#### AddStudentActivity.java

```

package com.android.attendance.activity;

import com.android.attendance.bean.StudentBean;
import com.android.attendance.db.DBAdapter;
import com.example.androidattendancesystem.R;

import android.app.Activity;
import android.content.Intent;
import android.graphics.Color;
import android.os.Bundle;
import android.text.TextUtils;
import android.view.Menu;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Spinner;
import android.widget.TextView;
import android.widget.Toast;

public class AddStudentActivity extends Activity {

```

```

Button registerButton;
Button cancelButton;
EditText textFirstName;
EditText textLastName;

EditText textcontact;
EditText textaddress;
Spinner spinnerbranch,spinneryear;
String userrole,branch,year;
private final String[] branchString = new String[] { "CSE","IT","EE","PE"};
private final String[] yearString = new String[] {"FE","SE","TE","BE"};

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.addstudent);

    spinnerbranch=(Spinner)findViewById(R.id.spinnerdept);
    spinneryear=(Spinner)findViewById(R.id.spinneryear);
    textFirstName=(EditText)findViewById(R.id.editTextFirstName);
    textLastName=(EditText)findViewById(R.id.editTextLastName);
    textcontact=(EditText)findViewById(R.id.editTextPhone);
    textaddress=(EditText)findViewById(R.id.editTextaddr);
    registerButton=(Button)findViewById(R.id.RegisterButton);
    cancelButton=(Button)findViewById(R.id.Cancel_Button);
    spinnerbranch.setOnItemClickListener(new OnItemSelectedListener() {
        @Override
        public void onItemSelected(AdapterView<?> arg0, View view,
            int arg2, long arg3) {
            // TODO Auto-generated method stub
            ((TextView) arg0.getChildAt(0)).setTextColor(Color.BLACK);
            ((TextView) arg0.getChildAt(0)).setTextSize(20);
            branch =(String) spinnerbranch.getSelectedItem();

        }

        @Override
        public void onNothingSelected(AdapterView<?> arg0) {
            // TODO Auto-generated method stub
        }
    });

    ArrayAdapter<String> adapter_branch = new ArrayAdapter<String>(this,
        android.R.layout.simple_spinner_item, branchString);
    adapter_branch
        .setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
    spinnerbranch.setAdapter(adapter_branch);

    ///.....spinner2

    spinneryear.setOnItemClickListener(new OnItemSelectedListener() {
        @Override

```



```

public void onItemSelected(AdapterView<?> arg0, View view,
    int arg2, long arg3) {
    // TODO Auto-generated method stub
    ((TextView) arg0.getChildAt(0)).setTextColor(Color.BLACK);

    year =(String) spinneryear.getSelectedItem();

}

@Override
public void onNothingSelected(AdapterView<?> arg0) {
    // TODO Auto-generated method stub
}
});

ArrayAdapter<String> adapter_year = new ArrayAdapter<String>(this,
    android.R.layout.simple_spinner_item, yearString);
adapter_year
.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
spinneryear.setAdapter(adapter_year);

registerButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View v) {
        // TODO Auto-generated method stub
        //.....validation
        String first_name = textFirstName.getText().toString();
        String last_name = textLastName.getText().toString();
        String phone_no = textcontact.getText().toString();
        String address = textaddress.getText().toString();

        if (TextUtils.isEmpty(first_name)) {
            textFirstName.setError("Please Enter Firstname");
        }

        else if (TextUtils.isEmpty(last_name)) {
            textLastName.setError("Please Enter Lastname");
        }
        else if (TextUtils.isEmpty(phone_no)) {
            textcontact.setError("Please Enter Contact Number");
        }

        else if (TextUtils.isEmpty(address)) {
            textaddress.setError("Enter Address");
        }
        else {

            StudentBean studentBean = new StudentBean();

```

```

        studentBean.setStudent_firstname(first_name);
        studentBean.setStudent_lastname(last_name);
        studentBean.setStudent_mobilenumber(phone_no);
        studentBean.setStudent_address(address);
        studentBean.setStudent_department(branch);
        studentBean.setStudent_class(year);

        DBAdapter dbAdapter= new DBAdapter(AddStudentActivity.this);
        dbAdapter.addStudent(studentBean);

        Intent intent =new Intent(AddStudentActivity.this,MenuActivity.class);
        startActivity(intent);
        Toast.makeText(getApplicationContext(), "Student Added Successfully",
        Toast.LENGTH_SHORT).show();

    }
}
});
cancelButton.setOnClickListener(new OnClickListener() {
    @Override
    public void onClick(View v)
    {
        Intent i = new Intent(AddStudentActivity.this, MenuActivity.class);
        startActivity(i);

    }

});
}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.main, menu);
    return true;
}
}

```

#### LoginActivity.java

```

package com.android.attendance.activity;

import android.app.Activity;
import android.content.Intent;
import android.graphics.Color;
import android.os.Bundle;
import android.text.TextUtils;
import android.view.Menu;
import android.view.View;

```

```

import android.view.View.OnClickListener;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Spinner;
import android.widget.TextView;
import android.widget.Toast;

import com.android.attendance.bean.FacultyBean;
import com.android.attendance.context.ApplicationContext;
import com.android.attendance.db.DBAdapter;
import com.example.androidattendancesystem.R;

public class LoginActivity extends Activity {

    Button login;
    EditText username,password;
    Spinner spinnerloginas;
    String userrole;
    private final String[] userRoleString = new String[] { "Admin", "Faculty"};

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.login);

        login =(Button)findViewById(R.id.buttonlogin);
        username=(EditText)findViewById(R.id.editTextusername);
        password=(EditText)findViewById(R.id.editTextpassword);
        spinnerloginas=(Spinner)findViewById(R.id.spinnerloginas);

        spinnerloginas.setOnItemClickListener(new OnItemClickListener() {
            @Override
            public void onItemClick(AdapterView<?> arg0, View view,
                int arg2, long arg3) {
                // TODO Auto-generated method stub
                ((TextView) arg0.getChildAt(0)).setTextColor(Color.RED);
                ((TextView) arg0.getChildAt(0)).setTextSize(25);
                userrole =(String) spinnerloginas.getSelectedItem();
            }

            @Override
            public void onNothingSelected(AdapterView<?> arg0) {
                // TODO Auto-generated method stub
            }
        });
    }

```

```

ArrayAdapter<String> adapter_role = new ArrayAdapter<String>(this,
    android.R.layout.simple_spinner_item, userRoleString);
adapter_role
.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
spinnerloginas.setAdapter(adapter_role);

login.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View v) {
        // TODO Auto-generated method stub

        if(userrole.equals("Admin"))
        {

            String user_name = username.getText().toString();
            String pass_word = password.getText().toString();

            if (TextUtils.isEmpty(user_name))
            {
                username.setError("Invalid User Name");
            }
            else if(TextUtils.isEmpty(pass_word))
            {
                password.setError("enter password");
            }
            else
            {
                if(user_name.equals("admin") & pass_word.equals("admin123")){
                    Intent intent =new Intent(LoginActivity.this,MenuActivity.class);
                    startActivity(intent);
                    Toast.makeText(getApplicationContext(), "Login successful",
Toast.LENGTH_SHORT).show();
                }else{
                    Toast.makeText(getApplicationContext(), "Login failed",
Toast.LENGTH_SHORT).show();
                }
            }
        }

        else
        {
            String user_name = username.getText().toString();
            String pass_word = password.getText().toString();

            if (TextUtils.isEmpty(user_name))
            {
                username.setError("Invalid User Name");
            }
            else if(TextUtils.isEmpty(pass_word))
            {

```

```

        password.setError("enter password");
    }
    DBAdapter dbAdapter = new DBAdapter(LoginActivity.this);
    FacultyBean facultyBean = dbAdapter.validateFaculty(user_name, pass_word);

    if(facultyBean!=null)
    {
        Intent intent = new Intent(LoginActivity.this,AddAttendanceSessionActivity.class);
        startActivity(intent);

        ((ApplicationContext)LoginActivity.this.getApplicationContext()).setFacultyBean(facultyBean);
        Toast.makeText(getApplicationContext(), "Login successful",
        Toast.LENGTH_SHORT).show();
    }
    else
    {
        Toast.makeText(getApplicationContext(), "Login failed",
        Toast.LENGTH_SHORT).show();
    }
}

}
});

}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.main, menu);
    return true;
}
}

```

#### MenuActivity.java

```

package com.android.attendance.activity;

import java.util.ArrayList;

import com.android.attendance.bean.AttendanceBean;
import com.android.attendance.bean.StudentBean;
import com.android.attendance.context.ApplicationContext;
import com.android.attendance.db.DBAdapter;
import com.example.androidattendancesystem.R;
import android.telephony.SmsManager;

```

```

import android.os.Bundle;
import android.app.Activity;
import android.content.Intent;
import android.util.Log;
import android.view.Menu;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.AdapterView;
import android.widget.Button;
import android.widget.ListView;
import android.widget.Toast;

import static android.content.ContentValues.TAG;

public class MenuActivity extends Activity {

    Button addStudent;
    Button addFaculty;
    Button viewStudent;
    Button viewFaculty;
    Button logout;
    Button attendancePerStudent;

    private ListView listView ;
    private ArrayAdapter<String> listAdapter;

    public void sendMessage(View view)
    {
        DBAdapter dbAdapter = new DBAdapter(this);
        final ArrayList<String> studentList = new ArrayList<String>();
        ArrayList<AttendanceBean> attendanceBeanList;

        ArrayList<StudentBean> studentBeanList;
        studentBeanList=dbAdapter.getAllStudentmobile();

        attendanceBeanList=((ApplicationContext)MenuActivity.this.getApplicationContext()).getAttendanceBeanList();

        try {
            ArrayList<String> arr = new ArrayList<String>();

            {
                String att= ""+ attendanceBean.getAttendance_session_id();
                att=att.trim();
                arr.add(att);
                //Log.d(TAG, "Attendance"+att);
            }
        }
    }
}

```

```

    }

    int i =0;

    for(StudentBean studentBean : studentBeanList)
    {
        String users = studentBean.getStudent_mobilenumber();

        studentList.add(users);
        String temp = arr.get(i);
        int flag=0;
        int number = Integer.parseInt(temp);
        if(number<5)
        {
            flag=1;
        }
        if(flag==1)
        {
            SmsManager smgr = SmsManager.getDefault();
            smgr.sendTextMessage(users,null,"Your attendance is "+temp+" You are a
DEFAULTER",null,null);
            Log.d(TAG, "sendMessage: "+"Your attendance is " + temp + " You are a
DEFAULTER");
        }
        else
        {
            SmsManager smgr = SmsManager.getDefault();
            smgr.sendTextMessage(users,null,"Your attendance is "+temp,null,null);
            Log.d(TAG, "sendMessage: "+"Your attendance is " + temp);
        }

        i++;

    }
    Toast.makeText(MenuActivity.this,"Message sent to all Students
Successfully",Toast.LENGTH_SHORT).show();

}
catch (Exception e)
{
    Toast.makeText(MenuActivity.this,"SMS Failed",Toast.LENGTH_SHORT).show();
}
}

```

```

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.menu);

    addStudent =(Button)findViewById(R.id.buttonaddstudent);
    addFaculty =(Button)findViewById(R.id.buttonaddfaculty);
    viewStudent =(Button)findViewById(R.id.buttonViewstudent);
    viewFaculty =(Button)findViewById(R.id.buttonviewfaculty);

    logout =(Button)findViewById(R.id.buttonlogout);

    addStudent.setOnClickListener(new OnClickListener() {

        @Override
        public void onClick(View v) {
            // TODO Auto-generated method stub

            Intent intent =new Intent(MenuActivity.this,AddStudentActivity.class);
            startActivity(intent);
        }
    });

    addFaculty.setOnClickListener(new OnClickListener() {

        @Override
        public void onClick(View v) {
            // TODO Auto-generated method stub

            Intent intent =new Intent(MenuActivity.this,AddFacultyActivity.class);
            startActivity(intent);
        }
    });

    viewFaculty.setOnClickListener(new OnClickListener() {

        @Override
        public void onClick(View v) {
            // TODO Auto-generated method stub

            Intent intent =new Intent(MenuActivity.this,ViewFacultyActivity.class);
            startActivity(intent);
        }
    });

    viewStudent.setOnClickListener(new OnClickListener() {

        @Override
        public void onClick(View v) {
            // TODO Auto-generated method stub

```



```

        Intent intent =new Intent(MenuActivity.this,ViewStudentActivity.class);
        startActivity(intent);
    }
});
logout.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View v) {
        // TODO Auto-generated method stub

        Intent intent =new Intent(MenuActivity.this,MainActivity.class);
        intent.addFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
        startActivity(intent);
    }
});
attendancePerStudent=(Button)findViewById(R.id.attendancePerStudentButton);
attendancePerStudent.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {

        DBAdapter dbAdapter = new DBAdapter(MenuActivity.this);
        ArrayList<AttendanceBean>
attendanceBeanList=dbAdapter.getAllAttendanceByStudent();

((ApplicationContext)MenuActivity.this.getApplicationContext()).setAttendanceBeanList(attendanceBeanList);

        Intent intent = new Intent(MenuActivity.this,ViewAttendancePerStudentActivity.class);
        startActivity(intent);

    }
});

}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.main, menu);
    return true;
}
}

```

TestActivity.java

```

package com.android.attendance.activity;

import java.util.ArrayList;

import com.android.attendance.bean.AttendanceBean;
import com.android.attendance.bean.AttendanceSessionBean;
import com.android.attendance.bean.FacultyBean;
import com.android.attendance.bean.StudentBean;
import com.android.attendance.db.DBAdapter;
import com.example.androidattendancesystem.R;

import android.os.Bundle;
import android.app.Activity;
import android.util.Log;
import android.view.Menu;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;

public class TestActivity extends Activity {

    Button submit;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.test_main);

        submit=(Button)findViewById(R.id.button1);

        submit.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                DBAdapter dbAdapter = new DBAdapter(TestActivity.this);
                AttendanceSessionBean attendanceSessionBean = new AttendanceSessionBean();

                attendanceSessionBean.setAttendance_session_faculty_id(1);
                attendanceSessionBean.setAttendance_session_department("CSE");
                attendanceSessionBean.setAttendance_session_class("BE");
                attendanceSessionBean.setAttendance_session_date("06/04/2016");
                attendanceSessionBean.setAttendance_session_subject("DataBase");

                dbAdapter.addAttendanceSession(attendanceSessionBean);
                Log.d("add", "inserted");

                /*AttendanceSessionBean bean = new AttendanceSessionBean();
                bean=dbAdapter.getAttendance();

```

```
Log.d("AsessionId", bean.getAttendance_session_id()+"");
Log.d("fId", bean.getAttendance_session_faculty_id()+"");
Log.d("class", bean.getAttendance_session_class());
Log.d("dept", bean.getAttendance_session_department());
Log.d("fid", bean.getAttendance_session_faculty_id()+"");
Log.d("status", bean.getAttendance_session_class());
```

```
FacultyBean facultyBean = new FacultyBean();
```

```
facultyBean.setFaculty_firstname("Abc");
facultyBean.setFaculty_lastname("a");
facultyBean.setFaculty_mobilenumber("9898989898");
facultyBean.setFaculty_address("pune");
facultyBean.setFaculty_username("a");
facultyBean.setFaculty_password("Abc123");
```

```
dbAdapter.addFaculty(facultyBean);
```

```
StudentBean studentBean = new StudentBean();
```

```
studentBean.setStudent_firstname("b");
studentBean.setStudent_lastname("b");
studentBean.setStudent_mobilenumber("8989898988");
studentBean.setStudent_address("pune");
studentBean.setStudent_department("CSE");
studentBean.setStudent_class("BE");
```

```
dbAdapter.addStudent(studentBean);*/
```

```
ArrayList<AttendanceSessionBean> attendanceSessionBeanList =
dbAdapter.getAllAttendanceSession();
```

```
for(AttendanceSessionBean sessionBean : attendanceSessionBeanList)
{
```

```
    Log.d("for", "in for loop");
    int aid = sessionBean.getAttendance_session_id();
    int fid = sessionBean.getAttendance_session_faculty_id();
    String sclass = sessionBean.getAttendance_session_class();
    String dept = sessionBean.getAttendance_session_department();
    String date= sessionBean.getAttendance_session_date();
    String sub= sessionBean.getAttendance_session_subject();
    Log.d("id", aid+"");
    Log.d("fid", fid+"");
    Log.d("sclass", sclass);
    Log.d("dept",dept);
    Log.d("date", date);
    Log.d("sub", sub);
```

```
    }
}
});
```

```
}  
  
}
```

#### ViewAttendanceActivity.java

```
package com.android.attendance.activity;  
  
import com.example.android.attendancesystem.R;  
  
import android.os.Bundle;  
import android.app.Activity;  
import android.content.Intent;  
import android.graphics.Color;  
import android.view.Menu;  
import android.view.View;  
import android.view.View.OnClickListener;  
import android.widget.AdapterView;  
import android.widget.AdapterView.OnItemClickListener;  
import android.widget.ArrayAdapter;  
import android.widget.Button;  
import android.widget.Spinner;  
import android.widget.TextView;  
import android.widget.AdapterView.OnItemSelectedListener;  
  
public class ViewAttendanceActivity extends Activity {  
  
    Spinner spinnerbranch, spinneryear;  
    String userrole, branch, year;  
    private String[] branchString = new String[] { "cse" };  
    private String[] yearString = new String[] { "SE", "TE", "BE" };  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.viewstudent);  
  
        spinnerbranch = (Spinner) findViewById(R.id.spinnerbranchView);  
        spinneryear = (Spinner) findViewById(R.id.spinneryearView);  
  
        spinnerbranch.setOnItemSelectedListener(new OnItemSelectedListener() {
```

```

    @Override
    public void onItemSelected(AdapterView<?> arg0, View view,
        int arg2, long arg3) {
        // TODO Auto-generated method stub
        ((TextView) arg0.getChildAt(0)).setTextColor(Color.WHITE);
        branch =(String) spinnerbranch.getSelectedItem();

    }

    @Override
    public void onNothingSelected(AdapterView<?> arg0) {
        // TODO Auto-generated method stub
    }
});

ArrayAdapter<String> adapter_branch = new ArrayAdapter<String>(this,
    android.R.layout.simple_spinner_item, branchString);
adapter_branch
.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
spinnerbranch.setAdapter(adapter_branch);

///  

spinnyear.setOnItemSelectedListener(new OnItemSelectedListener() {
    @Override
    public void onItemSelected(AdapterView<?> arg0, View view,
        int arg2, long arg3) {
        // TODO Auto-generated method stub
        ((TextView) arg0.getChildAt(0)).setTextColor(Color.WHITE);
        year =(String) spinnyear.getSelectedItem();

    }

    @Override
    public void onNothingSelected(AdapterView<?> arg0) {
        // TODO Auto-generated method stub
    }
});

ArrayAdapter<String> adapter_year = new ArrayAdapter<String>(this,
    android.R.layout.simple_spinner_item, yearString);
adapter_year
.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
spinnyear.setAdapter(adapter_year);

}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.

