 **INDUSTRIAL VISIT GUIDE**

**(Android App)**

**MINI PROJECT REPORT**

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** BONAFIDE CERTIFICATE**

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**INDUSTRIAL VISIT GUIDE**

**ABSTRACT**

Industrial visit guide application provides an excellent opportunity for students in college as well as schools. It is an important source of students and college through which applying for industrial visits across districts and states will be easier .Every colleges needs to learn the aspects of applying for industrial visits. It is usually very difficult, for a single person to handle these tasks manually. So, we must engage students to use this application for applying industrial visit. These students and colleges require adequate management for everything to happen smoothly which means, they must take more times to delegate tasks and resolve conflicts. In this way, the information is maintained in the written document only, this leads managerial problems. So, we are developing an android application to maintain the data about the industrial visit applications. In this application, the admin maintains all the details about the companies, account details, students profile, locations etc. It will be helpful to the students to reduce managerial problems and helpful to increase the industrial visits to various companies.

**LIST OF ABBREVIATIONS**

JDK - Java Development Kit.

IDE – Integrated Development Environment

SDK - Software Development Kit.

DFD - Data Flow Diagram.

XML - Extensible Markup Language.

**CHAPTER 1**

**INTRODUCTION**

“INDUSTRIAL VISIT GUIDE” is an Android app for the students and colleges. The purpose of developing the app is to maintain the data about the industrial visits. The System allows easy access, to key information on every indusrial visit those who apply, or the college increase in efficiency and profitability of visiting many companies which helps the students. The “INDUSTRIAL VISIT GUIDE” app was developed in consultation with the students. The app is very easy, time spent at processing industrial visit process maintenance is at a minimum and useful information is available for the student to assist the companies in a successful manner through this app.

**1.1 OVERVIEW**

The main objective of our Android app is to provide an easier way for the students to maintain the data about the companies available in the particular states and districts. By using the data maintenance in android app, it saves a lot of time to the user. Nowadays most of the applicatons are maintaining in written document. It creates traceability issues. So they need more time to look at their data storage. We have developed it through an android app it solves the communication overhead. The data that are stored by the database server so it is very easy and the user can fetch the data from anywhere and do their work.

**1.2 EXISTING SYSTEM**

There are many apps available for the industrial visit guide in the Google play store. But there is no exclusive single app for a complete maintenance of the industrial visit process. In “INDUSTRIAL VISIT GUIDE” app gives the maintenance and company details to the students. In track option provides application status and visiting details and guidelines are providing in this app. There is no single app for maintaining the industrial visits. So we have developed the single app for maintaining, account details, companies, account details, students profile, locations etc.

**1.3 PROBLEM DEFINITION**

Sometimes due to some human error, there may be a loss of records.. Difficult to search record when there is no computerized system there is always a difficulty in searching of records if the records are large in number. Moreover, the number of records become large space for physical storage of file and records also increases and data that are stored in the database and easy to fetch the data. It deals the managerial issues like searching, maintaining, tracking problems are easy to handle in this app.

**1.4 PROPOSED SYSTEM**

Using this “INDUSTRIAL VISIT GUIDE” app, its easy to handle the application data maintenance and follow up. It replaces the manual documents maintenance. Because all data are stored in a database. It supports secure and efficient dynamic operations on Insert, Update, Deletes, Select. It can solve communication overhead. The Large size of the outsourced data and the user’s constrained resource capability, the ability to audit the correctness of the data and checks for validation .

**1.5 DATA FLOW DIAGRAM**

Data flow diagram is one of the structured analysis tools. It is a way of expressing system requirements in a graphical representation. A data diagram has the purpose of clarifying system requirements and identifying major transformation that will become in system design.

**1.5.1 DFD Symbols:**

In the DFD there four symbols:

A square defines a source or destination of system data. An arrow identifies data in motion. It is a pipeline through which information flow. A circle represents a process that transforms incoming data flow into outgoing data flows. A circle represents a process that transforms incoming data flow into outgoing data flows.

Data Flow Diagram describes what data flow (logical) rather than how they processes. So it is not dependent of on hardware, software and data structure or file organization .A data flow diagram shows the flow of data through the system, named circles (or bubbles) show the process and the data named arcs entering or leaving the bubbles represents flows.A rectangle represents a data source or data sink, i.e., an entity. Data stores or files are represented by rectangles, which or not closed on one side.

**Modules**

**Process**

**Link**

**Database**

**1.5.2 DATA FLOW DIAGRAM**



**1.5.3 OVERALL DFD :**

Register

Login

New entry for student

View the details

Login

Maintain the student iv data

View the users details

Approve the status of requests

**COMPANY**

View the response

Response to request

Maintain the data

**STUDENT**

**ADMIN**

**CHAPTER 2**

**REQUIREMENT SPECIFICATIONS**

**2.1 USER REQUIREMENTS**

Users of the App are students and admin . Industrial visit guide app is assumed to have basic knowledge of companies and how to apply for the companies and visit over there. Admins of the system should have more knowledge because the admin has the only person to handle the whole module in the app. Friendly user interface, online help and user guide must be sufficient to educate the users on how to use this app without any problems or difficulties.

**2.2 FUNCTIONAL REQUIREMENTS**

**2.2.1 USER LOGIN**

This feature used by the students and admin to login into the applicatoin . They are required to enter email id and password before they are allowed to enter the application .The emai id and password will be verified and if it is invalid email id the user is not allowed to enter the application . This email id is provided when they register. The system must only allow a user with valid email id and password to enter the application. The system performs authorization process which decides which user level can access to. The user must be able to logout after they finished using the application .

**2.2.2 NEW REGISTERATION**

This feature allows adding new registration of student to the application. The System must be able to verify information. The System must be able to enter the new registration for new user. The System must not allow two users having same email id.

**2.2.3 SEARCH DETAILS OF COMPANIES**

This feature enables a searching process of companies based on users selected location. we can search companies based on their companies website also . The System must be able to search the database based on selected location. The System must be able to filter companies based on location. The app shows the filtered companies in this module.

**2.3 NON-FUNCTIONAL REQUIREMENTS**

**2.3.1 Error handling**

* It handles expected and non-expected errors in ways that prevent loss in information and long downtime period.

**2.3.2 Performance Requirements**

* The system shall accommodate a high number of data without any fault.
* Responses to view information shall take no longer than 5 seconds to appear on the screen.

**2.3.3 Safety Requirements**

* System use shall not cause any harm to users records .

**2.3.4 Security Requirements**

* The system will use the secured database ( FIREBASE).
* There is a particular sign in for the each user so the user can use only their individual work only.

**2.4 SOFTWARE REQUIREMENTS**

* Operating System : Windows 8.
* Front – End : Android Studio.
* Back – End : firebase.
* Language : Java

**2.5 HARDWARE REQUIREMENTS**

* RAM : 4 GB
* Hard Disk : 80 GB and above.

**CHAPTER 3**

**IMPLEMENTATION**

**3.1.1 IDE**

Android studio is an integrated development environment (IDE). It contains a base workspace and an extensible plug-in system for customizing the environment. Written mostly in [Java](http://en.wikipedia.org/wiki/Java_(programming_language)). Android studio can be used to develop dynamic applications.

**3.1.2 JDK**

Java Development Tool Kit (JDK) has java library files which can be used for developing of the android application.

**3.1.3 Android SDK**

Android software development is the process by which new applications are created using the [Android operating system](http://en.wikipedia.org/wiki/Android_(operating_system)). Applications are usually developed in [Java](http://en.wikipedia.org/wiki/Java_(programming_language)) programming language using the Android [Software Development Kit](http://en.wikipedia.org/wiki/Software_Development_Kit) (SDK).

**3.2 MODULES**

**3.2.1 STUDENT MODULE**

* + New registration for student
  + Search location
  + Select the company
  + Visit company websites
  + Register for the company

**3.2.2 ADMIN MODULE**

* Views the request of users
* Process the requet
* Company visited status

**3.2.3 DATABASE DETAILS**

* Students account details
* Company details

**3.3 MODULE DESCRIPTIONS**

**3.3.1 STUDENT MODULE**

In this module, we have get the email id of the student. The email id is unique by setting validation to it. We get the users prefered location and company they needed to visit. As soon as the request is send it will be processed and also update the SMS notification.

**3.3.2 ADMIN MODULE**

In this module the users request will be viewed ,the users details such as email id,phone number will be viewed. The admin checks the details and makes the decision of approval or rejection of the request.

**DATABASE DESIGN:**

**DATABASE NAME : INDUSTRIAL VISIT GUIDE APPLICATION**

Table 1 : newreg

Primary Key : stdid

|  |  |  |
| --- | --- | --- |
| **Field** | **Data Type** | **Allow Null** |
| User name | varchar(50) | Checked |
| College name | varchar(50) | Checked |
| Department | varchar(50) | Checked |
| Email id | varchar(50) | Checked |
| Roll no | varchar(50) | Checked |
| Password | varchar(50) | Checked |
| Comfirm password | varchar(50) | Checked |

Table 2 : admin

Primary Key : rndm\_no\_gen

|  |  |  |
| --- | --- | --- |
| **Field** | **Data Type** | **Allow Null** |
| Random number generation | float(50) | Checked |
| Students registration | varchar(50) | Checked |
| Date & time | Date | Checked |

Table 3 : dcom\_det

Primary Key : date

|  |  |  |
| --- | --- | --- |
| **Field** | **Data Type** | **Allow Null** |
| Random\_no\_gen | float(50) | Checked |
| Req\_accept | varchar(50) | Checked |
| Date &time | date | Checked |

Table 4 : com\_visit

foreign Key : rand\_no\_gen

|  |  |  |
| --- | --- | --- |
| **Field** | **Data Type** | **Allow Null** |
| College name | int (50) | Checked |
| Rand\_no\_gen | float(50) | Checked |
| report | varchar(50) | Checked |

**CHAPTER 4**

**TESTING**

Testing is the one step in the software development process that could be viewed as destructive rather than constructive.