```

```
        getMenuInflater().inflate(R.menu.main, menu);
        return true;
    }
}
```

#### ViewAttendanceByFacultyActivity.java

```
package com.android.attendance.activity;

import java.util.ArrayList;

import android.app.Activity;
import android.app.AlertDialog;
import android.content.DialogInterface;
import android.os.Bundle;
import android.util.Log;
import android.view.Menu;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.Toast;

import com.android.attendance.bean.AttendanceBean;
import com.android.attendance.bean.FacultyBean;
import com.android.attendance.bean.StudentBean;
import com.android.attendance.context.ApplicationContext;
import com.android.attendance.db.DBAdapter;
import com.example.androidattendancesystem.R;

public class ViewAttendanceByFacultyActivity extends Activity {

    ArrayList<AttendanceBean> attendanceBeanList;
    private ListView listView ;
    private ArrayAdapter<String> listAdapter;

    DBAdapter dbAdapter = new DBAdapter(this);
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.__listview_main);

        listView=(ListView)findViewById(R.id.listview);
        final ArrayList<String> attendanceList = new ArrayList<String>();
        attendanceList.add("Id | StudentName | Status");

        attendanceBeanList=((ApplicationContext)ViewAttendanceByFacultyActivity.this.getApplication
        Context()).getAttendanceBeanList();
    }
}
```

```

for(AttendanceBean attendanceBean : attendanceBeanList)
{
    String users = "";
    if(attendanceBean.getAttendance_session_id() != 0)
    {
        DBAdapter dbAdapter = new DBAdapter(ViewAttendanceByFacultyActivity.this);
        StudentBean studentBean
=dbAdapter.getStudentById(attendanceBean.getAttendance_student_id());
        users = attendanceBean.getAttendance_student_id()+".
"+studentBean.getStudent_firstname()+","+studentBean.getStudent_lastname()+"
"+attendanceBean.getAttendance_status();
    }
    else
    {
        users = attendanceBean.getAttendance_status();
    }

    attendanceList.add(users);
    Log.d("users: ", users);

}

listAdapter = new ArrayAdapter<String>(this, R.layout.view_attendance_list,
R.id.labelAttendance, attendanceList);
listView.setAdapter( listAdapter );

/*listView.setOnItemClickListener(new OnItemClickListener() {

    @Override
    public boolean onItemClick(AdapterView<?> arg0, View arg1,
        final int position, long arg3) {

        AlertDialog.Builder alertDialogBuilder = new
AlertDialog.Builder(ViewAttendanceByFacultyActivity.this);

        alertDialogBuilder.setTitle(getTitle()+"decision");
        alertDialogBuilder.setMessage("Are you sure?");

        alertDialogBuilder.setPositiveButton("Yes",new DialogInterface.OnClickListener() {
            public void onClick(DialogInterface dialog,int id) {

                facultyList.remove(position);
                listAdapter.notifyDataSetChanged();
                listAdapter.notifyDataSetChanged();

                dbAdapter.deleteFaculty(facultyBeanList.get(position).getFaculty_id());
                facultyBeanList=dbAdapter.getAllFaculty();

                for(FacultyBean facultyBean : facultyBeanList)
                {

```

```

        String users = " FirstName: " +
facultyBean.getFaculty_firstname()+"\nLastname:"+facultyBean.getFaculty_lastname();
        facultyList.add(users);
        Log.d("users: ", users);

    }

}

});
alertDialogBuilder.setNegativeButton("No",new DialogInterface.OnClickListener() {
    public void onClick(DialogInterface dialog,int id) {
        // cancel the alert box and put a Toast to the user
        dialog.cancel();
        Toast.makeText(getApplicationContext(), "You choose cancel",
            Toast.LENGTH_LONG).show();
    }
});

AlertDialog alertDialog = alertDialogBuilder.create();
// show alert
alertDialog.show();

        return false;
    }
});
*/

}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.main, menu);
    return true;
}

}

```

**ViewAttendancePerStudentActivity.java**

```

package com.android.attendance.activity;

import java.util.ArrayList;

```



```
import android.app.Activity;
import android.app.AlertDialog;
import android.content.DialogInterface;
import android.os.Bundle;
import android.util.Log;
import android.view.Menu;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.ListView;
import android.widget.Toast;
```

```
import com.android.attendance.bean.AttendanceBean;
import com.android.attendance.bean.FacultyBean;
import com.android.attendance.bean.StudentBean;
import com.android.attendance.context.ApplicationContext;
import com.android.attendance.db.DBAdapter;
import com.example.androidattendancesystem.R;
import android.app.Dialog;
```

```
import static android.content.ContentValues.TAG;
```

```
public class ViewAttendancePerStudentActivity extends Activity {
```

```
    ArrayList<AttendanceBean> attendanceBeanList;
    private ListView listView ;
    private ArrayAdapter<String> listAdapter;
```

```
    DBAdapter dbAdapter = new DBAdapter(this);
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.__listview__main);
```

```
        listView=(ListView)findViewById(R.id.listview);
        final ArrayList<String> attendanceList = new ArrayList<String>();
        attendanceList.add("Present Count Per Student");
```

```
        attendanceBeanList=((ApplicationContext)ViewAttendancePerStudentActivity.this.getApplicati
onContext()).getAttendanceBeanList();
```

```
        for(AttendanceBean attendanceBean : attendanceBeanList)
        {
            String users = "";
            String Student_no = "";
```

```

String users1 = "";

        DBAdapter dbAdapter = new DBAdapter(ViewAttendancePerStudentActivity.this);
        StudentBean studentBean
=dbAdapter.getStudentById(attendanceBean.getAttendance_student_id());
        users = attendanceBean.getAttendance_student_id()+".
"+studentBean.getStudent_firstname()+",""+studentBean.getStudent_lastname()+"
"+attendanceBean.getAttendance_session_id();
        attendanceList.add(users);
        users1 =""+attendanceBean.getAttendance_session_id();
        users1= users1.trim();

        Student_no = attendanceBean.getAttendance_student_id()+" "+
studentBean.getStudent_mobilenumber();
        Log.d(TAG, "onCreate: "+users1);

//Toast.makeText(ViewAttendancePerStudentActivity.this,users,Toast.LENGTH_SHORT).show
();
    }

    listAdapter = new ArrayAdapter<String>(this, R.layout.view_attendance_list_per_student,
R.id.labelAttendancePerStudent, attendanceList);
    listView.setAdapter( listAdapter );

    /*listView.setOnItemLongClickListener(new OnItemLongClickListener() {

        @Override
        public boolean onItemLongClick(AdapterView<?> arg0, View arg1,
            final int position, long arg3) {

            AlertDialog.Builder alertDialogBuilder = new
AlertDialog.Builder(ViewAttendanceByFacultyActivity.this);

            alertDialogBuilder.setTitle(getTitle()+"decision");
            alertDialogBuilder.setMessage("Are you sure?");

            alertDialogBuilder.setPositiveButton("Yes",new DialogInterface.OnClickListener() {
                public void onClick(DialogInterface dialog,int id) {

                    facultyList.remove(position);
                    listAdapter.notifyDataSetChanged();
                    listAdapter.notifyDataSetInvalidated();

                    dbAdapter.deleteFaculty(facultyBeanList.get(position).getFaculty_id());
                    facultyBeanList=dbAdapter.getAllFaculty();

                    for(FacultyBean facultyBean : facultyBeanList)
                    {
                        String users = " FirstName: " +
facultyBean.getFaculty_firstname()+"\nLastname:""+facultyBean.getFaculty_lastname();

```

```

        facultyList.add(users);
        Log.d("users: ", users);

    }

}

});
alertDialogBuilder.setNegativeButton("No",new DialogInterface.OnClickListener() {
    public void onClick(DialogInterface dialog,int id) {
        // cancel the alert box and put a Toast to the user
        dialog.cancel();
        Toast.makeText(getApplicationContext(), "You choose cancel",
            Toast.LENGTH_LONG).show();
    }
});

AlertDialog alertDialog = alertDialogBuilder.create();
// show alert
alertDialog.show();

return false;
}
});
*/

}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.main, menu);
    return true;
}

}

```

#### ViewFacultyActivity.java

```

package com.android.attendance.activity;

import java.util.ArrayList;

import android.app.Activity;

```

```

import android.app.AlertDialog;
import android.content.DialogInterface;
import android.os.Bundle;
import android.util.Log;
import android.view.Menu;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.Toast;

import com.android.attendance.bean.FacultyBean;
import com.android.attendance.db.DBAdapter;
import com.example.androidattendancesystem.R;

public class ViewFacultyActivity extends Activity {

    ArrayList<FacultyBean> facultyBeanList;
    private ListView listView ;
    private ArrayAdapter<String> listAdapter;

    DBAdapter dbAdapter = new DBAdapter(this);
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.__listview__main);

        listView=(ListView)findViewById(R.id.listview);
        final ArrayList<String> facultyList = new ArrayList<String>();

        facultyBeanList=dbAdapter.getAllFaculty();

        for(FacultyBean facultyBean : facultyBeanList)
        {
            String users = " FirstName: " +
facultyBean.getFaculty_firstname()+"\nLastname:"+facultyBean.getFaculty_lastname();

            facultyList.add(users);
            Log.d("users: ", users);
        }

        listAdapter = new ArrayAdapter<String>(this, R.layout.view_faculty_list, R.id.labelF,
facultyList);
        listView.setAdapter( listAdapter );

        listView.setOnItemClickListener(new OnItemClickListener() {

            @Override
            public boolean onItemClick(AdapterView<?> arg0, View arg1,
                final int position, long arg3) {

```

```

        AlertDialog.Builder alertDialogBuilder = new
AlertDialog.Builder(ViewFacultyActivity.this);

        alertDialogBuilder.setTitle(getTitle()+"decision");
        alertDialogBuilder.setMessage("Are you sure?");

        alertDialogBuilder.setPositiveButton("Yes",new DialogInterface.OnClickListener() {
            public void onClick(DialogInterface dialog,int id) {

                facultyList.remove(position);
                listAdapter.notifyDataSetChanged();
                listAdapter.notifyDataSetChanged();

                dbAdapter.deleteFaculty(facultyBeanList.get(position).getFaculty_id());
                facultyBeanList=dbAdapter.getAllFaculty();

                for(FacultyBean facultyBean : facultyBeanList)
                {
                    String users = " FirstName: " +
facultyBean.getFaculty_firstname()+"\nLastname:"+facultyBean.getFaculty_lastname();
                    facultyList.add(users);
                    Log.d("users: ", users);

                }

            }

        });
        alertDialogBuilder.setNegativeButton("No",new DialogInterface.OnClickListener() {
            public void onClick(DialogInterface dialog,int id) {
                // cancel the alert box and put a Toast to the user
                dialog.cancel();
                Toast.makeText(getApplicationContext(), "You choose cancel",
                    Toast.LENGTH_LONG).show();
            }
        });

        AlertDialog alertDialog = alertDialogBuilder.create();
        // show alert
        alertDialog.show();

        return false;
    }
});

```

```

}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.main, menu);
    return true;
}
}

```

#### ViewStudentActivity.java

```

package com.android.attendance.activity;

import com.example.androidattendancesystem.R;

import android.os.Bundle;
import android.app.Activity;
import android.content.Intent;
import android.graphics.Color;
import android.view.Menu;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.Spinner;
import android.widget.TextView;
import android.widget.AdapterView.OnItemClickListener;

public class ViewStudentActivity extends Activity {

    Spinner spinnerbranch,spinneryear;
    String userrole,branch,year;
    private final String[] branchString = new String[] { "CSE","IT","EE","PE"};
    private final String[] yearString = new String[] {"FE","SE","TE","BE"};

    Button submit;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.viewstudent);
    }
}

```

```

spinnerbranch=(Spinner)findViewById(R.id.spinnerbranchView);
spinneryear=(Spinner)findViewById(R.id.spinneryearView);

spinnerbranch.setOnItemClickListener(new OnItemSelectedListener() {
    @Override
    public void onItemSelected(AdapterView<?> arg0, View view,
        int arg2, long arg3) {
        // TODO Auto-generated method stub
        ((TextView) arg0.getChildAt(0)).setTextColor(Color.BLACK);
        ((TextView) arg0.getChildAt(0)).setTextSize(20);
        branch =(String) spinnerbranch.getSelectedItem();

    }

    @Override
    public void onNothingSelected(AdapterView<?> arg0) {
        // TODO Auto-generated method stub
    }
});

ArrayAdapter<String> adapter_branch = new ArrayAdapter<String>(this,
    android.R.layout.simple_spinner_item, branchString);
adapter_branch
.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
spinnerbranch.setAdapter(adapter_branch);

///.....spinner2

spinneryear.setOnItemClickListener(new OnItemSelectedListener() {
    @Override
    public void onItemSelected(AdapterView<?> arg0, View view,
        int arg2, long arg3) {
        // TODO Auto-generated method stub
        ((TextView) arg0.getChildAt(0)).setTextColor(Color.BLACK);
        ((TextView) arg0.getChildAt(0)).setTextSize(20);
        year =(String) spinneryear.getSelectedItem();

    }

    @Override
    public void onNothingSelected(AdapterView<?> arg0) {
        // TODO Auto-generated method stub
    }
});

ArrayAdapter<String> adapter_year = new ArrayAdapter<String>(this,
    android.R.layout.simple_spinner_item, yearString);
adapter_year
.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
spinneryear.setAdapter(adapter_year);

```

```

submit=(Button)findViewById(R.id.submitButton);
submit.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {

        Intent intent = new Intent(ViewStudentActivity.this,ViewStudentByBranchYear.class);
        intent.putExtra("branch", branch);
        intent.putExtra("year", year);
        startActivity(intent);

    }
});

}

}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.main, menu);
    return true;
}

}

```

#### ViewStudentByBranchYear.java

```

package com.android.attendance.activity;

import java.util.ArrayList;

import android.app.Activity;
import android.app.AlertDialog;
import android.content.DialogInterface;
import android.os.Bundle;
import android.util.Log;
import android.view.Menu;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.Toast;

import com.android.attendance.bean.FacultyBean;
import com.android.attendance.bean.StudentBean;
import com.android.attendance.db.DBAdapter;
import com.example.androidattendancesystem.R;

```



```

public class ViewStudentByBranchYear extends Activity {

    ArrayList<StudentBean> studentBeanList;
    private ListView listView ;
    private ArrayAdapter<String> listAdapter;
    String branch;
    String year;

    DBAdapter dbAdapter = new DBAdapter(this);
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.__listview__main);

        listView=(ListView)findViewById(R.id.listView);
        final ArrayList<String> studentList = new ArrayList<String>();

        branch=getIntent().getExtras().getString("branch");
        year =getIntent().getExtras().getString("year");

        studentBeanList=dbAdapter.getAllStudentByBranchYear(branch, year);

        for(StudentBean studentBean : studentBeanList)
        {
            String users =
studentBean.getStudent_firstname()+" "+studentBean.getStudent_lastname();

            studentList.add(users);
            Log.d("users: ", users);

        }

        listAdapter = new ArrayAdapter<String>(this, R.layout.view__student__list, R.id.label,
studentList);
        listView.setAdapter( listAdapter );

        listView.setOnItemClickListener(new OnItemClickListener() {

            @Override
            public boolean onItemClick(AdapterView<?> arg0, View arg1,
                final int position, long arg3) {

                AlertDialog.Builder alertDialogBuilder = new
AlertDialog.Builder(ViewStudentByBranchYear.this);

                alertDialogBuilder.setTitle(getTitle()+"decision");
                alertDialogBuilder.setMessage("Are you sure?");

                alertDialogBuilder.setPositiveButton("Yes",new DialogInterface.OnClickListener() {

```

```

        public void onClick(DialogInterface dialog,int id) {

            studentList.remove(position);
            listAdapter.notifyDataSetChanged();
            listAdapter.notifyDataSetInvalidated();

            dbAdapter.deleteStudent(studentBeanList.get(position).getStudent_id());
            studentBeanList=dbAdapter.getAllStudentByBranchYear(branch, year);

            for(StudentBean studentBean : studentBeanList)
            {
                String users = " FirstName: " +
studentBean.getStudent_firstname()+"\nLastname:"+studentBean.getStudent_lastname();
                studentList.add(users);
                Log.d("users: ", users);

            }
        }

    });

    alertDialogBuilder.setNegativeButton("No",new DialogInterface.OnClickListener() {
        public void onClick(DialogInterface dialog,int id) {
            // cancel the alert box and put a Toast to the user
            dialog.cancel();
            Toast.makeText(getApplicationContext(), "You choose cancel",
                Toast.LENGTH_LONG).show();
        }
    });

    AlertDialog alertDialog = alertDialogBuilder.create();
    // show alert
    alertDialog.show();

    return false;
}
});

}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.