If testing is conducted successfully, it uncovers errors in the software. As a secondary benefit, testing demonstrates that software functions appear to be working according to specification, that performance requirements appear to have been met.

In addition, data collected as testing is conducted provide a good indication of software reliability and some quality as a whole.

The objectives of testing are:

* Testing is a process of executing a program with the intent of finding an error.
* A good test case is one that has a high probability of finding an as yet undiscovered error.
* A successful test is one that uncovers an as yet undiscovered error.

Any engineering product can be tested in one of the two ways

* Knowing the specific function that a product has been designed to perform, tests can be performed that demonstrate each function is fully operational –**Black box testing.**
* Knowing the internal workings of product, tests can be conducted to ensure that a product performs according to specification and all internal components have been adequately exercised-**White Box Testing**

**4.1 UNIT TESTING**

The first level of testing is called Unit Testing. In this different activities are tested. The goal is to test the internal logic of the activity.

**4.2 FUNCTIONALITY TESTING**

Test for all the intent in app, database connection, activity used in the app for submitting or getting information from user

**4.2.1 Check all the links:**

* Test the outgoing links from all the pages from specific domain under test.
* Test all internal links.
* Test links jumping on the same pages.

**4.2.2 Test activity in all pages:**

Activity is the integral part of app. Activity is used to get information from users and to keep interaction with them.

* First check all the validations on each field.
* Check for the default values of fields.

**4.3 USABILITY TESTING:**

**4.3.1 Test for navigation:**

App should be easy to use. Instructions should be provided clearly. Check if the provided instructions are correct means whether they satisfy purpose. It should be consistent.

**4.3.2 Content checking:**

Content should be logical and easy to understand. Check for spelling errors. These are common accepted standards like as I mentioned above about annoying colors, fonts, etc. Content should be meaningful. Images should be placed properly with proper sizes. These are some basic standards that should be followed in App development.

**4.4 INTERFACE TESTING**

All the interactions between these servers are checked and executed properly. Errors are handled properly. If database or web server returns any error message for any query by application server then application server should catch and display these error messages appropriately to users.

**4.5 TEST CASE REPORT**

**Function : User Log On**

Description : Authentication for the User

Inputs : User name & Password

Source : Input by the user.

Outputs : Navigation Page

Destination : System Screen.

Precondition : Clicking corresponding buttons.

Post condition : Checking of User name & Password

**Function : Admin Log On**

Description : Authentication for the Admin

Inputs : User name & Password

Source : Input by the admin.

Outputs : Navigation Page

Destination : System Screen.

Precondition : Clicking corresponding buttons.

Post condition : Checking of User name & Password

**Function : Register For Company**

* Description : To Store the Company Details
* Inputs : username,password,department,time slot,date
* Source : Input by the user.
* Outputs : check the mail&sms
* Destination : Navigation Page.
* Precondition : Clicking corresponding buttons.
* Post condition : Stored in the Database

**CHAPTER 5**

**CONCLUSION AND FUTURE WORK**

The system allows easy access, to key information on companies that allow for industrial visits thereby fostering an increase in efficiency and profitability. It helps the students for easy accessibility for the chosen company. It reduces lots of work pressure and tension. We have developed it through an android app it solves the communication overhead. The data that are stored by the database server so it is very secure and user can fetch the data from anywhere and do work.

**CHAPTER 6**

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4. Wikipedia(https://en.wikipedia.org/wiki)

**GOOGLE PLAYSTORE APP LINK**

**APPENDIX A: CODING**

**MainActivity.java**

# package com.example.a17bit022; import androidx.appcompat.app.AppCompatActivity; import android.content.Intent; import android.os.Bundle; import android.view.View; import android.widget.ImageButton; public class MainActivity extends AppCompatActivity { ImageButton button,button1; @Override protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.*activity\_main*); button = (ImageButton) findViewById(R.id.*imageButton*); button1 = (ImageButton) findViewById(R.id.*imageButton4*); button.setOnClickListener(new View.OnClickListener() { @Override public void onClick(View v) { openActivity(); } }); button1.setOnClickListener(new View.OnClickListener() { @Override public void onClick(View v) { Intent intent=new Intent(MainActivity.this,adminlogin.class); startActivity(intent); } }); } public void openActivity(){ Intent intent=new Intent(this,studentlogin.class); startActivity(intent); } }

**Studentlogin.java**

package com.example.a17bit022  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
import android.app.ProgressDialog;  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
import com.google.android.gms.tasks.OnCompleteListener;  
import com.google.android.gms.tasks.Task;  
import com.google.firebase.auth.AuthResult;  
import com.google.firebase.auth.FirebaseAuth;  
import com.google.firebase.auth.FirebaseUser;  
  
public class studentlogin extends AppCompatActivity {  
private TextView t1,forgetpassword;  
private EditText name,password;  
private Button login;  
private FirebaseAuth firebaseAuth;  
private ProgressDialog progressDialog;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_studentlogin*);  
TextView t1 = (TextView)findViewById(R.id.*textView8*);  
final EditText name= (EditText) findViewById(R.id.*editText2*);  
final EditText password= (EditText) findViewById(R.id.*editText3*);  
Button login=(Button)findViewById(R.id.*button*);  
TextView forgetpassword = (TextView)findViewById(R.id.*tvForgetPassword*);  
firebaseAuth=FirebaseAuth.*getInstance*();  
progressDialog=new ProgressDialog(this);  
FirebaseUser user=firebaseAuth.getCurrentUser();t1.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View v) {  
openActivity();  
}  
});  
  
login.setOnClickListener(new View.OnClickListener() {  
@Override  
 public void onClick(View v) {  
if((name.getText().toString()).equals("")||(password.getText().toString()).equals("")){  
Toast.*makeText*(studentlogin.this,"fill the login credentials",Toast.*LENGTH\_SHORT*).show();  
 }  
else{  
openActivity1(name.getText().toString(),password.getText().toString());  
}}  
});  
  
forgetpassword.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View v) {  
 startActivity(new Intent(studentlogin.this, forgetpassword.class));  
}  
});  
}  
public void openActivity() {  
Intent intent = new Intent(this, newuser.class);  
startActivity(intent);  
}  
public void openActivity1(String username,String userpassword)   
progressDialog.setMessage("Processing");  
progressDialog.show();  
firebaseAuth.signInWithEmailAndPassword(username, userpassword).addOnCompleteListener(new OnCompleteListener<AuthResult>() {  
@Override  
public void onComplete(@NonNull Task<AuthResult> task) {  
if (task.isSuccessful()) {  
 progressDialog.dismiss();  
Toast.*makeText*(studentlogin.this,"LOGIN SUCCESSFUL",Toast.*LENGTH\_SHORT*).show();  
startActivity(new Intent(studentlogin.this, Studentlogin1.class));  
}  
else{  
progressDialog.dismiss();  
Toast.*makeText*(studentlogin.this,"LOGIN FAILED",Toast.*LENGTH\_SHORT*).show();  
}  
}  
});  
}  
}

**Studentlogin1.java**  
package com.example.a17bit022;  
import android.content.DialogInterface;  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.Menu;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.Button;  
import android.widget.Spinner;  
import android.widget.Toast;  
  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AlertDialog;  
import androidx.appcompat.app.AppCompatActivity;  
import com.google.firebase.auth.FirebaseAuth;  
public class Studentlogin1 extends AppCompatActivity implements AdapterView.OnItemSelectedListener{  
private Button search;  
 Spinner sp;  
private FirebaseAuth firebaseAuth;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_studentlogin1*);  
sp=(Spinner)findViewById(R.id.*spinner2*);  
search=(Button)findViewById(R.id.*button4*);  
search.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View v) {  
String loc=sp.getSelectedItem().toString();  
Intent intent=new Intent(Studentlogin1.this,stream1.class);  
 intent.putExtra("location",loc);  
startActivity(intent);  
}  
});  
getSupportActionBar().setDisplayHomeAsUpEnabled(true);  
firebaseAuth=FirebaseAuth.*getInstance*();}  
private void LogOut(){  
AlertDialog.Builder builder = new AlertDialog.Builder(Studentlogin1.this);  
builder.setTitle(R.string.*app\_name*);  
builder.setIcon(R.mipmap.*ic\_launcher*);  
builder.setMessage("Do you want to exit?")

.setCancelable(false)  
 .setPositiveButton("Yes", new DialogInterface.OnClickListener() {  
 public void onClick(DialogInterface dialog, int id) {  
firebaseAuth.signOut();  
 finish();  
startActivity(new Intent(Studentlogin1.this, MainActivity.class));  
}  
})

.setNegativeButton("No", new DialogInterface.OnClickListener() {  
public void onClick(DialogInterface dialog, int id) {  
dialog.cancel();  
}  
});  
AlertDialog alert = builder.create();  
alert.show();  
}  
@Override  
public boolean onCreateOptionsMenu(Menu menu) {  
getMenuInflater().inflate(R.menu.*menu*,menu);  
return true;  
}  
@Override  
public boolean onOptionsItemSelected(@NonNull MenuItem item) {  
(item.getItemId()){  
case R.id.*logoutMenu*:{  
LogOut();  
}  
case R.id.*TrackMenu*:{}  
}  
 return super.onOptionsItemSelected(item);  
}  
@Override  
 public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {  
Toast.*makeText*(this,parent.getSelectedItem().toString(),Toast.*LENGTH\_SHORT*).show();  
}  
 @Override  
 public void onNothingSelected(AdapterView<?> parent) {  
}  
}

**Stream1.java**

package com.example.a17bit022;  
import androidx.annotation.NonNull;  
import androidx.annotation.Nullable;  
import androidx.appcompat.app.AlertDialog;  
import androidx.appcompat.app.AppCompatActivity;  
import android.content.DialogInterface;  
import android.graphics.Color;  
import android.content.Intent;  
import android.net.Uri;  
import android.os.Bundle;  
import android.view.Menu;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.ArrayAdapter;  
import android.widget.Button;  
import android.widget.ListView;  
import android.widget.TextView;  
import com.google.firebase.auth.FirebaseAuth;  
import com.google.firebase.database.ChildEventListener;  
import com.google.firebase.database.DataSnapshot;  
import com.google.firebase.database.DatabaseError;  
import com.google.firebase.database.DatabaseReference;  
import com.google.firebase.database.FirebaseDatabase;  
import java.util.ArrayList;  
public class stream1 extends AppCompatActivity {  
ListView mylist;  
ArrayList<String> myArrayList=new ArrayList<>();  
DatabaseReference mref;  
private FirebaseAuth firebaseAuth;  
@Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_stream1*);  
final String newloc=getIntent().getExtras().getString("location");  
getSupportActionBar().setDisplayHomeAsUpEnabled(true);  
firebaseAuth=FirebaseAuth.*getInstance*();  
final ArrayAdapter<String> myArrayAdater=new ArrayAdapter<String>(stream1.this,android.R.layout.*simple\_list\_item\_1*,myArrayList);  
mylist=(ListView)findViewById(R.id.*listview1*);  
mylist.setAdapter(myArrayAdater);  
mref= FirebaseDatabase.*getInstance*().getReference().child(newloc);  
mref.addChildEventListener(new ChildEventListener() {  
@Override  
 public void onChildAdded(@NonNull DataSnapshot dataSnapshot, @Nullable String s) {  
final String value;  
value = dataSnapshot.getValue(String.class);  
myArrayAdater.add(value)  
mylist.setOnItemClickListener(new AdapterView.OnItemClickListener() {  
@Override  
public void onItemClick(AdapterView<?> parent, View view, int position, long id) {  
 FirebaseDatabase firebaseDatabase = FirebaseDatabase.*getInstance*();  
DatabaseReference myRef=firebaseDatabase.getReference().child(firebaseAuth.getUid()).child("company");  
 if (newloc.equals("coimbatore") && position==0){  
 myRef.setValue(value);  
display("https://www.infognana.com/");  
}  
if(newloc.equals("coimbatore") && position==1){  
myRef.setValue(value);  
display("https://www.solitontech.com/");  
}  
if(newloc.equals("coimbatore") && position==2){  
myRef.setValue(value);  
display("http://knila.com/");  
}  
if(newloc.equals("coimbatore") && position==3){  
myRef.setValue(value);  
display("https://www.ndot.in/");  
}  
if(newloc.equals("coimbatore") && position==4){  
myRef.setValue(value);  
display("http://www.loftyitsolutions.com/");  
}  
if(newloc.equals("coimbatore") && position==5)  
myRef.setValue(value);{  
display("");  
}  
if(newloc.equals("coimbatore") && position==6){  
myRef.setValue(value);  
display("https://www.owler.com/");  
}  
 if(newloc.equals("coimbatore") && position==7){  
myRef.setValue(value);  
display("https://www.cloudassert.com/");  
}  
 if(newloc.equals("coimbatore") && position==8){  
myRef.setValue(value);  
display("http://www.i2softwaretechsolutions.com/");  
}  
if(newloc.equals("coimbatore") && position==9){  
myRef.setValue(value);  
display("https://www.nexusglobalsolutions.com/");  
}  
if(newloc.equals("coimbatore") && position==10){  
myRef.setValue(value);  
display("https://www.informationevolution.com/");  
});  
myArrayAdater.notifyDataSetChanged();  
}  
@Override  
public void onChildChanged(@NonNull DataSnapshot dataSnapshot, @Nullable String s) {  
myArrayAdater.notifyDataSetChanged();  
}  
@Override  
public void onChildRemoved(@NonNull DataSnapshot dataSnapshot) {  
}  
@Override  
public void onChildMoved(@NonNull DataSnapshot dataSnapshot, @Nullable String s) {  
}  
 @Override  
 public void onCancelled(@NonNull DatabaseError databaseError) {  
}  
});  
}  
 private void LogOut(){  
AlertDialog.Builder builder = new AlertDialog.Builder(stream1.this);  
builder.setTitle(R.string.*app\_name*);  
builder.setIcon(R.mipmap.*ic\_launcher*);  
builder.setMessage("Do you want to exit?")

.setCancelable(false)

.setPositiveButton("Yes", new DialogInterface.OnClickListener() {  
public void onClick(DialogInterface dialog, int id) {  
firebaseAuth.signOut();  
finish();  
startActivity(new Intent(stream1.this, MainActivity.class));  
}  
})

.setNegativeButton("No", new DialogInterface.OnClickListener() {  
public void onClick(DialogInterface dialog, int id) {  
dialog.cancel();  
}  
});  
AlertDialog alert = builder.create();  
alert.show();  
}  
private void display(final String url ){  
AlertDialog.Builder builder = new AlertDialog.Builder(stream1.this);  
builder.setTitle(R.string.*app\_name*);  
builder.setIcon(R.mipmap.*ic\_launcher*);  
builder.setMessage("continue ur process with...")

.setCancelable(false)

.setPositiveButton("viewdetails", new DialogInterface.OnClickListener() {  
public void onClick(DialogInterface dialog, int id) {  
startActivity(new Intent(Intent.*ACTION\_VIEW*, Uri.*parse*(url)));  
finish();  
}

})  
 .setNeutralButton("register", new DialogInterface.OnClickListener() {  
public void onClick(DialogInterface dialog, int id) {  
Intent intent=new Intent(stream1.this,Registerdetail.class);  
startActivity(intent);  
  
finish();  
}  
})

.setNegativeButton("cancel", new DialogInterface.OnClickListener() {  
public void onClick(DialogInterface dialog, int id) {  
dialog.cancel();  
}  
});  
AlertDialog alert = builder.create();  
alert.show();  
}  
  
@Override  
public boolean onCreateOptionsMenu(Menu menu) {  
getMenuInflater().inflate(R.menu.*menu*,menu);  
return true;  
}  
@Override  
public boolean onOptionsItemSelected(@NonNull MenuItem item) {  
switch (item.getItemId()){  
case R.id.*logoutMenu*:{  
LogOut();  
}  
case R.id.*TrackMenu*:{  
startActivity(new Intent(stream1.this,Track.class));  
}  
}  
return super.onOptionsItemSelected(item);  
}  
  
}

**Register.java**

package com.example.a17bit022  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AlertDialog;  
import androidx.appcompat.app.AppCompatActivity;  
import android.app.PendingIntent;  
import android.content.DialogInterface;  
import android.content.Intent;  
import android.os.Bundle;  
import android.telephony.SmsManager;  
import android.view.Menu;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.Button;  
import android.widget.CheckBox;  
import android.widget.EditText;  
import android.widget.RadioButton;  
import android.widget.RadioGroup;  
import android.widget.Spinner;  
import android.widget.Toast;  
import android.telephony.SmsManager;  
import com.google.firebase.auth.FirebaseAuth;  
import com.google.firebase.auth.FirebaseUser;  
import com.google.firebase.database.DataSnapshot;  
import com.google.firebase.database.DatabaseError;  
import com.google.firebase.database.DatabaseReference;  
import com.google.firebase.database.FirebaseDatabase;  
import com.google.firebase.database.ValueEventListener;  
public class Registerdetail extends AppCompatActivity implements

AdapterView.OnItemSelectedListener{  
Button bt;  
Spinner dept,compses;  
private EditText nostu,date  
String deptar;  
String stucount;  
String aldate;  
String sess,register;  
private FirebaseAuth firebaseAuth;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_registerdetail*);  
dept=findViewById(R.id.*spinner4*);  
dept.setOnItemSelectedListener(this);  
compses=findViewById(R.id.*spinner5*);  
compses.setOnItemSelectedListener(this);  
nostu=(EditText)findViewById(R.id.*editText6*);  
date=(EditText)findViewById(R.id.*editText7*);  
bt=(Button)findViewById(R.id.*button2*);  
getSupportActionBar().setDisplayHomeAsUpEnabled(true);  
firebaseAuth=FirebaseAuth.*getInstance*();  
bt.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View v) {  
deptar=dept.getSelectedItem().toString().trim();  
stucount=nostu.getText().toString().trim();  
aldate=date.getText().toString().trim();  
sess=compses.getSelectedItem().toString().trim();  
if(deptar.isEmpty()){  
Toast.*makeText*(Registerdetail.this,"fill dept",Toast.*LENGTH\_SHORT*).toString().trim();  
}  
if(stucount.isEmpty()){  
nostu.setError("enter count");  
}  
if(aldate.isEmpty()){  
date.setError("enter date");  
}  
if(sess.isEmpty()){  
Toast.*makeText*(Registerdetail.this,"check session",Toast.*LENGTH\_SHORT*).toString().trim();  
}  
if(deptar.equals("select dept")){  
Toast.*makeText*(Registerdetail.this,"fill dept",Toast.*LENGTH\_SHORT*).toString().trim();  
}  
else {  
FirebaseDatabase firebaseDatabase = FirebaseDatabase.*getInstance*();  
DatabaseReference myRef = firebaseDatabase.getReference().child(firebaseAuth.getUid()).child("department");  
myRef.setValue(deptar);  
DatabaseReference myRef1 = firebaseDatabase.getReference().child(firebaseAuth.getUid()).child("noofstu");  
 myRef1.setValue(stucount);  
DatabaseReference myRef3 = firebaseDatabase.getReference().child(firebaseAuth.getUid()).child("date");  
myRef3.setValue(aldate);  
DatabaseReference myRef5 = firebaseDatabase.getReference().child(firebaseAuth.getUid()).child("session");  
myRef5.setValue(sess);  
DatabaseReference myRef4 = firebaseDatabase.getReference().child(firebaseAuth.getUid()).child("register");  
myRef4.setValue(1);  
  