```

```
        getMenuInflater().inflate(R.menu.main, menu);  
        return true;  
    }  
  
}
```

#### AttendanceBean.java

```
package com.android.attendance.bean;  
  
public class AttendanceBean {  
  
    private int attendance_session_id;  
    private int attendance_student_id;  
    private String attendance_status;  
  
    public int getAttendance_session_id() {  
        return attendance_session_id;  
    }  
    public void setAttendance_session_id(int attendance_session_id) {  
        this.attendance_session_id = attendance_session_id;  
    }  
    public int getAttendance_student_id() {  
        return attendance_student_id;  
    }  
    public void setAttendance_student_id(int attendance_student_id) {  
        this.attendance_student_id = attendance_student_id;  
    }  
    public String getAttendance_status() {  
        return attendance_status;  
    }  
    public void setAttendance_status(String attendance_status) {  
        this.attendance_status = attendance_status;  
    }  
  
}
```

#### AttendanceSessionBean.java

```
package com.android.attendance.bean;  
  
public class AttendanceSessionBean {  
  
    private int attendance_session_id;  
    private int attendance_session_faculty_id;  
    private String attendance_session_department;  
    private String attendance_session_class;  
    private String attendance_session_date;  
    private String attendance_session_subject;  
  
}
```

```

public int getAttendance_session_id() {
    return attendance_session_id;
}
public void setAttendance_session_id(int attendance_session_id) {
    this.attendance_session_id = attendance_session_id;
}
public int getAttendance_session_faculty_id() {
    return attendance_session_faculty_id;
}
public void setAttendance_session_faculty_id(int attendance_session_faculty_id) {
    this.attendance_session_faculty_id = attendance_session_faculty_id;
}
public String getAttendance_session_department() {
    return attendance_session_department;
}
public void setAttendance_session_department(
    String attendance_session_department) {
    this.attendance_session_department = attendance_session_department;
}
public String getAttendance_session_class() {
    return attendance_session_class;
}
public void setAttendance_session_class(String attendance_session_class) {
    this.attendance_session_class = attendance_session_class;
}
public String getAttendance_session_date() {
    return attendance_session_date;
}
public void setAttendance_session_date(String attendance_session_date) {
    this.attendance_session_date = attendance_session_date;
}
public String getAttendance_session_subject() {
    return attendance_session_subject;
}
public void setAttendance_session_subject(String attendance_session_subject) {
    this.attendance_session_subject = attendance_session_subject;
}
}

```

#### FacultyBean.java

```

package com.android.attendance.bean;

public class FacultyBean {

    private int faculty_id;
    private String faculty_firstname;
    private String faculty_lastname;
    private String faculty_mobilenumber;

```

```
private String faculty_address;
private String faculty_username;
private String faculty_password;
public int getFaculty_id() {
    return faculty_id;
}
public void setFaculty_id(int faculty_id) {
    this.faculty_id = faculty_id;
}
public String getFaculty_firstname() {
    return faculty_firstname;
}
public void setFaculty_firstname(String faculty_firstname) {
    this.faculty_firstname = faculty_firstname;
}
public String getFaculty_lastname() {
    return faculty_lastname;
}
public void setFaculty_lastname(String faculty_lastname) {
    this.faculty_lastname = faculty_lastname;
}
public String getFaculty_mobilenumber() {
    return faculty_mobilenumber;
}
public void setFaculty_mobilenumber(String faculty_mobilenumber) {
    this.faculty_mobilenumber = faculty_mobilenumber;
}
public String getFaculty_address() {
    return faculty_address;
}
public void setFaculty_address(String faculty_address) {
    this.faculty_address = faculty_address;
}
public String getFaculty_username() {
    return faculty_username;
}
public void setFaculty_username(String faculty_username) {
    this.faculty_username = faculty_username;
}
public String getFaculty_password() {
    return faculty_password;
}
public void setFaculty_password(String faculty_password) {
    this.faculty_password = faculty_password;
}
}
```

## StudentBean.java

```
package com.android.attendance.bean;

public class StudentBean {

    private int student_id;
    private String student_firstname;
    private String student_lastname;
    private String student_mobilenumber;
    private String student_address;
    private String student_department;
    private String student_class;
    public int getStudent_id() {
        return student_id;
    }
    public void setStudent_id(int student_id) {
        this.student_id = student_id;
    }
    public String getStudent_firstname() {
        return student_firstname;
    }
    public void setStudent_firstname(String student_firstname) {
        this.student_firstname = student_firstname;
    }
    public String getStudent_lastname() {
        return student_lastname;
    }
    public void setStudent_lastname(String student_lastname) {
        this.student_lastname = student_lastname;
    }
    public String getStudent_mobilenumber() {
        return student_mobilenumber;
    }
    public void setStudent_mobilenumber(String student_mobilenumber) {
        this.student_mobilenumber = student_mobilenumber;
    }
    public String getStudent_address() {
        return student_address;
    }
    public void setStudent_address(String student_address) {
        this.student_address = student_address;
    }
    public String getStudent_department() {
        return student_department;
    }
    public void setStudent_department(String student_department) {
        this.student_department = student_department;
    }
    public String getStudent_class() {
        return student_class;
    }
    public void setStudent_class(String student_class) {
```

```
        this.student_class = student_class;
    }

}
```

#### DBAdapter.java

```
package com.android.attendance.db;

import java.util.ArrayList;

import com.android.attendance.bean.AttendanceBean;
import com.android.attendance.bean.AttendanceSessionBean;
import com.android.attendance.bean.FacultyBean;
import com.android.attendance.bean.StudentBean;

import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;
import android.util.Log;

public class DBAdapter extends SQLiteOpenHelper {

    // All Static variables
    // Database Version
    private static final int DATABASE_VERSION = 1;

    // Database Name
    private static final String DATABASE_NAME = "Attendance";

    // Contacts table name
    private static final String FACULTY_INFO_TABLE = "faculty_table";
    private static final String STUDENT_INFO_TABLE = "student_table";
    private static final String ATTENDANCE_SESSION_TABLE = "attendance_session_table";
    private static final String ATTENDANCE_TABLE = "attendance_table";

    // Contacts Table Columns names
    private static final String KEY_FACULTY_ID = "faculty_id";
    private static final String KEY_FACULTY_FIRSTNAME = "faculty_firstname";
    private static final String KEY_FACULTY_LASTNAME = "faculty_lastname";
    private static final String KEY_FACULTY_MO_NO = "faculty_mobilenumber";
    private static final String KEY_FACULTY_ADDRESS = "faculty_address";
    private static final String KEY_FACULTY_USERNAME = "faculty_username";
    private static final String KEY_FACULTY_PASSWORD = "faculty_password";

    private static final String KEY_STUDENT_ID = "student_id";
    private static final String KEY_STUDENT_FIRSTNAME = "student_firstname";
    private static final String KEY_STUDENT_LASTNAME = "student_lastname";
```

```

private static final String KEY_STUDENT_MO_NO = "student_mobilenumber";
private static final String KEY_STUDENT_ADDRESS = "student_address";
private static final String KEY_STUDENT_DEPARTMENT = "student_department";
private static final String KEY_STUDENT_CLASS = "student_class";

private static final String KEY_ATTENDANCE_SESSION_ID = "attendance_session_id";
private static final String KEY_ATTENDANCE_SESSION_FACULTY_ID =
"attendance_session_faculty_id";
private static final String KEY_ATTENDANCE_SESSION_DEPARTMENT =
"attendance_session_department";
private static final String KEY_ATTENDANCE_SESSION_CLASS =
"attendance_session_class";
private static final String KEY_ATTENDANCE_SESSION_DATE =
"attendance_session_date";
private static final String KEY_ATTENDANCE_SESSION_SUBJECT =
"attendance_session_subject";

private static final String KEY_SESSION_ID = "attendance_session_id";
private static final String KEY_ATTENDANCE_STUDENT_ID = "attendance_student_id";
private static final String KEY_ATTENDANCE_STATUS = "attendance_status";

public DBAdapter(Context context) {
    super(context, DATABASE_NAME, null, DATABASE_VERSION);
}

@Override

public void onCreate(SQLiteDatabase db) {
    String queryFaculty="CREATE TABLE "+ FACULTY_INFO_TABLE +" (" +
        KEY_FACULTY_ID + " INTEGER PRIMARY KEY AUTOINCREMENT, " +
        KEY_FACULTY_FIRSTNAME + " TEXT, " +
        KEY_FACULTY_LASTNAME + " TEXT, " +
        KEY_FACULTY_MO_NO + " TEXT, " +
        KEY_FACULTY_ADDRESS + " TEXT," +
        KEY_FACULTY_USERNAME + " TEXT," +
        KEY_FACULTY_PASSWORD + " TEXT " + ")";
    Log.d("queryFaculty",queryFaculty);

    String queryStudent="CREATE TABLE "+ STUDENT_INFO_TABLE +" (" +
        KEY_STUDENT_ID + " INTEGER PRIMARY KEY AUTOINCREMENT, " +
        KEY_STUDENT_FIRSTNAME + " TEXT, " +
        KEY_STUDENT_LASTNAME + " TEXT, " +
        KEY_STUDENT_MO_NO + " TEXT, " +
        KEY_STUDENT_ADDRESS + " TEXT," +
        KEY_STUDENT_DEPARTMENT + " TEXT," +
        KEY_STUDENT_CLASS + " TEXT " + ")";
    Log.d("queryStudent",queryStudent );

```



```

String queryAttendanceSession="CREATE TABLE "+ ATTENDANCE_SESSION_TABLE
+" (" +
    KEY_ATTENDANCE_SESSION_ID + " INTEGER PRIMARY KEY
AUTOINCREMENT, " +
    KEY_ATTENDANCE_SESSION_FACULTY_ID + " INTEGER, " +
    KEY_ATTENDANCE_SESSION_DEPARTMENT + " TEXT, " +
    KEY_ATTENDANCE_SESSION_CLASS + " TEXT, " +
    KEY_ATTENDANCE_SESSION_DATE + " DATE," +
    KEY_ATTENDANCE_SESSION_SUBJECT + " TEXT" + ")";
Log.d("queryAttendanceSession",queryAttendanceSession );

```

```

String queryAttendance="CREATE TABLE "+ ATTENDANCE_TABLE +" (" +
    KEY_SESSION_ID + " INTEGER, " +
    KEY_ATTENDANCE_STUDENT_ID + " INTEGER, " +
    KEY_ATTENDANCE_STATUS + " TEXT " + ")";
Log.d("queryAttendance",queryAttendance );

```

```

try
{
    db.execSQL(queryFaculty);
    db.execSQL(queryStudent);
    db.execSQL(queryAttendanceSession);
    db.execSQL(queryAttendance);
}
catch (Exception e) {
    e.printStackTrace();
    Log.e("Exception", e.getMessage());
}
}

```

**@Override**

```

public void onUpgrade(SQLiteDatabase db, int arg1, int arg2) {
    String queryFaculty="CREATE TABLE "+ FACULTY_INFO_TABLE +" (" +
        KEY_FACULTY_ID + " INTEGER PRIMARY KEY AUTOINCREMENT, " +
        KEY_FACULTY_FIRSTNAME + " TEXT, " +
        KEY_FACULTY_LASTNAME + " TEXT, " +
        KEY_FACULTY_MO_NO + " TEXT, " +
        KEY_FACULTY_ADDRESS + " TEXT," +
        KEY_FACULTY_USERNAME + " TEXT," +
        KEY_FACULTY_PASSWORD + " TEXT " + ")";
    Log.d("queryFaculty",queryFaculty);
}

```

```

String queryStudent="CREATE TABLE "+ STUDENT_INFO_TABLE +" (" +
    KEY_STUDENT_ID + " INTEGER PRIMARY KEY AUTOINCREMENT, " +
    KEY_STUDENT_FIRSTNAME + " TEXT, " +
    KEY_STUDENT_LASTNAME + " TEXT, " +
    KEY_STUDENT_MO_NO + " TEXT, " +

```

```

        KEY_STUDENT_ADDRESS + " TEXT," +
        KEY_STUDENT_DEPARTMENT + " TEXT," +
        KEY_STUDENT_CLASS + " TEXT " + ")";
Log.d("queryStudent",queryStudent );

String queryAttendanceSession="CREATE TABLE "+ ATTENDANCE_SESSION_TABLE
+" (" +
        KEY_ATTENDANCE_SESSION_ID + " INTEGER PRIMARY KEY
AUTOINCREMENT, " +
        KEY_ATTENDANCE_SESSION_FACULTY_ID + " INTEGER, " +
        KEY_ATTENDANCE_SESSION_DEPARTMENT + " TEXT, " +
        KEY_ATTENDANCE_SESSION_CLASS + " TEXT, " +
        KEY_ATTENDANCE_SESSION_DATE + " TEXT," +
        KEY_ATTENDANCE_SESSION_SUBJECT + " TEXT" + ")";
Log.d("queryAttendanceSession",queryAttendanceSession );

String queryAttendance="CREATE TABLE "+ ATTENDANCE_TABLE +" (" +
        KEY_SESSION_ID + " INTEGER, " +
        KEY_ATTENDANCE_STUDENT_ID + " INTEGER, " +
        KEY_ATTENDANCE_STATUS + " TEXT " + ")";
Log.d("queryAttendance",queryAttendance );

try
{
    db.execSQL(queryFaculty);
    db.execSQL(queryStudent);
    db.execSQL(queryAttendanceSession);
    db.execSQL(queryAttendance);
}
catch (Exception e) {
    e.printStackTrace();
    Log.e("Exception", e.getMessage());
}
}

//facult crud
public void addFaculty(FacultyBean facultyBean) {
    SQLiteDatabase db = this.getWritableDatabase();

    String query = "INSERT INTO faculty_table
(faculty_firstname,faculty_lastname,faculty_mobilenumber,faculty_address,faculty_username,f
aculty_password) values (''+
        facultyBean.getFaculty_firstname()+'' , ''+
        facultyBean.getFaculty_lastname()+'' , ''+
        facultyBean.getFaculty_mobilenumber()+'' , ''+
        facultyBean.getFaculty_address()+'' , ''+
        facultyBean.getFaculty_username()+'' , ''+
        facultyBean.getFaculty_password()+'' )";
    Log.d("query", query);
    db.execSQL(query);

```

```

        db.close();
    }

    public FacultyBean validateFaculty(String userName,String password)
    {
        SQLiteDatabase db = this.getWritableDatabase();

        String query = "SELECT * FROM faculty_table where faculty_username='"+userName+"'
and faculty_password='"+password+"'";
        Cursor cursor = db.rawQuery(query, null);

        if(cursor.moveToFirst())
        {
            FacultyBean facultyBean = new FacultyBean();
            facultyBean.setFaculty_id(Integer.parseInt(cursor.getString(0)));
            facultyBean.setFaculty_firstname(cursor.getString(1));
            facultyBean.setFaculty_lastname(cursor.getString(2));
            facultyBean.setFaculty_mobilenumber(cursor.getString(3));
            facultyBean.setFaculty_address(cursor.getString(4));
            facultyBean.setFaculty_username(cursor.getString(5));
            facultyBean.setFaculty_password(cursor.getString(6));
            return facultyBean;
        }
        return null;
    }

    public ArrayList<FacultyBean> getAllFaculty()
    {
        Log.d("in get all","in get all" );
        ArrayList<FacultyBean> list = new ArrayList<FacultyBean>();

        SQLiteDatabase db = this.getWritableDatabase();
        String query = "SELECT * FROM faculty_table";
        Cursor cursor = db.rawQuery(query, null);

        if(cursor.moveToFirst())
        {
            do{
                FacultyBean facultyBean = new FacultyBean();
                facultyBean.setFaculty_id(Integer.parseInt(cursor.getString(0)));
                facultyBean.setFaculty_firstname(cursor.getString(1));
                facultyBean.setFaculty_lastname(cursor.getString(2));
                facultyBean.setFaculty_mobilenumber(cursor.getString(3));
                facultyBean.setFaculty_address(cursor.getString(4));
                facultyBean.setFaculty_username(cursor.getString(5));
                facultyBean.setFaculty_password(cursor.getString(6));
                list.add(facultyBean);

            }while(cursor.moveToNext());
        }
        return list;
    }

```

```

}

public void deleteFaculty(int facultyId) {
    SQLiteDatabase db = this.getWritableDatabase();

    String query = "DELETE FROM faculty_table WHERE faculty_id="+facultyId ;

    Log.d("query", query);
    db.execSQL(query);
    db.close();
}

//student crud
public void addStudent(StudentBean studentBean) {
    SQLiteDatabase db = this.getWritableDatabase();

    String query = "INSERT INTO student_table
(student_firstname,student_lastname,student_mobilenumber,student_address,student_department,student_class) values ('"+
        studentBean.getStudent_firstname()+"', '"+
        studentBean.getStudent_lastname()+"', '"+
        studentBean.getStudent_mobilenumber()+"', '"+
        studentBean.getStudent_address()+"', '"+
        studentBean.getStudent_department()+"', '"+
        studentBean.getStudent_class()+"')";
    Log.d("query", query);
    db.execSQL(query);
    db.close();
}

public ArrayList<StudentBean> getAllStudent()
{
    ArrayList<StudentBean> list = new ArrayList<StudentBean>();

    SQLiteDatabase db = this.getWritableDatabase();
    String query = "SELECT * FROM student_table";
    Cursor cursor = db.rawQuery(query, null);

    if(cursor.moveToFirst())
    {
        do{
            StudentBean studentBean = new StudentBean();
            studentBean.setStudent_id(Integer.parseInt(cursor.getString(0)));
            studentBean.setStudent_firstname(cursor.getString(1));
            studentBean.setStudent_lastname(cursor.getString(2));
            studentBean.setStudent_mobilenumber(cursor.getString(3));
            studentBean.setStudent_address(cursor.getString(4));
            studentBean.setStudent_department(cursor.getString(5));
            studentBean.setStudent_class(cursor.getString(6));
            list.add(studentBean);
        }while(cursor.moveToNext());
    }
}