FirebaseUser user = FirebaseAuth.*getInstance*().getCurrentUser();  
email = user.getEmail();  
final DatabaseReference myRef22=firebaseDatabase.getReference().child("register");  
myRef22.child(stucount).setValue(email);  
 final DatabaseReference myRef221=firebaseDatabase.getReference().child("hello");  
myRef221.child(stucount).setValue(user.getUid());  
 Toast.makeText(Registerdetail.this, "successfully registered can view details in track button", Toast.LENGTH\_SHORT).show();  
  
Intent intent=new Intent(getApplicationContext(),Studentlogin1.class);  
PendingIntent pi= PendingIntent.getActivity(getApplicationContext(), 0, intent,0);  
String no="9488585385",msg="Message from Ivgude Application" +  
"your register has been recorded successfully!!!";  
SmsManager sms=SmsManager.getDefault();  
sms.sendTextMessage(no, null, msg, pi,null);  
}  
}

});

}  
private void LogOut(){  
AlertDialog.Builder builder = new AlertDialog.Builder(Registerdetail.this);  
builder.setTitle(R.string.app\_name);

builder.setIcon(R.mipmap.ic\_launcher);  
builder.setMessage("Do you want to exit?")  
setCancelable(false)

.setPositiveButton("Yes", new DialogInterface.OnClickListener() {  
public void onClick(DialogInterface dialog, int id) {  
firebaseAuth.signOut();  
finish();  
startActivity(new Intent(Registerdetail.this, MainActivity.class));  
}  
 })  
 .setNegativeButton("No", new DialogInterface.OnClickListener() {  
public void onClick(DialogInterface dialog, int id) {  
dialog.cancel();  
 }  
 });  
AlertDialog alert = builder.create();  
alert.show();  
}  
@Override  
public boolean onCreateOptionsMenu(Menu menu) {  
getMenuInflater().inflate(R.menu.menu,menu);  
return true;  
}  
@Override  
public boolean onOptionsItemSelected(@NonNull MenuItem item) {  
switch (item.getItemId()){  
case R.id.logoutMenu:{  
LogOut();  
}  
}  
return super.onOptionsItemSelected(item);  
}  
@Override  
public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {  
}  
  
@Override  
 public void onNothingSelected(AdapterView<?> parent) {  
}  
}

**Newuser.java:**

package com.example.a17bit022;  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Spinner;  
import android.widget.TextView;  
import android.widget.Toast  
import com.google.android.gms.tasks.OnCompleteListener;  
import com.google.android.gms.tasks.Task;  
import com.google.firebase.auth.AuthResult;  
import com.google.firebase.auth.FirebaseAuth;  
import com.google.firebase.database.DatabaseReference;  
import com.google.firebase.database.FirebaseDatabase;  
public class newuser extends AppCompatActivity implements AdapterView.OnItemSelectedListener {  
private FirebaseAuth firebaseAuth;  
private EditText newuserusername,newuseruserpassword,newuseruseremail,newuserRollno,newuserphno,newuserconfirmps;  
String name1,coll1,pno1,Roll1,password1,email1,confirmpss1;  
Spinner aspinner;  
private Button reg;  
private TextView userlogin;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_newuser*);  
Button b2=(Button)findViewById(R.id.*button3*);  
getSupportActionBar().setDisplayHomeAsUpEnabled(true);  
firebaseAuth = FirebaseAuth.*getInstance*();  
set();  
reg.setOnClickListener(new View.OnClickListener() {  
@Overridepublic void onClick(View v) {  
if(validate()){  
String user\_email=newuseruseremail.getText().toString().trim();  
String user\_password=newuseruserpassword.getText().toString().trim();  
 firebaseAuth.createUserWithEmailAndPassword(user\_email,user\_password).addOnCompleteListener(new OnCompleteListener<AuthResult>() {  
@Override  
public void onComplete(@NonNull Task<AuthResult> task) {  
if(task.isSuccessful())   
Toast.*makeText*(newuser.this, "Registeration successfull and data uploaded", Toast.*LENGTH\_SHORT*).show();  
finish();  
startActivity(new Intent(newuser.this,studentlogin.class));  
}  
  
else{  
Toast.*makeText*(newuser.this, " email should be valid ...Registeration failed", Toast.*LENGTH\_SHORT*).show();  
}  
}  
});  
userlogin.setOnClickListener(new View.OnClickListener() {  
 @Override  
public void onClick(View v) {  
startActivity(new Intent(newuser.this,studentlogin.class));  
}  
});  
private void set(){  
newuserusername=(EditText)findViewById(R.id.*editText*);  
aspinner=findViewById(R.id.*spinner*);  
aspinner.setOnItemSelectedListener(this);  
newuserRollno=(EditText)findViewById(R.id.*editText13*);  
newuseruserpassword=(EditText)findViewById(R.id.*editText14*);  
newuseruseremail=(EditText)findViewById(R.id.*editText16*);  
reg=(Button)findViewById(R.id.*button3*);  
userlogin=(TextView) findViewById(R.id.*textView24*);  
newuserphno=(EditText)findViewById(R.id.*editText18*);  
newuserconfirmps=(EditText)findViewById(R.id.*editText15*);  
}  
private Boolean validate(){  
Boolean result=false;  
name1=newuserusername.getText().toString();  
coll1=aspinner.getSelectedItem().toString();  
Roll1=newuserRollno.getText().toString();  
password1=newuseruserpassword.getText().toString();  
email1=newuseruseremail.getText().toString();  
pno1=newuserphno.getText().toString();  
confirmpss1=newuserconfirmps.getText().toString();  
if(name1.isEmpty()) {  
newuserusername.setError("name field empty");  
}  
 else if(coll1.isEmpty()||coll1.equals("Select College")){  
Toast.*makeText*(this,"select college name",Toast.*LENGTH\_SHORT*).show();  
}  
else if(Roll1.isEmpty()){  
newuserRollno.setError("Rollno field empty");  
}  
else if(password1.isEmpty()||password1.length()<=6){  
newuseruserpassword.setError("password field empty must be greater than 6 char");  
}  
else if(email1.isEmpty()|| (!email1.matches("[a-zA-Z0-9.\_-]+@[a-z]+\\.+[a-z]+"))) {  
 newuseruseremail.setError("email field invalid");  
}  
else if(pno1.isEmpty() || pno1.length()!=10) {  
 newuserphno.setError("phno field invalid");  
}  
else if(!confirmpss1.matches(password1)){  
Toast.*makeText*(this,"password - confirmps mismatch",Toast.*LENGTH\_SHORT*).show();  
}  
else{  
result=true;  
}  
return result;  
}  
private void sendUserData(){  
FirebaseDatabase firebaseDatabase = FirebaseDatabase.*getInstance*();  
DatabaseReference myRef=firebaseDatabase.getReference(firebaseAuth.getUid());  
DataBaseactivity databaseactivity=new DataBaseactivity(name1,coll1,Roll1,email1,pno1);  
myRef.setValue(databaseactivity);  
DatabaseReference myRef1=firebaseDatabase.getReference().child(firebaseAuth.getUid());  
 myRef1.child("date").setValue("");  
DatabaseReference myRef2=firebaseDatabase.getReference().child(firebaseAuth.getUid());  
myRef2.child("department").setValue(" ");  
DatabaseReference myRef3=firebaseDatabase.getReference().child(firebaseAuth.getUid());  
myRef3.child("noofstu").setValue(" ");  
DatabaseReference myRef4=firebaseDatabase.getReference().child(firebaseAuth.getUid());  
myRef4.child("register").setValue("0");  
DatabaseReference myRef5=firebaseDatabase.getReference().child(firebaseAuth.getUid());  
myRef5.child("session").setValue(" ");  
DatabaseReference myRef6=firebaseDatabase.getReference().child(firebaseAuth.getUid());  
myRef6.child("company name").setValue(" ");  
}  
  
@Override  
 public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {  
Toast.*makeText*(this,parent.getSelectedItem().toString(),Toast.*LENGTH\_SHORT*).show();  
}  
@Override  
public void onNothingSelected(AdapterView<?> parent) {  
  
}  
}

**forgetpassword.java**

package com.example.a17bit022;  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
import com.google.android.gms.tasks.OnCompleteListener;  
import com.google.android.gms.tasks.Task;  
import com.google.firebase.auth.FirebaseAuth;  
public class forgetpassword extends AppCompatActivity {  
private EditText passwordEmail;  
private Button resetpassword;  
private FirebaseAuth firebaseAuth;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_forgetpassword*);  
passwordEmail=(EditText)findViewById(R.id.*editText4*);  
resetpassword=(Button) findViewById(R.id.*btnpasswordReset*);  
getSupportActionBar().setDisplayHomeAsUpEnabled(true);  
firebaseAuth=FirebaseAuth.*getInstance*();  
resetpassword.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View v) {  
String useremail=passwordEmail.getText().toString().trim();  
if(useremail.equals("")){  
Toast.*makeText*(forgetpassword.this,"Please enter your email",Toast.*LENGTH\_SHORT*).show();  
}else{  
firebaseAuth.sendPasswordResetEmail(useremail).addOnCompleteListener(new OnCompleteListener<Void>() {  
@Override  
public void onComplete(@NonNull Task<Void> task) {  
if (task.isSuccessful()) {  
Toast.*makeText*(forgetpassword.this,"password reset email has been send",Toast.*LENGTH\_SHORT*).show();  
 finish();  
startActivity(new Intent(forgetpassword.this, studentlogin.class));  
}  
else{  
Toast.*makeText*(forgetpassword.this,"error in sending email",Toast.*LENGTH\_SHORT*).show();  
}  
}  
 });  
}  
});  
}  
}

**Databaseactivity.java**

package com.example.a17bit022;  
public class DataBaseactivity {  
private String databaseactivityusername;  
private String databaseactivityuseremail;  
private String databaseactivityusercollege;  
private String databaseactivityuserphno;  
private String databaseactivityuserrollno;  
public DataBaseactivity() {  
}  
 public DataBaseactivity(String databaseactivityusername, String databaseactivityuseremail, String databaseactivityusercollege, String databaseactivityuserphno, String databaseactivityuserrollno) {  
this.databaseactivityusername = databaseactivityusername;  
this.databaseactivityuseremail = databaseactivityuseremail;  
this.databaseactivityusercollege = databaseactivityusercollege;  
this.databaseactivityuserphno = databaseactivityuserphno;  
 this.databaseactivityuserrollno = databaseactivityuserrollno;  
}  
 public String getDatabaseactivityusername() {  
return databaseactivityusername;  
}  
public void setDatabaseactivityusername(String databaseactivityusername) {  
this.databaseactivityusername = databaseactivityusername;  
}  
  
public String getDatabaseactivityuseremail() {  
return databaseactivityuseremail;  
}  
 public void setDatabaseactivityuseremail(String databaseactivityuseremail) {  
 this.databaseactivityuseremail = databaseactivityuseremail;  
}  
  
public String getDatabaseactivityusercollege() {  
return databaseactivityusercollege;  
}  
public void setDatabaseactivityusercollege(String databaseactivityusercollege) {  
this.databaseactivityusercollege = databaseactivityusercollege;  
}  
public String getDatabaseactivityuserphno() {  
return databaseactivityuserphno;  
}  
public void setDatabaseactivityuserphno(String databaseactivityuserphno) {  
this.databaseactivityuserphno = databaseactivityuserphno;  
}  
 public String getDatabaseactivityuserrollno() {  
return databaseactivityuserrollno;  
}  
public void setDatabaseactivityuserrollno(String databaseactivityuserrollno) {  
this.databaseactivityuserrollno = databaseactivityuserrollno;  
}  
}

**Adminlogin.java**

package com.example.a17bit022;  
import androidx.appcompat.app.AppCompatActivity;  
import android.app.ProgressDialog;  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
public class adminlogin extends AppCompatActivity {  
EditText t1,t2;  
Button btn;  
private ProgressDialog progressDialog;  
 @Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_adminlogin*);  
t1=(EditText)findViewById(R.id.*editText8*);  
t2=(EditText)findViewById(R.id.*editText9*);

progressDialog=new ProgressDialog(adminlogin.this);  
  
btn=(Button)findViewById(R.id.*button5*);  
  
btn.setOnClickListener(new View.OnClickListener() {  
@Override  
 public void onClick(View v) {  
progressDialog.setMessage("Processing");  
progressDialog.show();  
  
String id=t1.getText().toString();  
String pass=t2.getText().toString();  
  
if((id.equals("admin\_\_&&op"))&&(pass.equals("admin@ivguideapp"))){  
progressDialog.dismiss();  
Toast.*makeText*(adminlogin.this,"LOGIN SUCCESSFUL",Toast.*LENGTH\_SHORT*).show();  
startActivity(new Intent(adminlogin.this,adminlogin2.class));  
}  
else{  
progressDialog.dismiss();  
Toast.*makeText*(adminlogin.this,"LOGIN FAILED ID and PASSWORD INCORRECT",Toast.*LENGTH\_SHORT*).show();  
}  
}  
});  
  
}  
}

**Adminlogin2.java**

package com.example.a17bit022;  
import androidx.annotation.NonNull;  
import androidx.annotation.Nullable;  
import androidx.appcompat.app.AlertDialog;  
import androidx.appcompat.app.AppCompatActivity;  
import android.content.DialogInterface;  
import android.graphics.Color;  
import android.content.Intent;  
import android.net.Uri;  
import android.os.Bundle;  
import android.view.Menu;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.ArrayAdapter;  
import android.widget.Button;  
import android.widget.ListView;  
import android.widget.TextView;  
import android.widget.Toast;  
import com.google.firebase.auth.FirebaseAuth;  
import com.google.firebase.database.ChildEventListener;  
import com.google.firebase.database.DataSnapshot;  
import com.google.firebase.database.DatabaseError;  
import com.google.firebase.database.DatabaseReference;  
import com.google.firebase.database.FirebaseDatabase;  
import java.util.ArrayList;  
public class adminlogin2 extends AppCompatActivity {  
Button bt1,bt2;  
private FirebaseAuth firebaseAuth;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_adminlogin2*);  
bt1=(Button)findViewById(R.id.*button6*);  
bt2=(Button)findViewById(R.id.*button7*);  
bt1.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View v) {  
d1();  
}  
});  
bt2.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View v) {  
d2();  
}  
});  
}  
private void d1(){  
Intent intent=new Intent(adminlogin2.this,Retrive.class);  
startActivity(intent);  
}  
private void d2(){  
Intent intent=new Intent(adminlogin2.this,MainActivity.class);  
startActivity(intent);  
}  
  
 private void LogOut() {  
AlertDialog.Builder builder = new AlertDialog.Builder(adminlogin2.this);  
builder.setTitle(R.string.*app\_name*);  
builder.setIcon(R.mipmap.*ic\_launcher*);  
builder.setMessage("Do you want to exit?").setPositiveButton("Yes", new DialogInterface.OnClickListener() {  
public void onClick(DialogInterface dialog, int id) {  
firebaseAuth.signOut();  
finish();  
startActivity(new Intent(adminlogin2.this, MainActivity.class));  
}  
})  
 .setNegativeButton("No", new DialogInterface.OnClickListener() {  
public void onClick(DialogInterface dialog, int id) {  
dialog.cancel();  
}  
});  
AlertDialog alert = builder.create();  
alert.show();  
}  
public boolean onCreateOptionsMenu(Menu menu) {  
getMenuInflater().inflate(R.menu.*menu*,menu);  
  
return true;  
}  
  
@Override

public boolean onOptionsItemSelected(@NonNull MenuItem item) {  
switch (item.getItemId()){  
 case R.id.*logoutMenu*:{  
LogOut();  
}  
}  
 return super.onOptionsItemSelected(item);  
}  
}

**Retrive.java**

package com.example.a17bit022;

import androidx.annotation.NonNull;

import androidx.appcompat.app.AlertDialog;

import androidx.appcompat.app.AppCompatActivity;

import android.content.DialogInterface;

import android.content.Intent;

import android.net.Uri;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuItem;

import android.view.View;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.ListView;

import com.google.firebase.auth.FirebaseAuth;

import com.google.firebase.database.DataSnapshot;

import com.google.firebase.database.DatabaseError;

import com.google.firebase.database.DatabaseReference;

import com.google.firebase.database.FirebaseDatabase;

import com.google.firebase.database.ValueEventListener;

import java.util.ArrayList;

public class Retrive extends AppCompatActivity {

DatabaseReference ref;

FirebaseDatabase database;

ListView mylist;

ArrayList<String> myArrayList=new ArrayList<>();

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_retrive);

database=FirebaseDatabase.getInstance();

ref=database.getReference().child("UserIn");

getSupportActionBar().setDefaultDisplayHomeAsUpEnabled(true);

userin=new UserIn();

final ArrayAdapter<String> myArrayAdater=new ArrayAdapter<String>(Retrive.this,android.R.layout.simple\_list\_item\_1,myArrayList);

mylist=(ListView)findViewById(R.id.listview);

mylist.setAdapter(myArrayAdater);

mylist.setOnItemClickListener(new AdapterView.OnItemClickListener() {

public void onItemClick(AdapterView<?> parent, View view, int position, long id) {

display();

}

});

list=new ArrayList<>();

arrayAdapter=new ArrayAdapter<String>(this,R.layout.userinfo,R.id.userInfo,list);

ref.addValueEventListener(new ValueEventListener() {

@Override

public void onDataChange(@NonNull DataSnapshot dataSnapshot) {

for(DataSnapshot ds:dataSnapshot.getChildren()){

userin=ds.getValue(UserIn.class);

System.out.println(userin.getCname().toString());

list.add(userin.getCname().toString()+"\n"+userin.getDate().toString()+"\n"+userin.getCollege().toString()

+"\n"+userin.getEmail().toString()+"\n"+userin.getName().toString()+"\n"+userin.getPhno().toString()+"\n"

+userin.getRollno().toString()+"\n"+userin.getSession().toString()+"\n"+

userin.getStucount().toString());

display();

}

listView.setAdapter(arrayAdapter);

}

@Override

public void onCancelled(@NonNull DatabaseError databaseError) {

}

});

}

private void LogOut(){

AlertDialog.Builder builder = new AlertDialog.Builder(Retrive.this);

builder.setTitle(R.string.app\_name);

builder.setIcon(R.mipmap.ic\_launcher);

builder.setMessage("Do you want to exit?")

.setCancelable(false)

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

public void onClick(DialogInterface dialog, int id) {

firebaseAuth.signOut();

finish();

startActivity(new Intent(Retrive.this,MainActivity.class));

}

})

.setNegativeButton("No", new DialogInterface.OnClickListener() {

public void onClick(DialogInterface dialog, int id) {

dialog.cancel();

}

});

AlertDialog alert = builder.create();

alert.show();

}

public boolean onCreateOptionsMenu(Menu menu) {

getMenuInflater().inflate(R.menu.menu,menu);

return true;

}

@Override

public boolean onOptionsItemSelected(@NonNull MenuItem item) {

switch (item.getItemId()){

case R.id.logoutMenu:{

LogOut();

}

}

return super.onOptionsItemSelected(item);

}

private void display(final String cname1, final int position, final String name){  
  
AlertDialog.Builder builder = new AlertDialog.Builder(Retrive.this);  
builder.setTitle(R.string.*app\_name*);  
builder.setIcon(R.mipmap.*ic\_launcher*);  
builder.setMessage("ACCEPT OR REJECT PROCESS....")  
 .setPositiveButton("ACCEPT", new DialogInterface.OnClickListener() {  
public void onClick(DialogInterface dialog, int id) {  
Random random = new Random();  
final String AB = "0123456789ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz";  
SecureRandom rnd = new SecureRandom();  
int len=10;  
StringBuilder sb = new StringBuilder(len);  
for (int i = 0; i < len; i++)  
sb.append(AB.charAt(rnd.nextInt(AB.length())));  
sendemailaccept(name,cname1,sb);  
  
 sendsmsaccept(cname1,sb);  
  
finish();  
}  
})