```

```

        return list;
    }

    public ArrayList<StudentBean> getAllStudentByBranchYear(String branch,String year)
    {
        ArrayList<StudentBean> list = new ArrayList<StudentBean>();

        SQLiteDatabase db = this.getWritableDatabase();
        String query = "SELECT * FROM student_table where student_department='"+branch+"'
and student_class='"+year+"'";
        Cursor cursor = db.rawQuery(query, null);

        if(cursor.moveToFirst())
        {
            do{
                StudentBean studentBean = new StudentBean();
                studentBean.setStudent_id(Integer.parseInt(cursor.getString(0)));
                studentBean.setStudent_firstname(cursor.getString(1));
                studentBean.setStudent_lastname(cursor.getString(2));
                studentBean.setStudent_mobilenumber(cursor.getString(3));
                studentBean.setStudent_address(cursor.getString(4));
                studentBean.setStudent_department(cursor.getString(5));
                studentBean.setStudent_class(cursor.getString(6));
                list.add(studentBean);
            }while(cursor.moveToNext());
        }
        return list;
    }
}

```

```

public ArrayList<StudentBean> getAllStudentmobile()
{
    ArrayList<StudentBean> list = new ArrayList<StudentBean>();

    SQLiteDatabase db = this.getWritableDatabase();
    String query = "SELECT * FROM student_table ";
    Cursor cursor = db.rawQuery(query, null);

    if(cursor.moveToFirst())
    {
        do{
            StudentBean studentBean = new StudentBean();
            studentBean.setStudent_id(Integer.parseInt(cursor.getString(0)));
            studentBean.setStudent_firstname(cursor.getString(1));
            studentBean.setStudent_lastname(cursor.getString(2));
            studentBean.setStudent_mobilenumber(cursor.getString(3));
            studentBean.setStudent_address(cursor.getString(4));
            studentBean.setStudent_department(cursor.getString(5));
            studentBean.setStudent_class(cursor.getString(6));
            list.add(studentBean);
        }
    }
}

```

```
        }while(cursor.moveToNext());  
    }  
    return list;  
}
```

```
public StudentBean getStudentById(int studentId)  
{  
    StudentBean studentBean = new StudentBean();  
    SQLiteDatabase db = this.getWritableDatabase();  
    String query = "SELECT * FROM student_table where student_id="+studentId;  
    Cursor cursor = db.rawQuery(query, null);  
  
    if(cursor.moveToFirst())  
    {  
        do{  
  
            studentBean.setStudent_id(Integer.parseInt(cursor.getString(0)));  
            studentBean.setStudent_firstname(cursor.getString(1));  
            studentBean.setStudent_lastname(cursor.getString(2));  
            studentBean.setStudent_mobilenumber(cursor.getString(3));  
            studentBean.setStudent_address(cursor.getString(4));  
            studentBean.setStudent_department(cursor.getString(5));  
            studentBean.setStudent_class(cursor.getString(6));  
  
            }while(cursor.moveToNext());  
        }  
        return studentBean;  
    }  
}
```

```
public void deleteStudent(int studentId) {  
    SQLiteDatabase db = this.getWritableDatabase();  
  
    String query = "DELETE FROM student_table WHERE student_id="+studentId ;  
  
    Log.d("query", query);  
    db.execSQL(query);  
    db.close();  
}
```

//attendance session Table crud

```

public int addAttendanceSession(AttendanceSessionBean attendanceSessionBean) {
    SQLiteDatabase db = this.getWritableDatabase();

    String query = "INSERT INTO attendance_session_table
(attendance_session_faculty_id,attendance_session_department,attendance_session_class,attendance_session_date,attendance_session_subject) values ('"+
        attendanceSessionBean.getAttendance_session_faculty_id()+"', '"+
        attendanceSessionBean.getAttendance_session_department()+"', '"+
        attendanceSessionBean.getAttendance_session_class()+"', '"+
        attendanceSessionBean.getAttendance_session_date()+"', '"+
        attendanceSessionBean.getAttendance_session_subject()+"')";
    Log.d("query", query);
    db.execSQL(query);

    String query1= "select max(attendance_session_id) from attendance_session_table";
    Cursor cursor = db.rawQuery(query1, null);

    if(cursor.moveToFirst())
    {
        int sessionId = Integer.parseInt(cursor.getString(0));

        return sessionId;
    }

    db.close();
    return 0;
}

public ArrayList<AttendanceSessionBean> getAllAttendanceSession()
{
    ArrayList<AttendanceSessionBean> list = new ArrayList<AttendanceSessionBean>();

    SQLiteDatabase db = this.getWritableDatabase();
    String query = "SELECT * FROM attendance_session_table";
    Cursor cursor = db.rawQuery(query, null);

    if(cursor.moveToFirst())
    {
        do{
            AttendanceSessionBean attendanceSessionBean = new AttendanceSessionBean();
            attendanceSessionBean.setAttendance_session_id(Integer.parseInt(cursor.getString(0)));
attendanceSessionBean.setAttendance_session_faculty_id(Integer.parseInt(cursor.getString(1)));
            attendanceSessionBean.setAttendance_session_department(cursor.getString(2));
            attendanceSessionBean.setAttendance_session_class(cursor.getString(3));
            attendanceSessionBean.setAttendance_session_date(cursor.getString(4));
            attendanceSessionBean.setAttendance_session_subject(cursor.getString(5));
            list.add(attendanceSessionBean);
        }while(cursor.moveToNext());
    }
    return list;
}

```

```

}

public void deleteAttendanceSession(int attendanceSessionId) {
    SQLiteDatabase db = this.getWritableDatabase();

    String query = "DELETE FROM attendance_session_table WHERE
attendance_session_id="+attendanceSessionId ;

    Log.d("query", query);
    db.execSQL(query);
    db.close();
}

//attendance crud
public void addNewAttendance(AttendanceBean attendanceBean) {
    SQLiteDatabase db = this.getWritableDatabase();

    String query = "INSERT INTO attendance_table values ('+
        attendanceBean.getAttendance_session_id()+", "+
        attendanceBean.getAttendance_student_id()+", '"+
        attendanceBean.getAttendance_status()+")";
    Log.d("query", query);
    db.execSQL(query);
    db.close();
}

public ArrayList<AttendanceBean> getAttendanceBySessionID(AttendanceSessionBean
attendanceSessionBean)
{
    int attendanceSessionId=0;
    ArrayList<AttendanceBean> list = new ArrayList<AttendanceBean>();

    SQLiteDatabase db = this.getWritableDatabase();
    String query = "SELECT * FROM attendance_session_table where
attendance_session_faculty_id="+attendanceSessionBean.getAttendance_session_faculty_id()+"
"
        +" AND
attendance_session_department='"+attendanceSessionBean.getAttendance_session_department(
)+"' AND
attendance_session_class='"+attendanceSessionBean.getAttendance_session_class()+"' +
        " AND
attendance_session_date='"+attendanceSessionBean.getAttendance_session_date()+"' AND
attendance_session_subject='"+attendanceSessionBean.getAttendance_session_subject()+"'";
    Cursor cursor = db.rawQuery(query, null);

    if(cursor.moveToFirst())
    {
        do{
            attendanceSessionId=(Integer.parseInt(cursor.getString(0)));
        }while(cursor.moveToNext());
    }
}

```



```

String query1="SELECT * FROM attendance_table where attendance_session_id=" +
attendanceSessionId+" order by attendance_student_id";
Cursor cursor1 = db.rawQuery(query1, null);
if(cursor1.moveToFirst())
{
    do{
        AttendanceBean attendanceBean = new AttendanceBean();
        attendanceBean.setAttendance_session_id(Integer.parseInt(cursor1.getString(0)));
        attendanceBean.setAttendance_student_id(Integer.parseInt(cursor1.getString(1)));
        attendanceBean.setAttendance_status(cursor1.getString(2));
        list.add(attendanceBean);

    }while(cursor1.moveToNext());
}
return list;
}

public ArrayList<AttendanceBean> getTotalAttendanceBySessionID(AttendanceSessionBean
attendanceSessionBean)
{
    int attendanceSessionId=0;
    ArrayList<AttendanceBean> list = new ArrayList<AttendanceBean>();

    SQLiteDatabase db = this.getWritableDatabase();
    String query = "SELECT * FROM attendance_session_table where
attendance_session_faculty_id='"+attendanceSessionBean.getAttendance_session_faculty_id()+"
"
        +" AND
attendance_session_department='"+attendanceSessionBean.getAttendance_session_department(
)+"' AND
attendance_session_class='"+attendanceSessionBean.getAttendance_session_class()+"' +
" AND
attendance_session_subject='"+attendanceSessionBean.getAttendance_session_subject()+"'";
    Cursor cursor = db.rawQuery(query, null);

    if(cursor.moveToFirst())
    {
        do{
            attendanceSessionId=(Integer.parseInt(cursor.getString(0)));

            String query1="SELECT * FROM attendance_table where attendance_session_id=" +
attendanceSessionId+" order by attendance_student_id";
            Cursor cursor1 = db.rawQuery(query1, null);
            if(cursor1.moveToFirst())
            {
                do{
                    AttendanceBean attendanceBean = new AttendanceBean();
                    attendanceBean.setAttendance_session_id(Integer.parseInt(cursor1.getString(0)));
                    attendanceBean.setAttendance_student_id(Integer.parseInt(cursor1.getString(1)));
                    attendanceBean.setAttendance_status(cursor1.getString(2));
                    list.add(attendanceBean);

```

```

        }while(cursor1.moveToNext());
    }

    AttendanceBean attendanceBean = new AttendanceBean();
    attendanceBean.setAttendance_session_id(0);
    attendanceBean.setAttendance_status("Date : " + cursor.getString(4));
    list.add(attendanceBean);

    }while(cursor.moveToNext());
}

return list;
}

public ArrayList<AttendanceBean> getAllAttendanceByStudent()
{
    ArrayList<AttendanceBean> list = new ArrayList<AttendanceBean>();

    SQLiteDatabase db = this.getWritableDatabase();
    String query = "SELECT attendance_student_id,count(*) FROM attendance_table where attendance_status='P' group by attendance_student_id";

    Log.d("query", query);

    Cursor cursor = db.rawQuery(query, null);

    if(cursor.moveToFirst())
    {
        do{
            Log.d("studentId","studentId:"+cursor.getString(0)+" , Count:"+cursor.getString(1));
            AttendanceBean attendanceBean = new AttendanceBean();
            attendanceBean.setAttendance_student_id(Integer.parseInt(cursor.getString(0)));
            attendanceBean.setAttendance_session_id(Integer.parseInt(cursor.getString(1)));
            list.add(attendanceBean);

        }while(cursor.moveToNext());
    }
    return list;
}

/*public ArrayList<AttendanceBean> getAllAttendanceBySessionID(int sessionId)
{
    ArrayList<AttendanceBean> list = new ArrayList<AttendanceBean>();

    SQLiteDatabase db = this.getWritableDatabase();
    String query = "SELECT * FROM attendance_table where attendance_session_id=" +
sessionId;
    Cursor cursor = db.rawQuery(query, null);

    if(!cursor.moveToFirst())

```

```

{
    do{
        AttendanceBean attendanceBean = new AttendanceBean();
        attendanceBean.setAttendance_session_id(Integer.parseInt(cursor.getString(0)));
        attendanceBean.setAttendance_student_id(Integer.parseInt(cursor.getString(1)));
        attendanceBean.setAttendance_status(cursor.getString(2));
        list.add(attendanceBean);

    }while(cursor.moveToNext());
    }
    return list;
}*/

// Creating Tables
/*@Override
public void onCreate(SQLiteDatabase db) {
    String CREATE_User_Info_TABLE = "CREATE TABLE " + TABLE_INFO_USER + "("
        + KEY_ID + " INTEGER PRIMARY KEY, " + KEY_FIRSTNAME + " TEXT, " +
        KEY_LASTNAME + " TEXT, " + KEY_MO_NO + " TEXT, "
        + KEY_EMAIL + " TEXT, " + KEY_USERNAME + " TEXT, " + KEY_PASSWORD + "
        TEXT " + ")";

    Log.d("rupali",CREATE_User_Info_TABLE );
    db.execSQL(CREATE_User_Info_TABLE);
}

// Upgrading database
@Override
public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {
    // Drop older table if existed
    db.execSQL("DROP TABLE IF EXISTS " + TABLE_INFO_USER);

    // Create tables again
    onCreate(db);
}

*/**
* All CRUD(Create, Read, Update, Delete) Operations
**/*

void addUserInfo(UserInfo userinfo) {
    SQLiteDatabase db = this.getWritableDatabase();

    ContentValues values = new ContentValues();
    values.put(KEY_FIRSTNAME, userinfo.getUser_Firstname()); // Name
    values.put(KEY_LASTNAME, userinfo.getUser_Lastname()); // Name
    values.put(KEY_MO_NO, userinfo.getUser_MobileNo()); // Contact Phone

```

```

values.put(KEY_EMAIL, userinfo.getUser_EmailId());
values.put(KEY_USERNAME, userinfo.getUser_Username());
values.put(KEY_PASSWORD, userinfo.getUser_Password());

// Inserting Row
db.insert(TABLE_INFO_USER, null, values);
//2nd argument is String containing nullColumnHack
db.close(); // Closing database connection
}

// Getting single contact
UserInfo getUserInfo(int id) {
    SQLiteDatabase db = this.getReadableDatabase();

    Cursor cursor = db.query(TABLE_INFO_USER, new String[] { KEY_ID,
        KEY_FIRSTNAME, KEY_LASTNAME, KEY_MO_NO, KEY_EMAIL,
        KEY_USERNAME, KEY_PASSWORD }, KEY_ID + "=?",
        new String[] { String.valueOf(id) }, null, null, null, null);
    if (cursor != null)
        cursor.moveToFirst();

    UserInfo userinfo = new UserInfo(Integer.parseInt(cursor.getString(0)),
        cursor.getString(1), cursor.getString(2), cursor.getString(3),
        cursor.getString(4), cursor.getString(5), cursor.getString(6));
    // return contact
    return userinfo;
}

public UserInfo validateUser(String username, String password)
{
    SQLiteDatabase db = this.getReadableDatabase();
    String query = "Select * from User_Info_Table WHERE User_Username='"+ username +'"
AND User_Password='"+password+"'";
    Log.d("Rupali", "Login QUERY:" + query);

    Cursor cursor = db.rawQuery(query, null);

    if(!cursor.moveToFirst())
    {
        Log.d("Rupali", "cursor is null.. returning NULL");
        return null;
    }
    Log.d("Rupali", "cursor is NOT null.. we got user data...");

    UserInfo userinfo = new UserInfo(Integer.parseInt(cursor.getString(0)),
        cursor.getString(1), cursor.getString(2), cursor.getString(3),
        cursor.getString(4), cursor.getString(5), cursor.getString(6));

    return userinfo;
}

```

```

}

// Updating single contact
public int updateUserPassword(UserInfo userinfo) {
    SQLiteDatabase db = this.getWritableDatabase();

    ContentValues values = new ContentValues();
    values.put(KEY_PASSWORD, userinfo.getUser_Password());

    // updating row
    return db.update(TABLE_INFO_USER, values, KEY_ID + " = ?",
        new String[] { String.valueOf(userinfo.getUser_id()) });
}

public int updateUserContact(UserInfo userinfo) {
    SQLiteDatabase db = this.getWritableDatabase();

    ContentValues values = new ContentValues();
    values.put(KEY_MO_NO, userinfo.getUser_MobileNo());
    values.put(KEY_EMAIL, userinfo.getUser_EmailId());

    // updating row
    return db.update(TABLE_INFO_USER, values, KEY_ID + " = ?",
        new String[] { String.valueOf(userinfo.getUser_id()) });
}

//view details

public UserInfo viewUserInfo(String id) {
    SQLiteDatabase db = this.getReadableDatabase();

    String query = "Select * from User_Info_Table WHERE id='"+id+"'";
    Cursor cursor = db.rawQuery(query, null);
    if(!cursor.moveToFirst())
    {
        Log.d("Rupali", "cursor is null.. returing NULL");
        return null;
    }
    Log.d("Rupali", "cursor is NOT null.. we got user data...");

    UserInfo userinfo = new UserInfo(Integer.parseInt(cursor.getString(0)),
        cursor.getString(1), cursor.getString(2), cursor.getString(3),
        cursor.getString(4), cursor.getString(5), cursor.getString(6));
    // return contact
    return userinfo;
}

```

```

// Getting All users
public List<UserInfo> getAllUserInfo() {
    List<UserInfo> userinfolist = new ArrayList<UserInfo>();
    // Select All Query
    String selectQuery = "SELECT * FROM " + TABLE_INFO_USER;

    SQLiteDatabase db = this.getWritableDatabase();
    Cursor cursor = db.rawQuery(selectQuery, null);

    // looping through all rows and adding to list
    if (cursor.moveToFirst()) {
        do {

            UserInfo userinfo=new UserInfo();

            userinfo.setUser_id(Integer.parseInt(cursor.getString(0)));
            userinfo.setUser_Lastname(cursor.getString(2));
            userinfo.setUser_Username(cursor.getString(5));
            userinfo.setUser_Firstname(cursor.getString(1));


            // Adding contact to list
            userinfolist.add(userinfo);
        } while (cursor.moveToNext());
    }

    // return contact list
    return userinfolist;
}

// Deleting single contact
public void deleteUser(UserInfo userinfo) {
    SQLiteDatabase db = this.getWritableDatabase();
    db.delete(TABLE_INFO_USER, KEY_ID + " = ?",
        new String[] { String.valueOf(userinfo.getUser_id()) });
    db.close();
}
*/
}

```

**.xml files**

#### listview\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical"
    android:background="@drawable/clg">

    <ListView
        android:id="@+id/listview"
        android:layout_width="wrap_content"
        android:layout_height="match_parent" >
    </ListView>

</LinearLayout>
```

#### activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical"
    android:background="@drawable/clg">

    <ListView
        android:id="@+id/listview"
        android:layout_width="wrap_content"
        android:layout_height="match_parent" >
    </ListView>

</LinearLayout>
```

#### add\_attendance.xml

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/clg"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context=".MainActivity" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
android:layout_alignParentLeft="true"
android:layout_marginLeft="16dp"
android:text="Select Department"
android:textColor="#000000"
android:layout_marginTop="75dp"
android:textAppearance="?android:attr/textAppearanceSmall" />
```