.setNeutralButton("REJECT", new DialogInterface.OnClickListener() {  
public void onClick(DialogInterface dialog, int id) {  
  
sendmail(name,cname1);  
sendsms(cname1);  
finish();  
}  
})  
 .setNegativeButton("cancel", new DialogInterface.OnClickListener() {  
public void onClick(DialogInterface dialog, int id) {  
  
dialog.cancel();  
}  
});  
AlertDialog alert = builder.create();  
alert.show();  
}  
private void sendmail(String name,String cname1){  
String to = "nivedha1320@gmail.com";  
String subject= "IV GUIDE APP REQUEST PROCESS..";  
String body="Hi "+name+"..."+"\n"+"\n"+  
"your request for company "+cname1+" has been rejected!!! "+"\n"+  
"for more info contact : ivguide@gmail.com";  
String mailTo = "mailto:" + to +  
 "?&subject=" + Uri.*encode*(subject) +  
"&body=" + Uri.*encode*(body);  
Intent emailIntent = new Intent(Intent.*ACTION\_VIEW*);  
emailIntent.setData(Uri.*parse*(mailTo));  
startActivity(emailIntent);  
  
}  
private void sendemailaccept(String name, String cname1, StringBuilder random){  
String to = "nivedha1320@gmail.com";  
String subject= "IV GUIDE APP REQUEST PROCESS..";  
String body="Hi "+name+"..."+"\n"+"\n"+  
"your request for company "+cname1+" has been accepted!!! "+"\n"+  
 "Random Acess NO : "+" "+random.toString()+" "+  
"for more info contact : ivguide@gmail.com"+" "+"DATE AND TIME:";  
String mailTo = "mailto:" + to +  
"?&subject=" + Uri.*encode*(subject) +  
"&body=" + Uri.*encode*(body);  
Intent emailIntent = new Intent(Intent.*ACTION\_VIEW*);  
emailIntent.setData(Uri.*parse*(mailTo));  
startActivity(emailIntent);

}  
private void sendsms(String cname1){  
Intent intent=new Intent(getApplicationContext(),adminlogin2.class);  
PendingIntent pi= PendingIntent.*getActivity*(getApplicationContext(), 0, intent,0);  
String no=userin.phno,msg="Message from Ivgude Application" +  
"your register for the company "+" " +cname1+"is failed.....sorry!!";  
  
SmsManager sms=SmsManager.*getDefault*();  
sms.sendTextMessage(no, null, msg, pi,null)  
}  
Intent intent=new Intent(getApplicationContext(),adminlogin2.class);  
PendingIntent pi= PendingIntent.*getActivity*(getApplicationContext(), 0, intent,0);  
String no=userin.phno,msg="Message from Ivgude Application" +  
"your register for "+" " +cname1+"has been accepted successfully!!!"+"\n"+"RANDOM ACCESS NO : "+random.toString();  
SmsManager sms=SmsManager.*getDefault*();  
sms.sendTextMessage(no, null, msg, pi,null);  
 }  
}

**Userin.java**

package com.example.a17bit022;

public class UserIn {

private String name;

private String email;

private String phno;

private String college;

private String cname;

private String date;

private String stucount;

private String session;

private String rollno;

public UserIn() {

}

public UserIn(String name, String email, String phno, String college, String cname, String date, String stucount, String session, String rollno) {

this.name = name;

this.email = email;

this.phno = phno;

this.college = college;

.cname = cname;

this.date = date;

this.stucount = stucount;

this.session = session;

this.rollno = rollno;

}

public String getName() {

return name;

}

public void setName(String name) {

.name = name;

}

public String getEmail() {

return email;

}

public void setEmail(String email) {

this.email = email;

}

public String getPhno() {

return phno;

}

public void setPhno(String phno) {

.phno = phno;

}

public String getCollege() {

return college;

}

public void setCollege(String college) {

this.college = college;}

public String getCname() {

return cname;

}

public void setCname(String cname) {

this.cname = cname;

}

public String getDate() {

return date;

}

public void setDate(String date) {

this.date = date;

}

public String getStucount() {

return stucount;

}

public void setStucount(String stucount) {

this.stucount = stucount;

}

public String getSession() {

return session;

}

public void setSession(String session) {

this.session = session;

}

public String getRollno() {

return rollno;

}

public void setRollno(String rollno) {

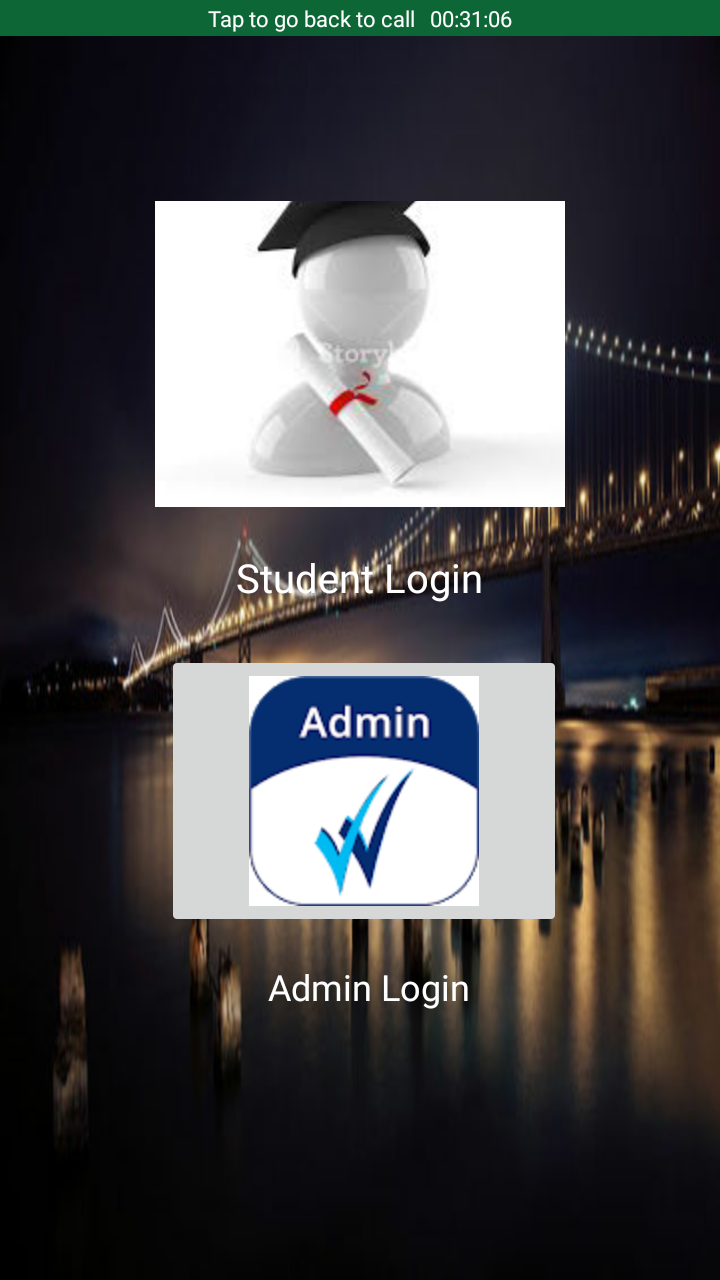
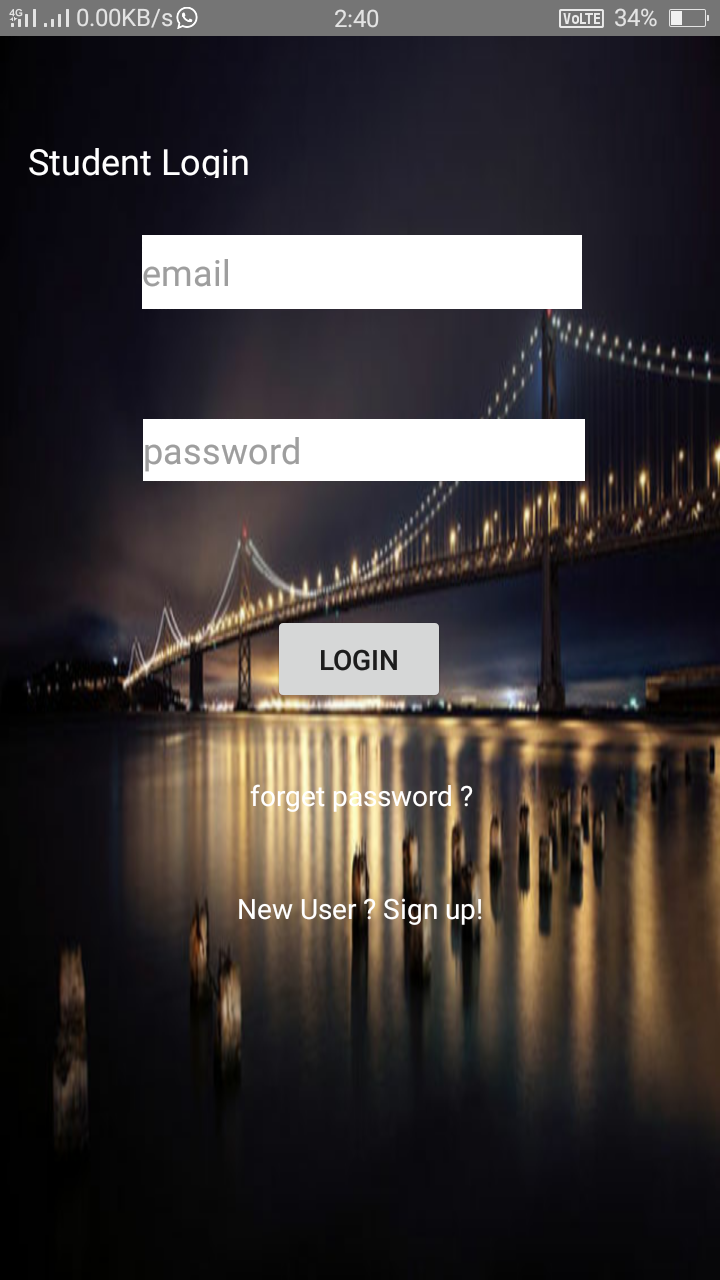
this.rollno = rollno;