```
<Spinner
    android:id="@+id/spinner1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_marginLeft="56dp"
    android:layout_marginTop="68dp"
    android:layout_toRightOf="@+id/textView1" />
```

```
<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/spinner1"
    android:layout_marginTop="10dp"
    android:layout_toLeftOf="@+id/spinner1"
    android:text="Select Year"
    android:textAppearance="?android:attr/textAppearanceSmall" />
```

```
<Spinner
    android:id="@+id/spinnerSE"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/spinneryear"
    android:layout_below="@+id/spinneryear" />
```

```
<Spinner
    android:id="@+id/spinneryear"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/spinner1"
    android:layout_below="@+id/spinner1" />
```

```
<EditText
    android:id="@+id/DateEditText"
    android:layout_width="150dp"
    android:layout_height="wrap_content"
    android:layout_alignTop="@+id/DateImageButton"
    android:layout_toLeftOf="@+id/spinnerSE"
    android:background="#ffffff"
    android:hint="Select Date "
    android:paddingLeft="26dp"
    android:layout_marginTop="10dp"
    android:editable="false"
```



```

        android:ems="10" >

        <requestFocus />
    </EditText>

    <ImageButton
        android:id="@+id/DateImageButton"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignLeft="@+id/spinnerSE"
        android:layout_below="@+id/spinnerSE"
        android:layout_marginLeft="14dp"
        android:layout_marginTop="22dp"
        android:cropToPadding="true"
        android:src="@drawable/calendar_icon" />

    <Button
        android:id="@+id/buttonsubmit"
        style="?android:attr/buttonStyleSmall"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentRight="true"
        android:layout_below="@+id/DateImageButton"
        android:layout_marginTop="22dp"
        android:background="@drawable/roundedbutton"
        android:text="Add Attendance" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignLeft="@+id/textView2"
        android:layout_alignTop="@+id/spinnerSE"
        android:layout_marginTop="10dp"
        android:text="Subject"
        android:textAppearance="?android:attr/textAppearanceSmall" />

    <Button
        android:id="@+id/viewTotalAttendanceButton"
        style="?android:attr/buttonStyleSmall"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout_alignParentRight="true"
        android:background="@drawable/roundedbutton"
        android:text="View Total Attendance" />

    <Button
        android:id="@+id/viewAttendancebutton"
        style="?android:attr/buttonStyleSmall"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"

```

```
android:layout_above="@+id/button1"
android:layout_alignParentLeft="true"
android:layout_marginBottom="35dp"
android:background="@drawable/roundedbutton"
android:text="View Attendance" />
```

```
</RelativeLayout>
```

#### add\_student\_attendance.xml

```
<?xml version="1.0" encoding="utf-8"?>

<TextView xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/labelA"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:padding="10dp"
    android:textSize="16sp"
    android:textStyle="bold" >
</TextView>
```

#### addfaculty.xml

```
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/clg"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin" >

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="700dp" >
        <ImageView
            android:layout_width="50dp"
            android:layout_height="50dp"
            android:layout_alignParentLeft="true"
            android:layout_alignParentTop="true"
            android:layout_centerHorizontal="true"
            android:layout_centerVertical="true"
            android:layout_marginLeft="50dp"
            android:layout_marginTop="50dp"

            android:src="@drawable/register"
            android:contentDescription="@string/registration"
            android:layout_marginStart="150dp"
            android:layout_alignParentStart="true" />
```

```

<TextView
    android:id="@+id/textViewFormName"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="50dp"
    android:text="@string/registration"
    android:textColor="#7842f5"
    android:textSize="30sp"
    android:textStyle="bold" />

<TextView
    android:id="@+id/textViewFirstName"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:paddingStart="10dp"
    android:paddingLeft="10dp"
    android:layout_marginTop="120dp"
    android:text="@string/firstname"
    android:textColor="#000000"
    android:textSize="20sp"
    android:textStyle="bold"
    tools:ignore="RtlSymmetry" />

<requestFocus />

<EditText
    android:id="@+id/editTextFirstName"
    android:layout_width="match_parent"
    android:layout_height="30dp"
    android:background="@drawable/roundedtextview"
    android:ems="10"
    android:layout_marginTop="150dp"
    android:hint="@string/enter_firstname"
    android:inputType="textPersonName"
    android:paddingLeft="15dp"
    android:autofillHints=""
    android:paddingStart="15dp"
    tools:ignore="RtlSymmetry" />

<TextView
    android:id="@+id/textViewLastName"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:paddingStart="10dp"
    android:paddingLeft="10dp"
    android:layout_marginTop="190dp"
    android:text="@string/lastname"
    android:textColor="#000000"
    android:textSize="20sp"
    android:textStyle="bold"

```

```
tools:ignore="RtlSymmetry" />
```

```
<EditText
```

```
    android:id="@+id/editTextLastName"  
    android:layout_width="match_parent"  
    android:layout_height="30dp"  
    android:background="@drawable/roundedtextview"  
    android:ems="10"  
    android:layout_marginTop="220dp"  
    android:hint="@string/enter_lastname"  
    android:inputType="textPersonName"  
    android:paddingLeft="15dp"  
    android:paddingStart="15dp"  
    tools:ignore="RtlSymmetry"  
    android:autofillHints="" />
```

```
<TextView
```

```
    android:id="@+id/textViewEmail"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_alignParentLeft="true"  
    android:layout_below="@+id/editTextLastName"  
    android:layout_marginTop="10dp"  
    android:text=""  
    android:textColor="#FFFFFF"  
    android:layout_alignParentStart="true" />
```

```
<EditText
```

```
    android:id="@+id/editTextPhone"  
    android:layout_width="match_parent"  
    android:layout_height="30dp"  
    android:background="@drawable/roundedtextview"  
    android:ems="10"  
    android:layout_marginTop="290dp"  
    android:hint="@string/enter_mobile_number"  
    android:inputType="phone"  
    android:paddingLeft="15dp"  
    android:autofillHints=""  
    android:paddingStart="15dp"  
    tools:ignore="RtlSymmetry" />
```

```
<TextView
```

```
    android:id="@+id/textViewUserName"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:paddingLeft="10dp"  
    android:layout_marginTop="330dp"  
    android:text="@string/address"  
    android:textColor="#000000"  
    android:textSize="20sp"  
    android:textStyle="bold"  
    android:paddingStart="10dp"
```

```
tools:ignore="RtlSymmetry" />
```

```
<Button
```

```
    android:id="@+id/Cancel_Button"  
    android:layout_width="100dp"  
    android:layout_height="40dp"  
    android:layout_marginTop="600dp"  
    android:layout_marginLeft="200dp"  
    android:textSize="20sp"  
    android:textStyle="bold"  
    android:background="@drawable/roundedbuttonlog"  
    android:text="@string/cancel"  
    android:textColor="#ffffff"  
    android:layout_marginStart="200dp" />
```

```
<Button
```

```
    android:id="@+id/RegisterButton"  
    android:layout_width="100dp"  
    android:layout_height="40dp"  
    android:textStyle="bold"  
    android:textSize="20sp"  
    android:layout_marginLeft="50dp"  
    android:layout_marginTop="600dp"  
    android:background="@drawable/roundedbutton"  
    android:text="@string/submit"  
    android:textColor="#ffffff"  
    android:layout_marginStart="50dp" />
```

```
<TextView
```

```
    android:id="@+id/MessageforRegister"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_below="@+id/RegisterButton"  
    android:layout_marginTop="54dp"  
    android:layout_toRightOf="@+id/textViewUserName"  
    android:text=""  
    android:textColor="#FFFFFF"  
    android:layout_toEndOf="@+id/textViewUserName" />
```

```
<EditText
```

```
    android:id="@+id/editTextPassword"  
    android:layout_width="match_parent"  
    android:layout_height="30dp"  
    android:layout_centerHorizontal="true"  
    android:layout_marginTop="550dp"  
    android:background="@drawable/roundedtextview"  
    android:ems="10"  
    android:hint="@string/enter_password"  
    android:inputType="textPassword"  
    android:paddingLeft="15dp"  
    android:autofillHints=""  
    android:paddingStart="15dp"
```

```
tools:ignore="RtlSymmetry" />
```

```
<EditText
```

```
    android:id="@+id/editTextUserName"  
    android:layout_width="match_parent"  
    android:layout_height="30dp"  
    android:layout_marginTop="490dp"  
    android:background="@drawable/roundedtextview"  
    android:ems="10"  
    android:hint="@string/enter_username"  
    android:inputType="textPersonName"  
    android:paddingLeft="15dp"  
    android:autofillHints=""  
    android:paddingStart="15dp"  
    tools:ignore="RtlSymmetry" />
```

```
<TextView
```

```
    android:id="@+id/textViewPassword"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:paddingLeft="10dp"  
    android:layout_marginTop="520dp"  
    android:text="@string/password"  
    android:textColor="#000000"  
    android:textSize="20sp"  
    android:textStyle="bold"  
    android:paddingStart="10dp"  
    tools:ignore="RtlSymmetry" />
```

```
<EditText
```

```
    android:id="@+id/editTextaddr"  
    android:layout_width="match_parent"  
    android:layout_height="80dp"  
    android:layout_marginTop="370dp"  
    android:background="@drawable/roundedtextview"  
    android:ems="10"  
    android:paddingLeft="15dp"  
    android:hint="@string/enter_address"  
    android:inputType="textMultiLine"  
    android:lines="10"  
    android:paddingStart="15dp"  
    tools:ignore="RtlSymmetry"  
    android:autofillHints="" />
```

```
<TextView
```

```
    android:id="@+id/textViewPhone"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
  
    android:layout_marginTop="240dp"  
    android:paddingStart="10dp"  
    android:paddingLeft="10dp"
```

```
android:paddingTop="20dp"
android:text="@string/mobile_number"
android:textColor="#000000"
android:textSize="20sp"
android:textStyle="bold"
tools:ignore="RtlSymmetry" />
```

```
<TextView
    android:id="@+id/textView1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:paddingLeft="10dp"
    android:layout_marginTop="460dp"
    android:text="@string/username"
    android:textAppearance="?android:attr/textAppearanceSmall"
    android:textColor="#000000"
    android:textSize="20sp"
    android:textStyle="bold"
    android:paddingStart="10dp"
    tools:ignore="RtlSymmetry" />
```

```
</RelativeLayout>
```

```
</ScrollView>
```

#### addstudent.xml

```
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/clg"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin" >
```

```
<RelativeLayout
    android:layout_width="match_parent"
    android:layout_height="700dp" >
    <ImageView
        android:layout_width="50dp"
        android:layout_height="50dp"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_centerVertical="true"
        android:layout_marginLeft="50dp"
        android:layout_marginTop="50dp"
```

```
        android:src="@drawable/register"
```

```

        android:contentDescription="@string/registration"
        android:layout_marginStart="150dp"
        android:layout_alignParentStart="true" />
<TextView
    android:id="@+id/textViewFormName"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="50dp"
    android:text="@string/registration"
    android:textColor="#7842f5"
    android:textSize="30sp"
    android:textStyle="bold" />

<TextView
    android:id="@+id/textViewFirstName"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentLeft="true"
    android:layout_below="@+id/textViewFormName"
    android:layout_marginTop="20dp"
    android:text="@string/firstname"
    android:textColor="#000000"
    android:textSize="20sp"
    android:textStyle="bold"
    android:paddingLeft="10sp"
    android:layout_alignParentStart="true"
    android:paddingStart="10sp"
    tools:ignore="RtlSymmetry" />

<requestFocus />

<EditText
    android:id="@+id/editTextFirstName"
    android:layout_width="match_parent"
    android:layout_height="35dp"
    android:layout_alignParentLeft="true"
    android:layout_below="@+id/textViewFirstName"
    android:layout_marginTop="5dp"
    android:background="@drawable/roundedtextview"
    android:ems="10"
    android:hint="@string/enter_firstname"
    android:inputType="textPersonName"
    android:paddingLeft="15dp"
    android:layout_alignParentStart="true"
    android:paddingStart="15dp"
    tools:ignore="RtlSymmetry"
    android:autofillHints="" />

<TextView
    android:id="@+id/textViewLastName"

```



```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignLeft="@+id/editTextFirstName"
android:layout_below="@+id/editTextFirstName"
android:layout_marginTop="15dp"
android:text="@string/lastname"
android:textColor="#000000"
android:textSize="20sp"
android:textStyle="bold"
android:paddingLeft="10sp"
android:paddingStart="10sp"
tools:ignore="RtlSymmetry"
android:layout_alignStart="@+id/editTextFirstName" />
```

<EditText

```
android:id="@+id/editTextLastName"
android:layout_width="match_parent"
android:layout_height="35dp"
android:layout_alignLeft="@+id/textViewLastName"
android:layout_below="@+id/textViewLastName"
android:layout_marginTop="5dp"
android:background="@drawable/roundedtextview"
android:ems="10"
android:hint="@string/enter_lastname"
android:inputType="textPersonName"
android:paddingLeft="15dp"
android:paddingStart="15dp"
tools:ignore="RtlSymmetry"
android:autoFillHints=""
android:layout_alignStart="@+id/textViewLastName" />
```

<TextView

```
android:id="@+id/textViewPhone"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_below="@+id/editTextLastName"
android:layout_marginTop="15dp"
android:text="@string/contact_number"
android:textColor="#000000"
android:textSize="20sp"
android:textStyle="bold"
android:paddingLeft="10sp"
android:paddingStart="10sp"
tools:ignore="RtlSymmetry" />
```

<EditText

```
android:id="@+id/editTextPhone"
android:layout_width="match_parent"
android:layout_height="35dp"
android:layout_below="@+id/textViewPhone"
android:layout_centerHorizontal="true"
android:layout_marginTop="5dp"
```

```
android:background="@drawable/roundedtextview"  
android:ems="10"  
android:hint="@string/enter_contact_number"  
android:inputType="phone"  
android:paddingLeft="15dp"  
android:paddingStart="15dp"  
tools:ignore="RtlSymmetry"  
android:autofillHints="" />
```

```
<TextView  
    android:id="@+id/textViewUserName"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_alignLeft="@+id/editTextPhone"  
    android:layout_below="@+id/editTextPhone"  
    android:layout_marginTop="15dp"  
    android:text="@string/address"  
    android:textColor="#000000"  
    android:textSize="20sp"  
    android:textStyle="bold"  
    android:paddingLeft="10sp"  
    android:layout_alignStart="@+id/editTextPhone"  
    android:paddingStart="10sp"  
    tools:ignore="RtlSymmetry" />
```

```
<Button  
    android:id="@+id/Cancel_Button"  
    android:layout_width="130dp"  
    android:layout_height="50dp"  
    android:layout_above="@+id/MessageforRegister"  
    android:layout_alignParentRight="true"  
    android:layout_marginRight="18dp"  
    android:textSize="25sp"  
    android:textStyle="bold"  
    android:background="@drawable/roundedbuttonlog"  
    android:text="@string/cancel"  
    android:textColor="#ffffff"  
    android:layout_alignParentEnd="true"  
    android:layout_marginEnd="18dp" />
```

```
<TextView  
    android:id="@+id/MessageforRegister"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_below="@+id/RegisterButton"  
    android:layout_marginTop="54dp"  
    android:layout_toRightOf="@+id/textViewUserName"  
    android:text=""  
    android:textColor="#FFFFFF"  
    android:layout_toEndOf="@+id/textViewUserName" />
```

```
<TextView
```

```
android:id="@+id/textViewPassword"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentLeft="true"
android:layout_below="@+id/textViewUserName"
android:layout_marginTop="14dp"
android:text=""
android:textColor="#FFFFFF"
android:layout_alignParentStart="true" />
```

#### <EditText

```
android:id="@+id/editTextaddr"
android:layout_width="match_parent"
android:layout_height="120dp"
android:layout_alignParentRight="true"
android:layout_below="@+id/textViewUserName"
android:background="@drawable/roundedtextview"
android:ems="10"
android:paddingLeft="15dp"
android:hint="@string/enter_address"
android:layout_alignParentEnd="true"
android:paddingStart="15dp"
tools:ignore="RtlSymmetry"
android:autofillHints=""
android:inputType="textMultiLine"
android:lines="10"
/>
```

#### <TextView

```
android:id="@+id/textView1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentLeft="true"
android:layout_marginTop="100dp"
android:layout_below="@+id/textViewPassword"
android:text="@string/select_department"
android:textAppearance="?android:attr/textAppearanceSmall"
android:textColor="#000000"
android:textSize="20sp"
android:textStyle="bold"
android:paddingLeft="10sp"
android:layout_alignParentStart="true"
android:paddingStart="10sp"
tools:ignore="RtlSymmetry" />
```

#### <Spinner

```
android:id="@+id/spinnerdept"
android:layout_width="100dp"
android:layout_height="wrap_content"
android:layout_marginTop="-35dp"
android:layout_marginLeft="200dp"
android:layout_alignParentLeft="true"
```

```

        android:layout_below="@+id/textView1"
        android:layout_alignParentStart="true"
        android:layout_marginStart="200dp" />

<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="560dp"
    android:layout_marginLeft="10dp"

    android:text="@string/select_year"
    android:textAppearance="?android:attr/textAppearanceSmall"
    android:textColor="#000000"

    android:textStyle="bold"
    android:textSize="20sp"

    tools:ignore="RtlSymmetry"
    android:layout_marginStart="10dp" />

<Spinner
    android:id="@+id/spinneryear"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="560dp"
    android:layout_marginLeft="130dp"
    android:layout_marginStart="130dp" />

<Button
    android:id="@+id/RegisterButton"
    android:layout_width="130dp"
    android:layout_height="50dp"
    android:layout_below="@+id/spinneryear"
    android:layout_marginTop="15dp"
    android:layout_marginLeft="50dp"
    android:background="@drawable/roundedbutton"
    android:text="@string/submit"
    android:textStyle="bold"
    android:textSize="25sp"
    android:textColor="#ffffff"
    android:layout_marginStart="50dp" />
</RelativeLayout>

</ScrollView>

```

listview\_main.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

```

```

    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

    <ListView
        android:id="@+id/listview"
        android:layout_width="fill_parent"
        android:layout_height="403dp" >
    </ListView>

</LinearLayout>