}

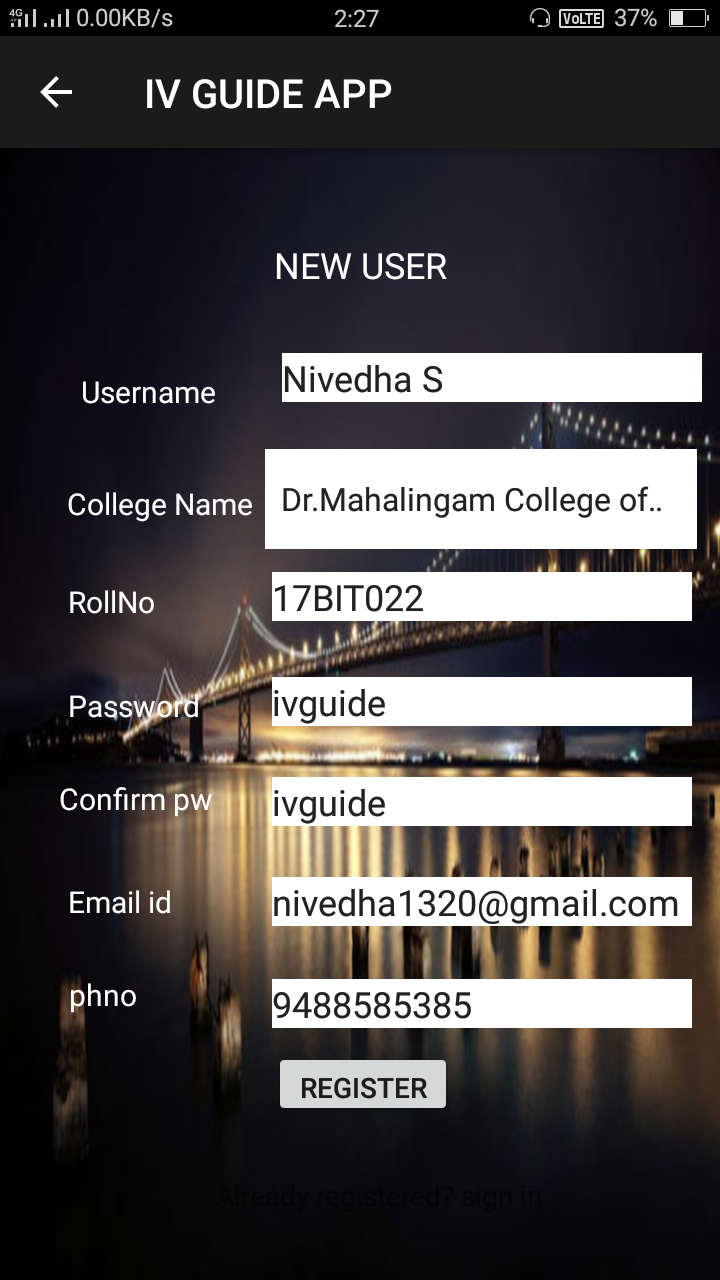
}

**SCREEN SHOTS:**

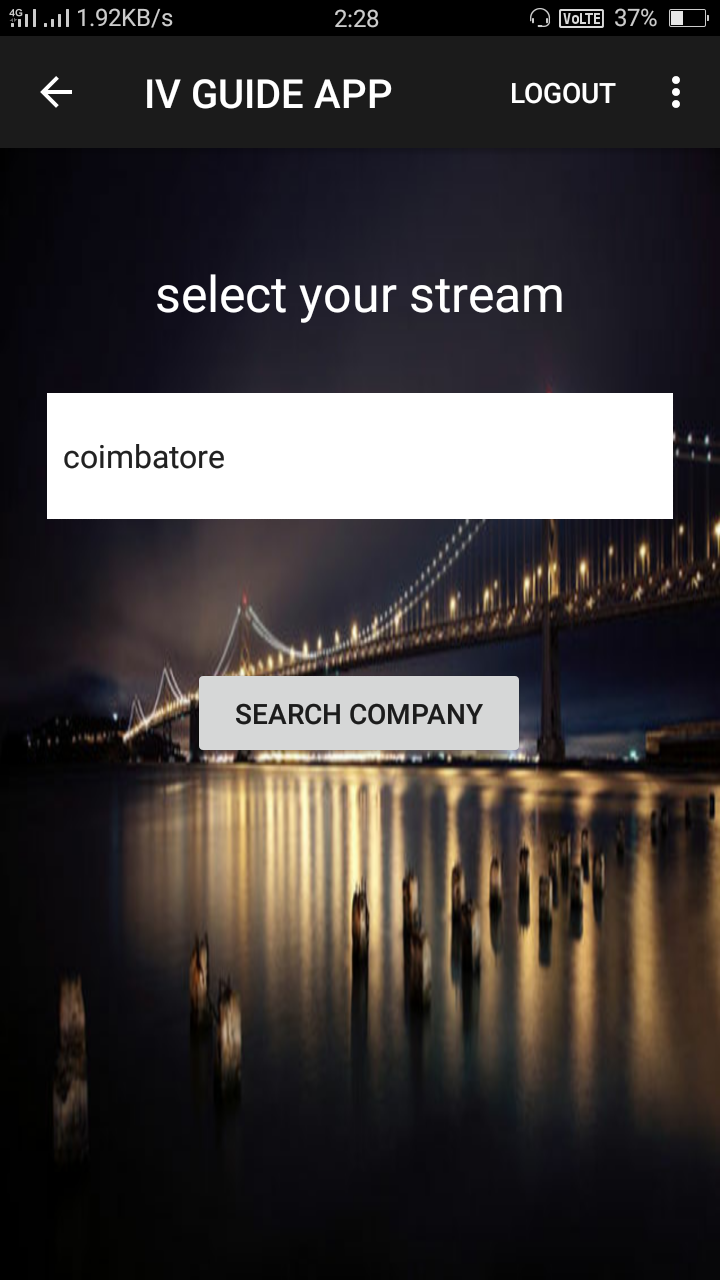
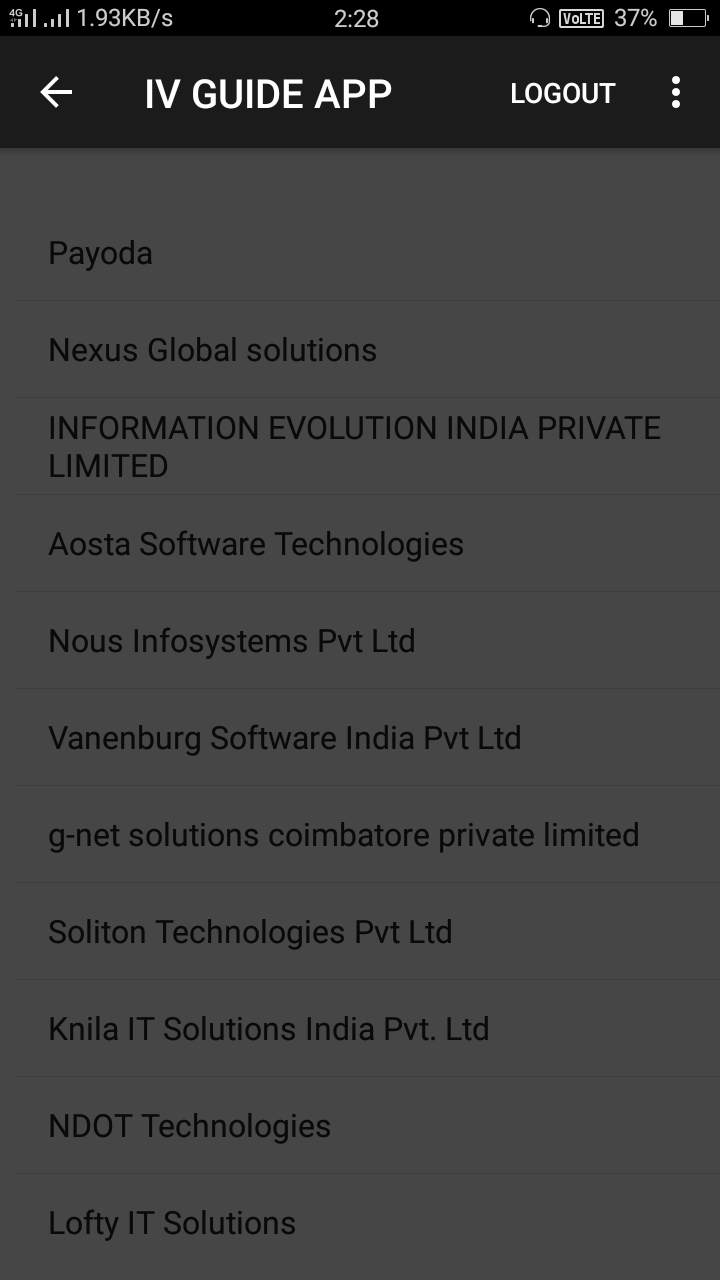
**Figure no:1** App login **Figure no:2** Student Login