```

### login.xml

```

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:background="@drawable/clg"
    tools:context="com.android.attendance.activity.MainActivity" >

    <ImageView
        android:layout_width="45dp"
        android:layout_height="45dp"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_centerVertical="true"
        android:layout_marginLeft="90dp"
        android:layout_marginTop="50dp"

        android:src="@drawable/login"
        android:contentDescription="@string/login"
        android:layout_marginStart="150dp"
        android:layout_alignParentStart="true" />

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="50dp"
        android:text="@string/login"
        android:textAppearance="?android:attr/textAppearanceLarge"
        android:textColor="#4287f5"

```

```
android:textSize="32sp"  
android:textStyle="bold" />
```

```
<TextView  
    android:id="@+id/textView4"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_centerHorizontal="true"  
    android:layout_marginTop="120dp"  
    android:text="@string/select_role"  
    android:textAppearance="?android:attr/textAppearanceLarge"  
    android:textColor="#4034eb"  
    android:textSize="25sp"  
    android:textStyle="bold" />
```

```
<EditText  
    android:id="@+id/editTextpassword"  
    android:layout_width="wrap_content"  
    android:layout_height="40dp"  
    android:layout_centerHorizontal="true"  
    android:layout_marginTop="330dp"  
    android:autofillHints="Enter Password"  
    android:hint="@string/enter_password"  
    android:background="@drawable/roundedtextview"  
    android:ems="10"  
    android:paddingLeft="25dp"  
    android:inputType="textPassword"  
    tools:ignore="LabelFor,RtlSymmetry"  
    android:paddingStart="25dp" />
```

```
<TextView  
    android:id="@+id/textView3"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_centerHorizontal="true"  
    android:layout_marginTop="300dp"  
    android:text="@string/password"  
    android:textAppearance="?android:attr/textAppearanceMedium"  
    android:textColor="#4034eb"  
    android:textSize="25sp" />
```

```
<TextView  
    android:id="@+id/textView2"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_centerHorizontal="true"  
    android:layout_marginTop="220dp"  
    android:text="@string/username"  
    android:textAppearance="?android:attr/textAppearanceMedium"  
    android:textColor="#4034eb"  
    android:textSize="25sp" />
```

```

<EditText
    android:id="@+id/editTextusername"
    android:layout_width="wrap_content"
    android:layout_height="40dp"

    android:layout_centerHorizontal="true"
    android:layout_marginTop="250dp"
    android:autofillHints="Enter Username"
    android:hint="@string/enter_username"
    android:background="@drawable/roundedtextview"
    android:ems="10"
    android:paddingLeft="25dp"
    android:inputType="text"
    tools:ignore="LabelFor,RtlSymmetry"
    android:paddingStart="25dp">

    <requestFocus />
</EditText>

<Spinner
    android:id="@+id/spinnerloginas"
    android:layout_width="150dp"
    android:layout_height="50dp"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="150dp"
    android:textColor="@android:color/holo_blue_bright"
    android:textSize="25sp" />

<Button
    android:id="@+id/buttonlogin"
    android:layout_width="210dp"
    android:layout_height="38dp"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="400dp"
    android:background="@drawable/roundedbutton"
    android:textColor="@android:color/white"
    android:text="@string/login"
    android:textStyle="bold"
    android:textSize="23sp"/>

</RelativeLayout>

```

#### menu.xml

```

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/clg"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"

```

```
android:paddingRight="@dimen/activity_horizontal_margin"
android:paddingTop="@dimen/activity_vertical_margin"
tools:context="com.android.attendance.activity.MainActivity" >
```

```
<Button
    android:id="@+id/buttonViewstudent"
    android:layout_width="180dp"
    android:layout_height="100dp"
    android:layout_marginLeft="200dp"
    android:background="@drawable/roundedbutton"
    android:text="@string/view_student"
    android:layout_marginStart="200dp"
    android:textSize="20sp"
    android:textStyle="bold"
    android:textColor="@android:color/white"/>
```

```
<Button
    android:id="@+id/buttonlogout"
    android:layout_width="match_parent"
    android:layout_height="50dp"
    android:layout_alignParentBottom="true"
    android:background="@drawable/roundedbuttonlog"
    android:text="@string/logout"
    android:textSize="24sp"
    android:textStyle="bold"
    android:textColor="@android:color/white"/>
```

```
<Button
    android:id="@+id/buttonviewfaculty"
    android:layout_width="180dp"
    android:layout_height="100dp"
    android:layout_marginTop="250dp"
    android:layout_marginLeft="200dp"
    android:background="@drawable/roundedbutton1"
    android:text="@string/view_faculty"
    android:layout_marginStart="200dp"
    android:textSize="20sp"
    android:textStyle="bold"
    android:textColor="@android:color/black"/>
```

```
<Button
    android:id="@+id/buttonaddfaculty"
    android:layout_width="180dp"
    android:layout_height="100dp"
    android:layout_marginTop="250dp"
    android:background="@drawable/roundedbutton1"
    android:text="@string/add_faculty"
    android:textSize="20sp"
    android:textStyle="bold"
    android:textColor="@android:color/black"/>
```

```
<Button
```



```

        android:id="@+id/buttonaddstudent"
        android:layout_width="180dp"
        android:layout_height="100dp"
        android:background="@drawable/roundedbutton"
        android:text="@string/add_student"
        android:textSize="20sp"
        android:textStyle="bold"
        android:textColor="@android:color/white"/>

```

```

<Button
    android:id="@+id/attendancePerStudentButton"
    android:layout_width="match_parent"
    android:layout_height="100dp"
    android:layout_marginTop="120dp"
    android:background="@drawable/roundedbutton"
    android:text="@string/attendance_per_student"
    android:textSize="20sp"
    android:textStyle="bold"
    android:textColor="@android:color/white"/>

```

```

<Button
    android:id="@+id/smsbutton"
    android:layout_width="match_parent"
    android:layout_height="100dp"
    android:background="@drawable/roundedbutton"
    android:text="Send Attendance to Students"
    android:textSize="20sp"
    android:textStyle="bold"
    android:layout_marginTop="380dp"
    android:onClick="sendMessage"
    android:textColor="@android:color/white"
/>

```

```

</RelativeLayout>

```

test\_layout.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical" >

    <RadioGroup
        android:id="@+id/radioGroup"
        android:layout_width="250dp"
        android:layout_height="120dp"
        android:weightSum="1"
        tools:ignore="UselessParent">

```

```

<RadioButton
    android:id="@+id/PresentradioButton"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:focusable="false"
    android:focusableInTouchMode="false"
    android:text="P" />

<RadioButton
    android:id="@+id/AbsentradioButton"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:focusable="false"
    android:focusableInTouchMode="false"
    android:text="A" />

<Button
    android:id="@+id/attendanceSubmitButton"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:background="@drawable/roundedbutton"
    android:text="Submit" />

</RadioGroup>
</LinearLayout>

```

#### test\_main.xml

```

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context=".TestActivity" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/hello_world" />

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/textView1"
        android:layout_marginTop="129dp"

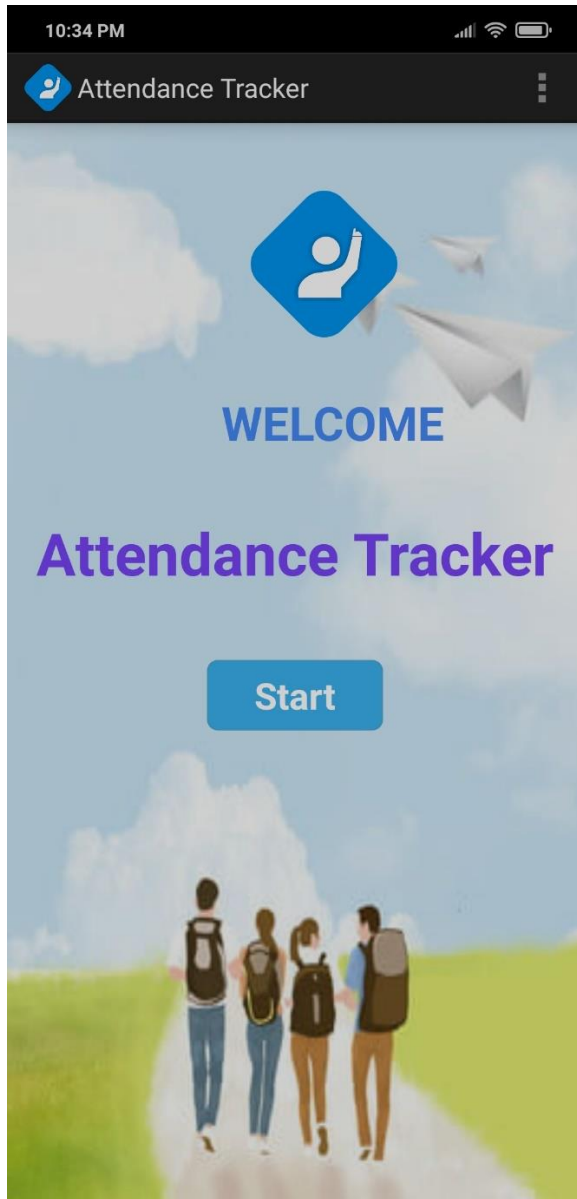
```

```
android:layout_toRightOf="@+id/textView1"  
android:text="Button" />
```

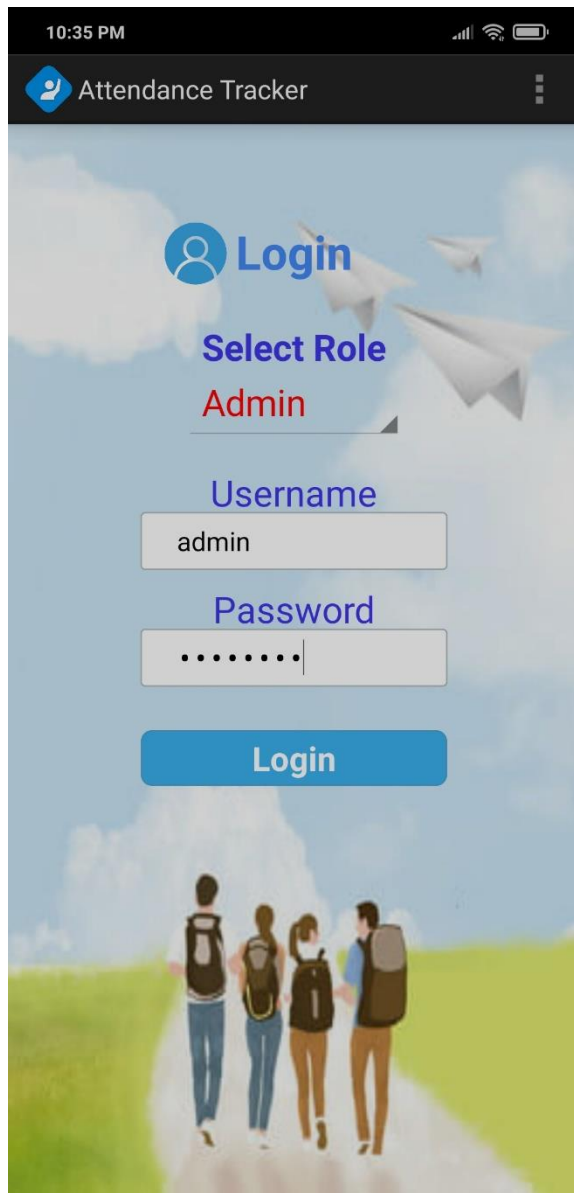
```
</RelativeLayout>
```

## Output Screenshots

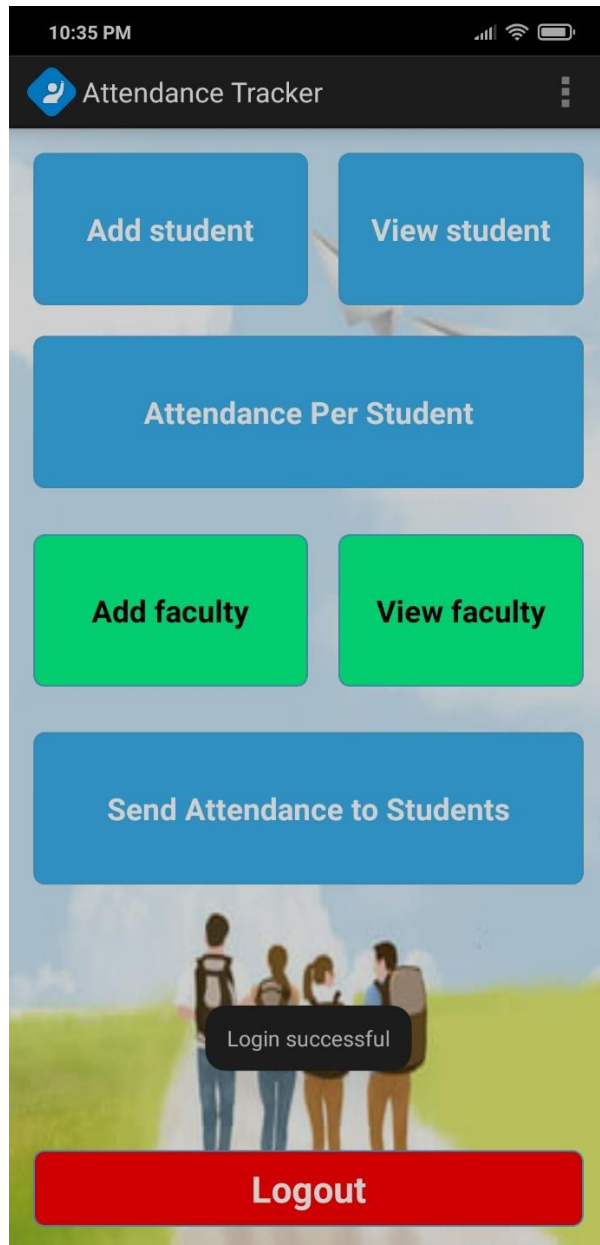
**On Starting the App**



**Login For Admin**



## Admin Menu



10:35 PM

Attendance Tracker

Add student View student

Attendance Per Student

Add faculty View faculty

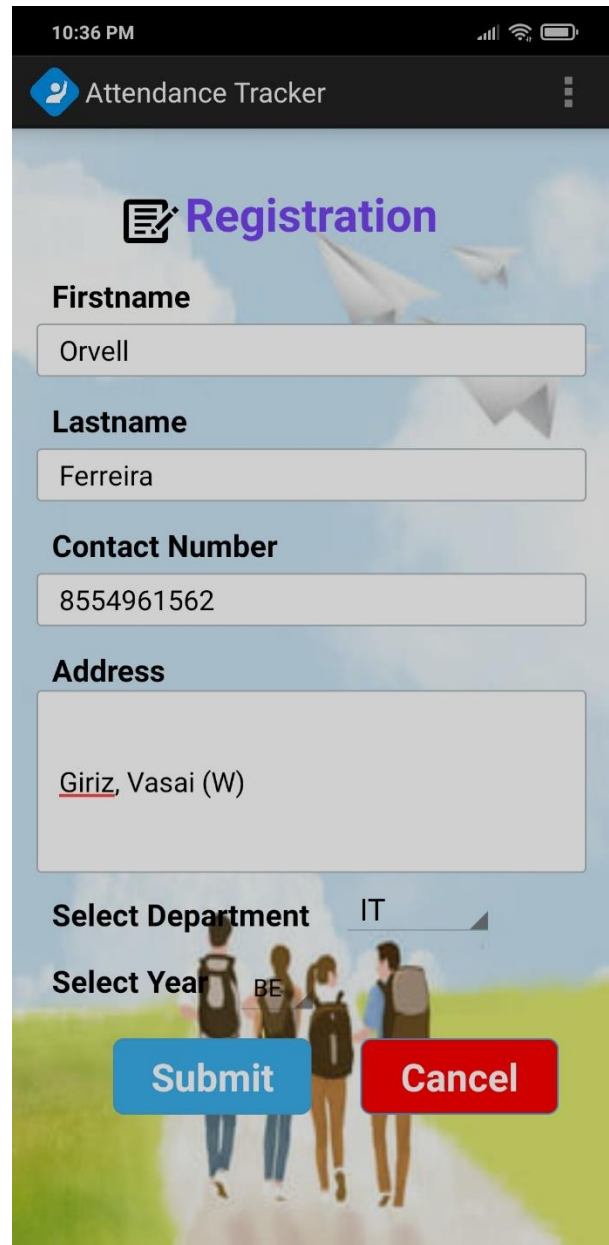
Send Attendance to Students

Login successful

Logout

The screenshot shows the Admin Menu of the Attendance Tracker app. The interface is dark-themed with a header bar containing the time (10:35 PM) and the app name (Attendance Tracker). Below the header, there are several blue buttons for managing students and faculty, a green button for sending attendance, and a red button for logging out. A 'Login successful' message is displayed in the center.

## Add Student



10:36 PM

Attendance Tracker

Registration

Firstname  
Orvell

Lastname  
Ferreira

Contact Number  
8554961562

Address  
Giriz, Vasai (W)

Select Department IT

Select Year BE

Submit Cancel

The screenshot shows the Add Student form of the Attendance Tracker app. The interface is dark-themed with a header bar containing the time (10:36 PM) and the app name (Attendance Tracker). Below the header, there is a 'Registration' section with a list of input fields for student information: Firstname (Orvell), Lastname (Ferreira), Contact Number (8554961562), Address (Giriz, Vasai (W)), Select Department (IT), and Select Year (BE). At the bottom, there are two buttons: 'Submit' (blue) and 'Cancel' (red).

## View Student

Select Branch and Year to Display the Students

12:06

Attendance Tracker

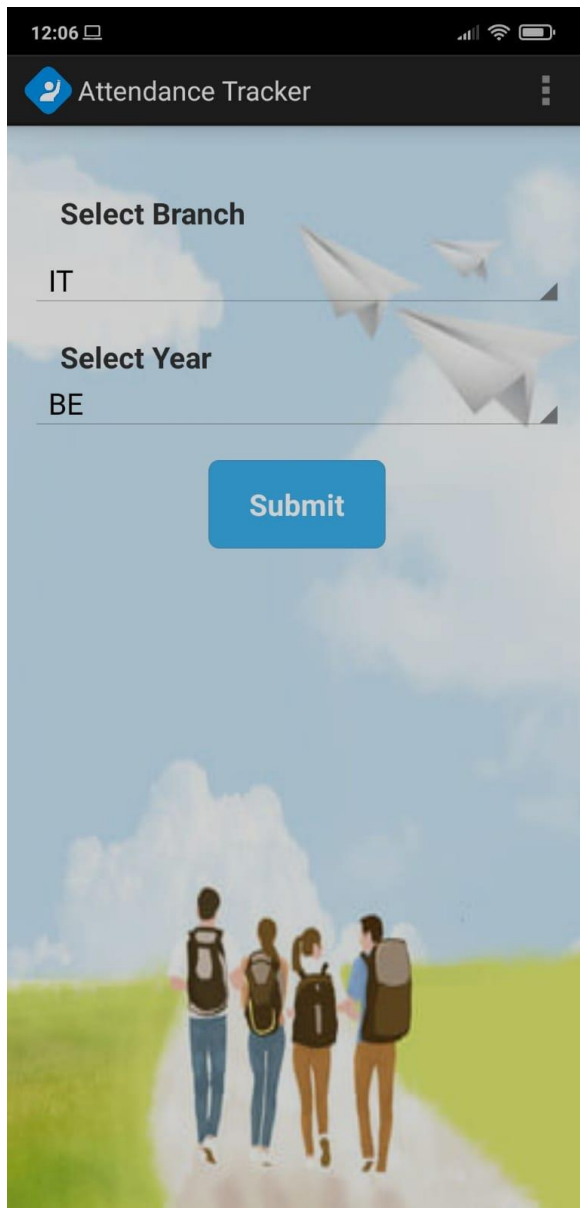
Select Branch

IT

Select Year

BE

Submit

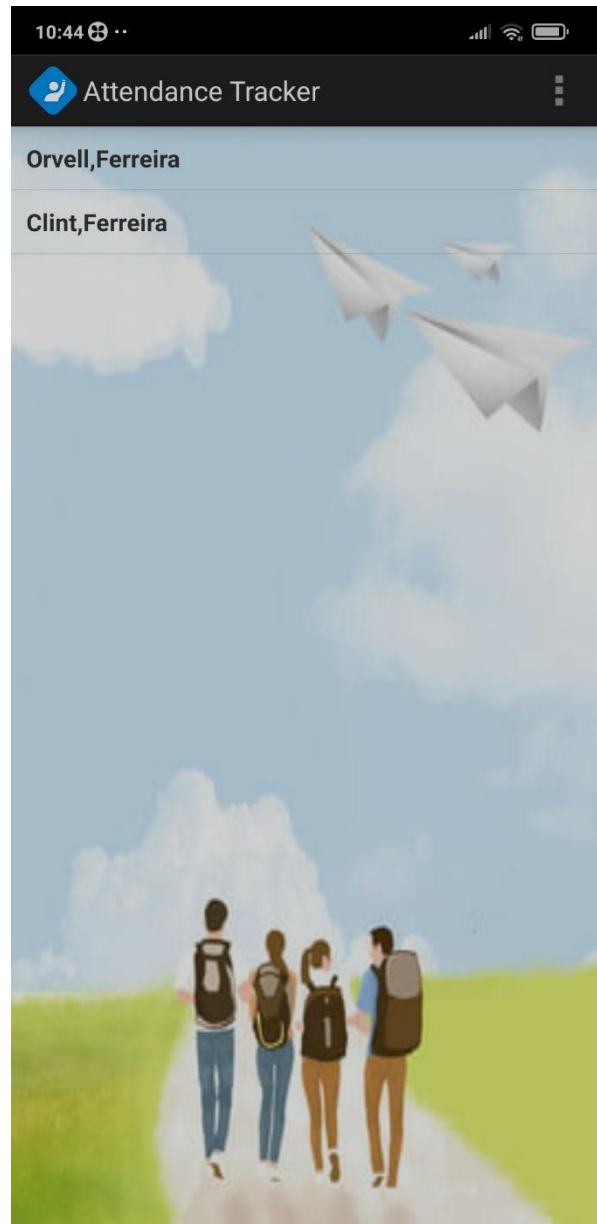


10:44

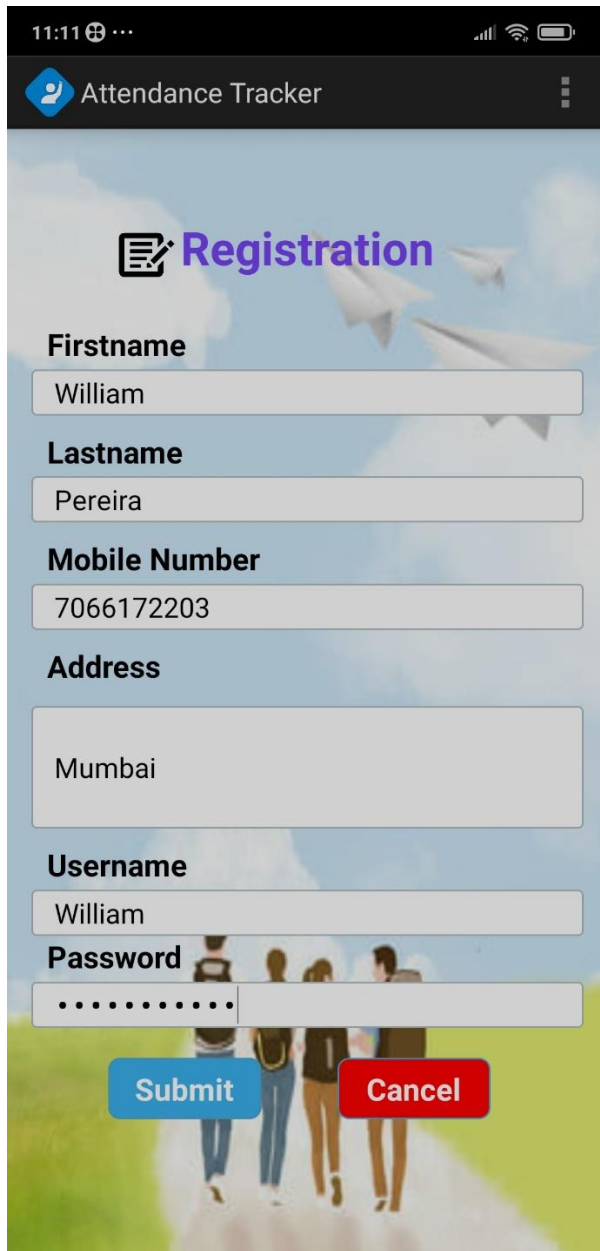
Attendance Tracker

Orvell,Ferreira

Clint,Ferreira




## Faculty Registration



11:11 100% ...

Attendance Tracker

 **Registration**

**Firstname**

**Lastname**

**Mobile Number**

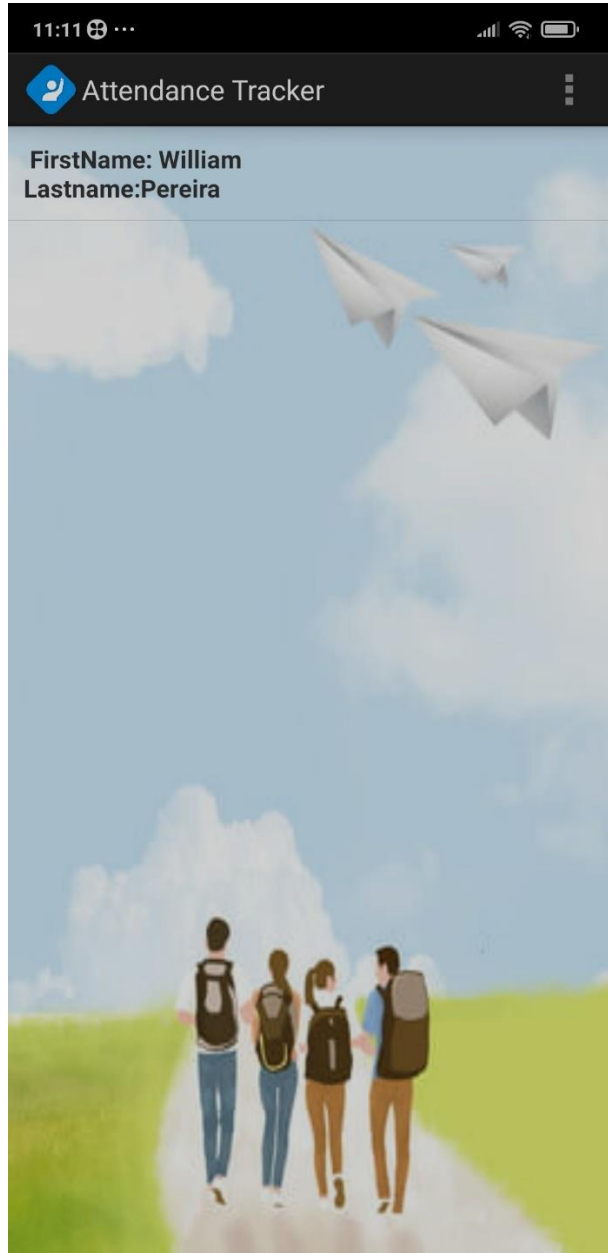
**Address**

**Username**

**Password**

The registration form is displayed on a mobile app interface. The background features a blue sky with white clouds and several white paper airplanes flying. At the bottom, there is an illustration of four people with backpacks walking away on a dirt path through a green field.

## View Faculty



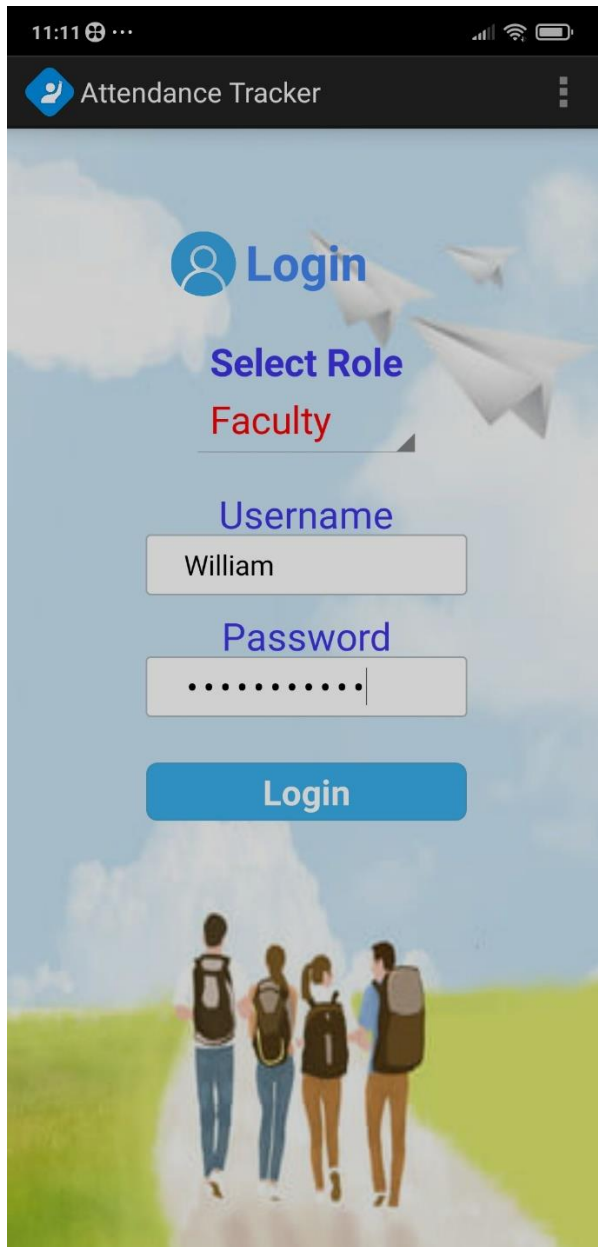
11:11 100% ...

Attendance Tracker

FirstName: William  
Lastname: Pereira


The view faculty screen shows the details of the registered faculty member. The background is the same as the registration screen, featuring a blue sky with white clouds, paper airplanes, and an illustration of four people with backpacks walking away on a dirt path through a green field.

## Faculty Login



11:11

Attendance Tracker

 **Login**

**Select Role**

**Faculty**

**Username**

William

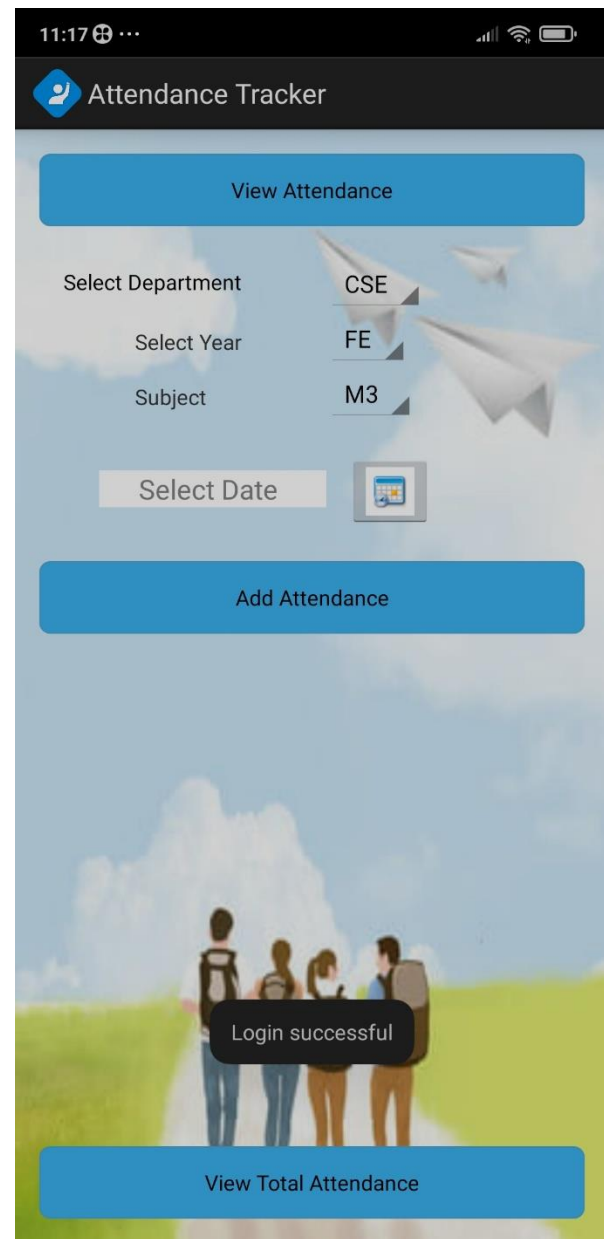
**Password**

.....

**Login**

The background of the login screen features a blue sky with white clouds and several white paper airplanes flying across it. At the bottom, there is an illustration of four students with backpacks walking away on a dirt path through a green field.

## Faculty Menu



11:17


Attendance Tracker

**View Attendance**

Select Department **CSE**

Select Year **FE**

Select Subject **M3**

Select Date 

**Add Attendance**

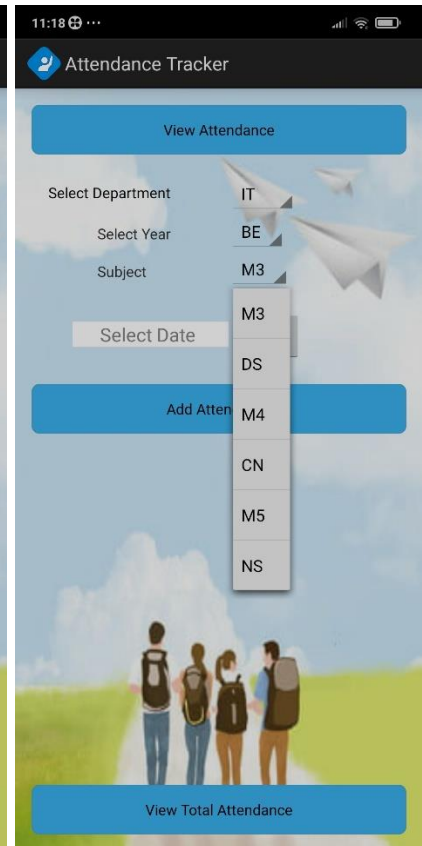
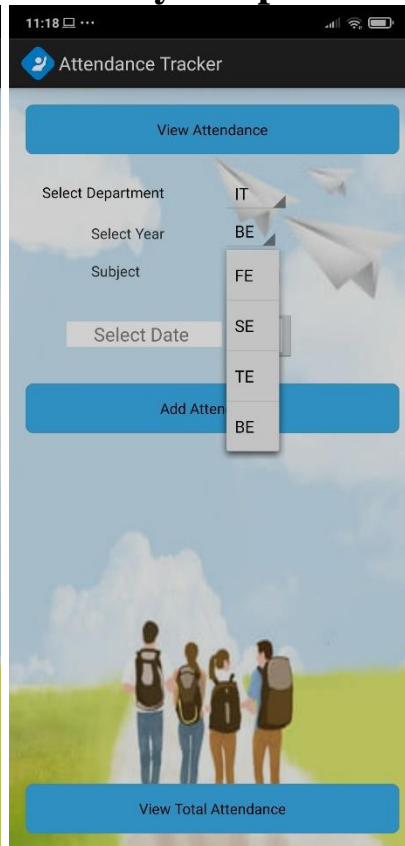
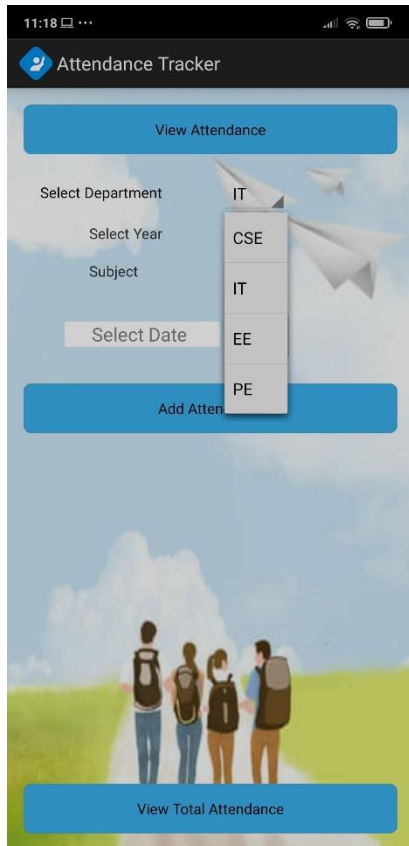
**Login successful**

**View Total Attendance**

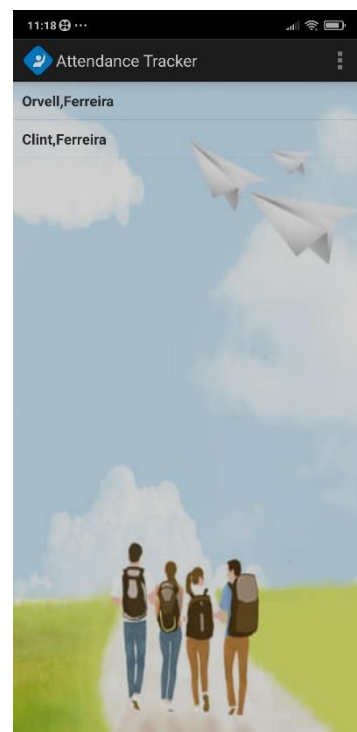
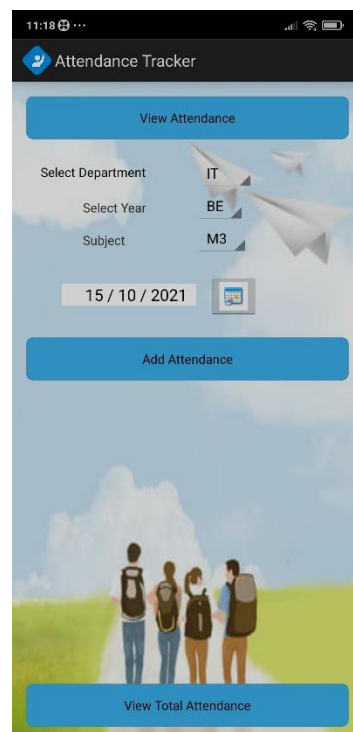
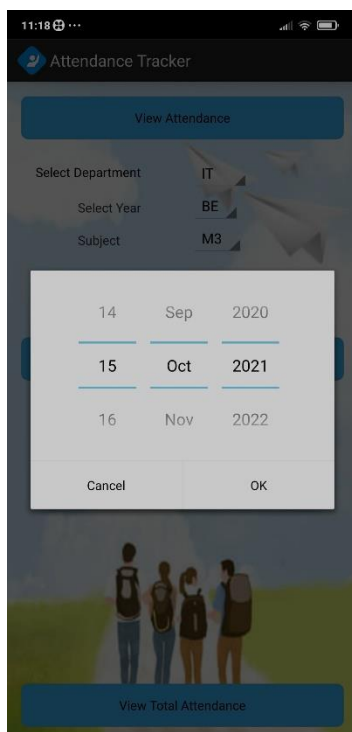
The background of the menu screen is identical to the login screen, featuring a blue sky with white clouds, paper airplanes, and an illustration of four students walking on a path.



## Faculty Dropdowns



## Date Selection



## Add Attendance

11:28 100% ...

Attendance Tracker

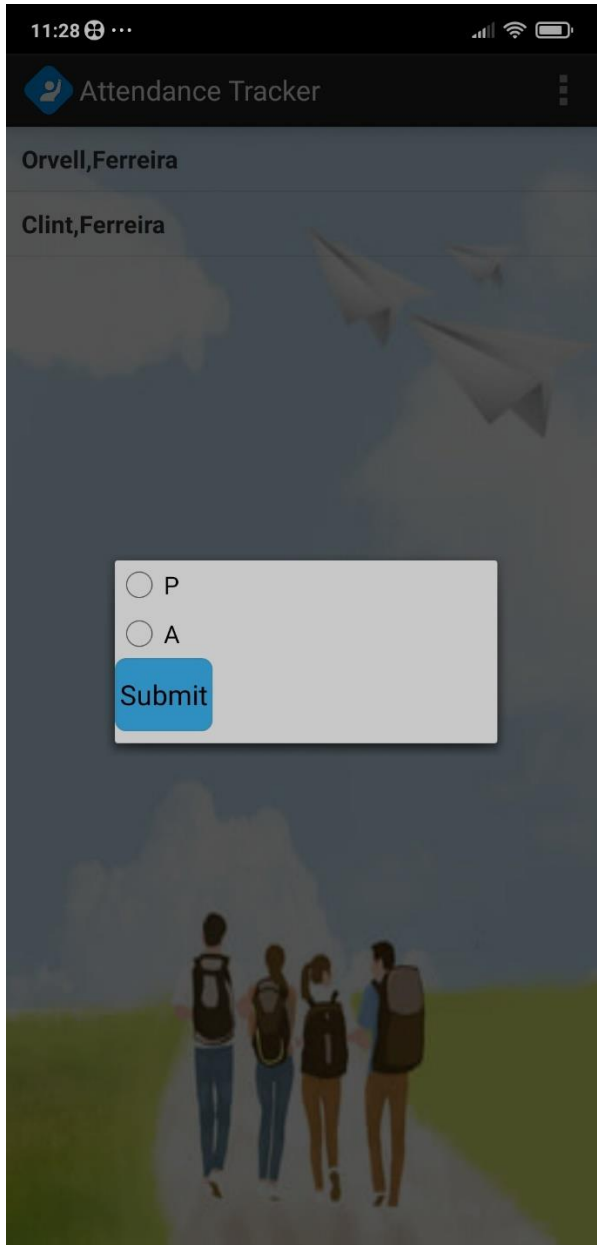
Orvell,Ferreira

Clint,Ferreira

☐ P

☐ A

Submit

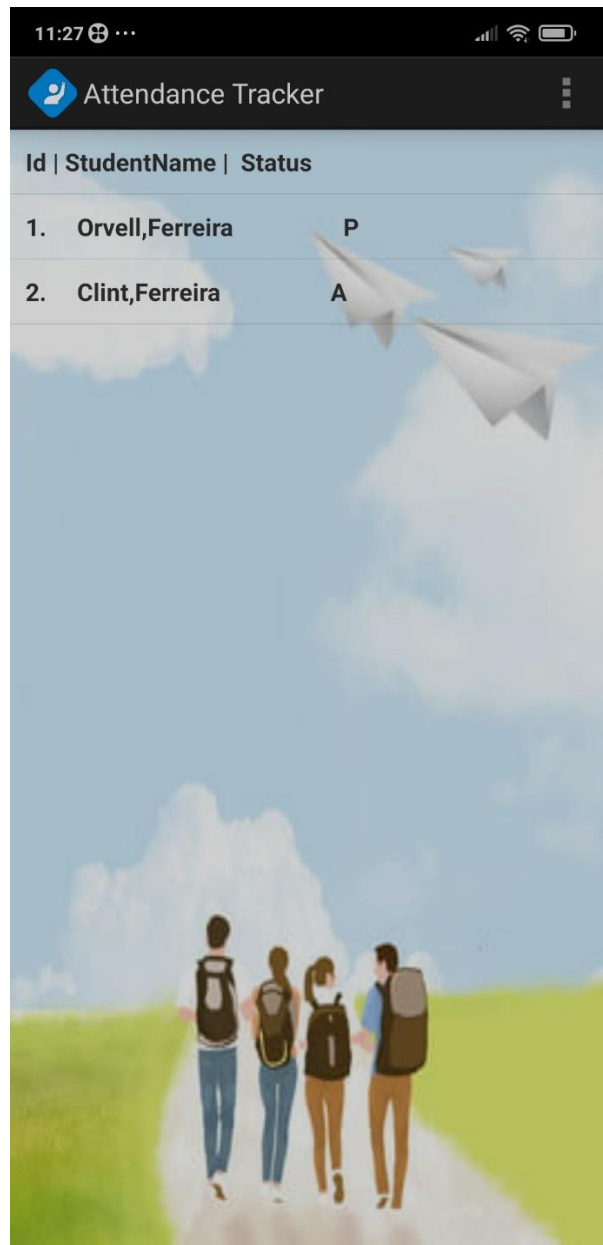


## View Attendance

11:27 100% ...

Attendance Tracker

	Id	StudentName	Status
1.		Orvell,Ferreira	P
2.		Clint,Ferreira	A



## View Total Attendance

11:34 8 ...			Attendance Tracker		
Id   StudentName   Status					
1.	Orvell,Ferreira	P			
2.	Clint,Ferreira	P			
Date : 10 / 10 / 2021					
1.	Orvell,Ferreira	P			
2.	Clint,Ferreira	A			
Date : 11 / 10 / 2021					
1.	Orvell,Ferreira	P			
2.	Clint,Ferreira	P			
Date : 12 / 10 / 2021					
1.	Orvell,Ferreira	P			
2.	Clint,Ferreira	P			
Date : 13 / 10 / 2021					
1.	Orvell,Ferreira	P			
Date : 14 / 10 / 2021					
2.	Clint,Ferreira	A			
Date : 14 / 10 / 2021					

**Attendance Per Student At the Admin login**

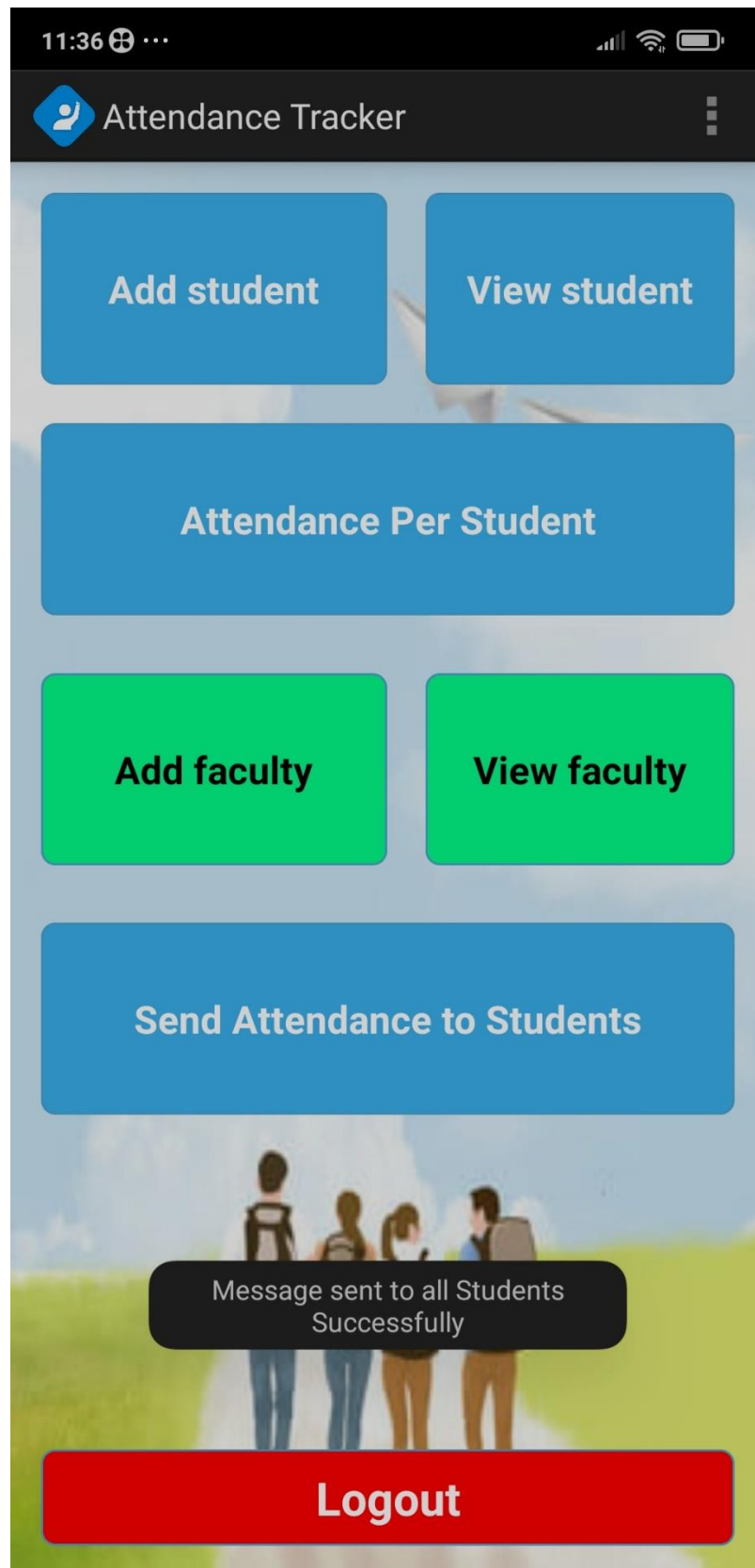
12:24 ⓘ

Attendance Tracker

Present Count Per Student	
1. Orvell,Ferreira	8
2. Clint,Ferreira	3
3. Parva,Juthani	2
4. Lancylord,Dmonte	6



## Send SMS Alert of Attendance to Students

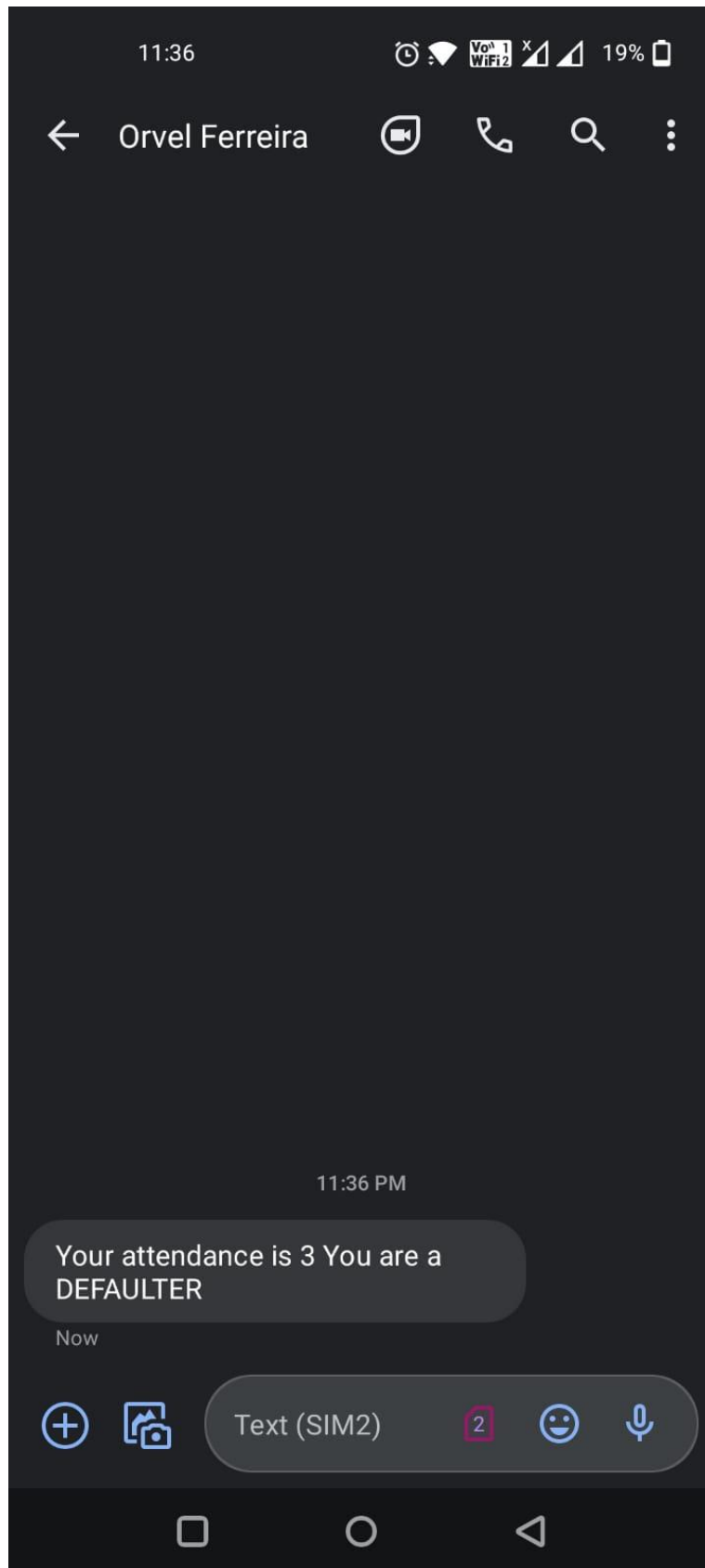


## SMS sent to Students

### Student Who is not Defaulter



## Defaulters



## **CONCLUSION**

Thus, we have successfully created an attendance tracking android application. This application will benefit both the faculty and the institution as well. This android application is implemented to reduce the manual process for faculty members. The manual systems which were used traditionally do not serve the user in the best possible way and they can be tedious at times but with our android application the track if the attendance can be kept conveniently and a digital record of the same will be maintained.

In the future the functionality to integrate a .csv file can be added. Thus, the faculty member would non longer need to manually add every student to their class but can just import a excel file and all the student data would be added in the database. Also using the Camera API and machine learning algorithms the option to take attendance via face recognition can be added. For this purpose, FaceNet, Probablisit Face Embedding etc. can be used .



## **REFERENCES**

1. [https://www.tutorialspoint.com/android/android\\_user\\_interface\\_layouts.htm](https://www.tutorialspoint.com/android/android_user_interface_layouts.htm)
2. <https://developer.android.com/guide/topics/media/camera>
3. <https://developer.android.com/studio>
4. [https://www.tutorialspoint.com/android/android\\_location\\_based\\_services.htm](https://www.tutorialspoint.com/android/android_location_based_services.htm)