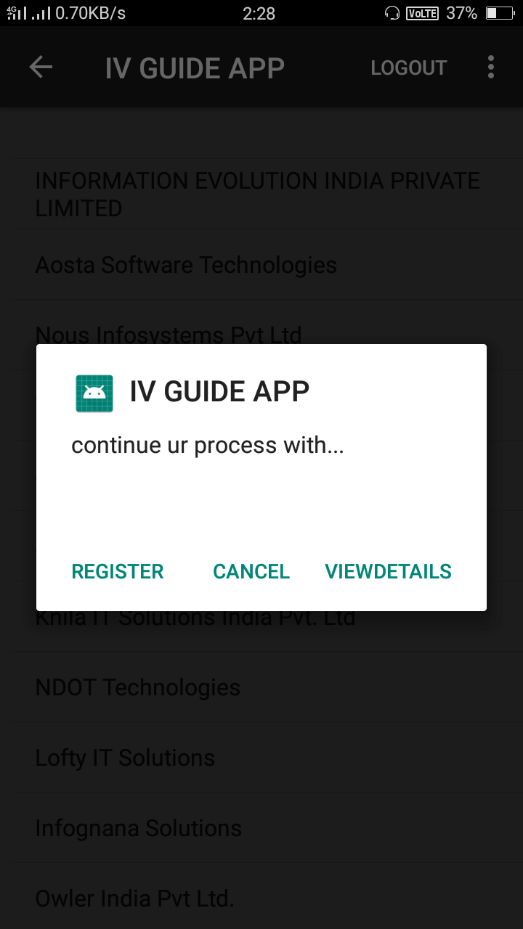
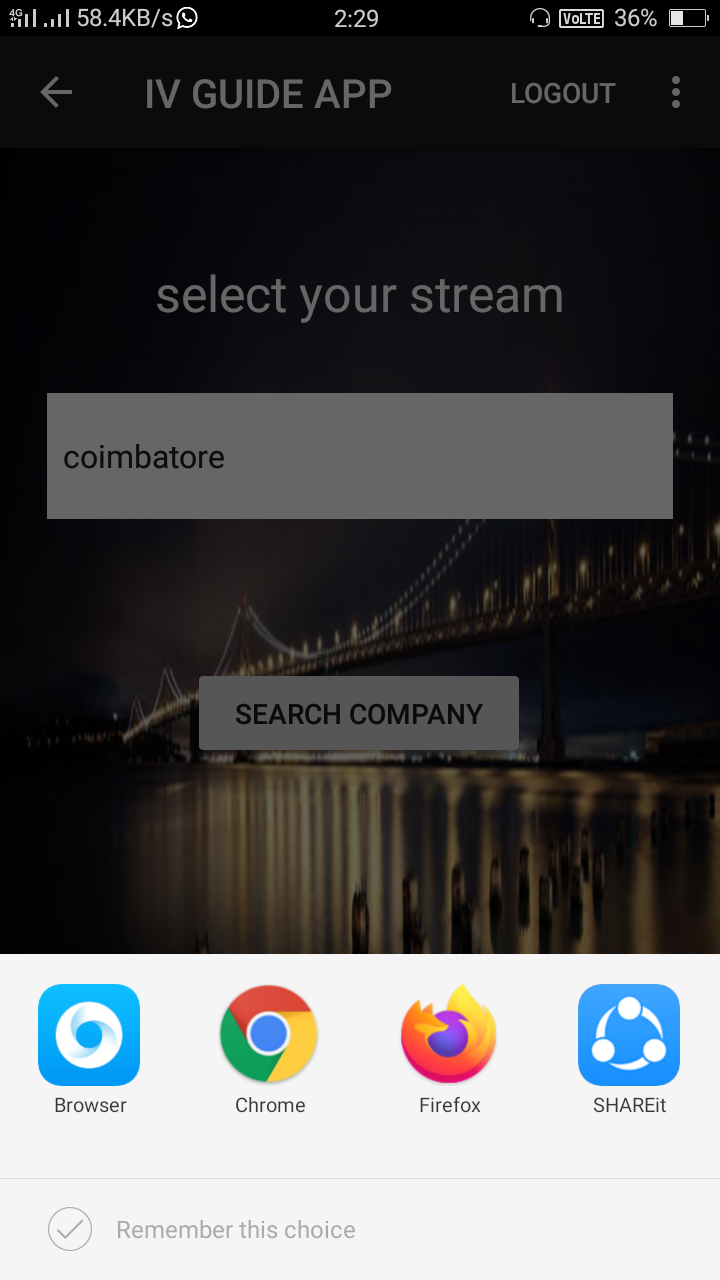
**Figure no: 3** New User signup **Figure no:4** Forget password

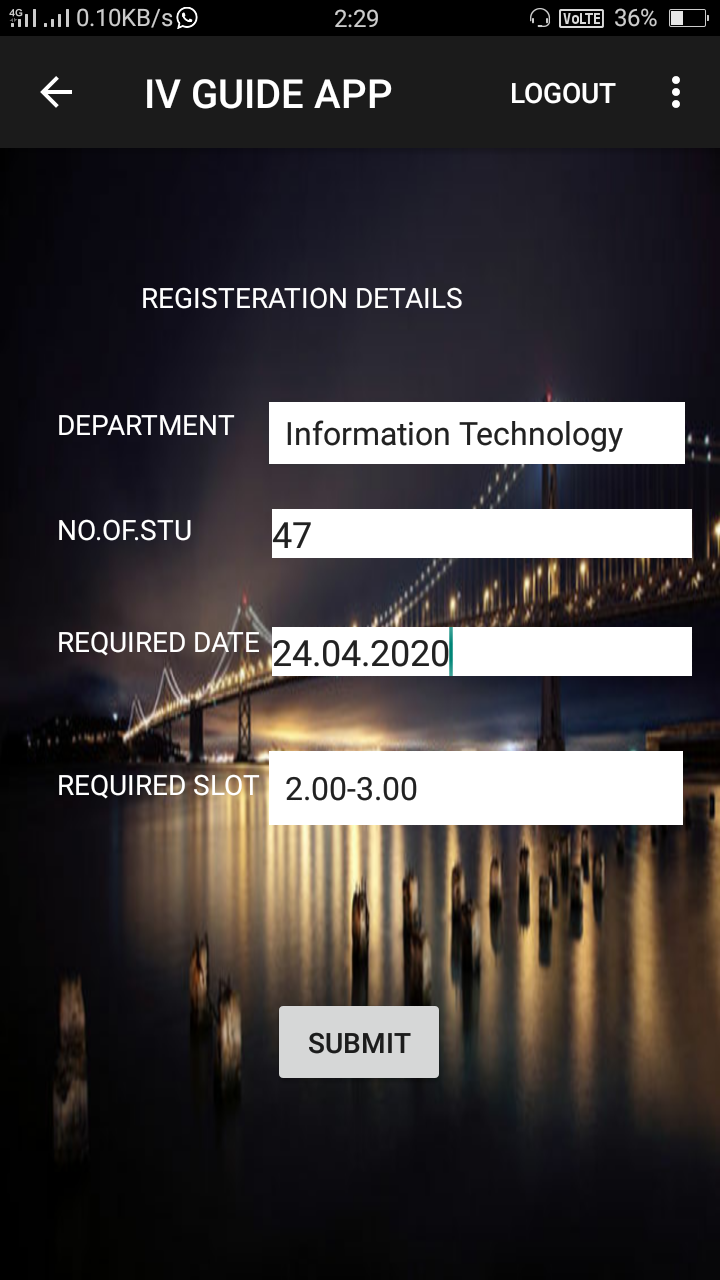
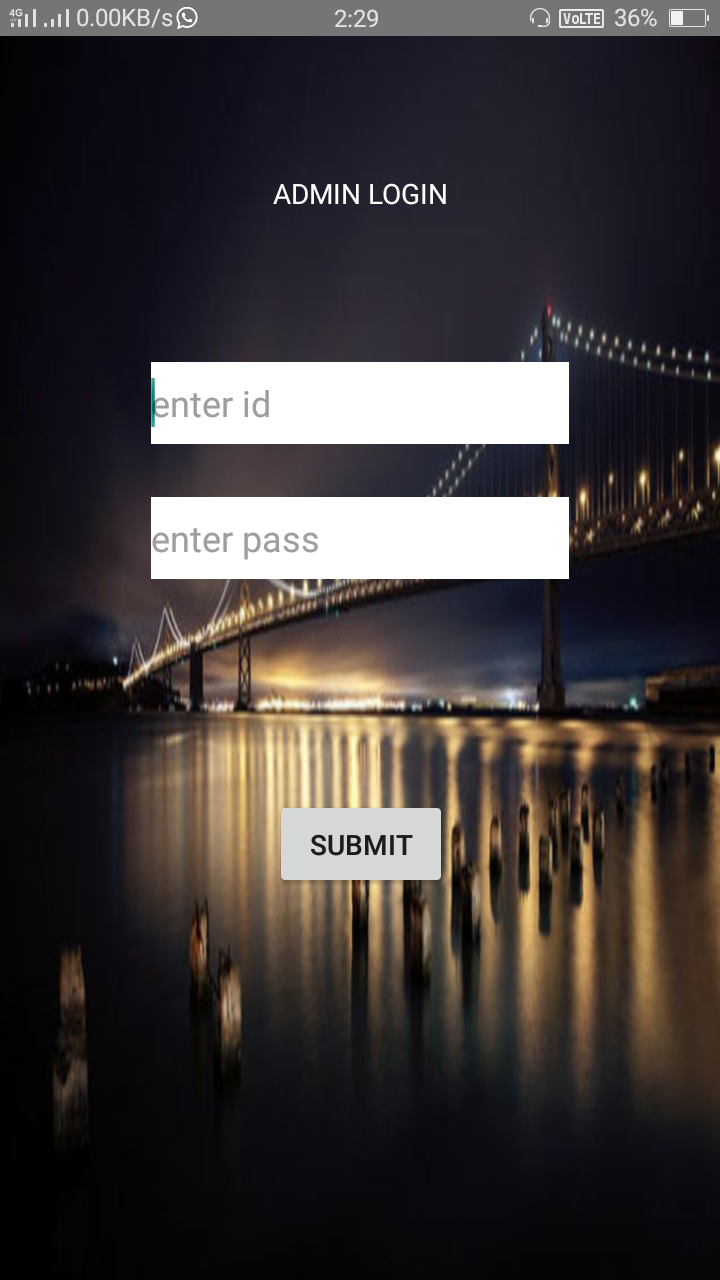
**Figure no:5** Location selection **Figure no:6** Listing of company

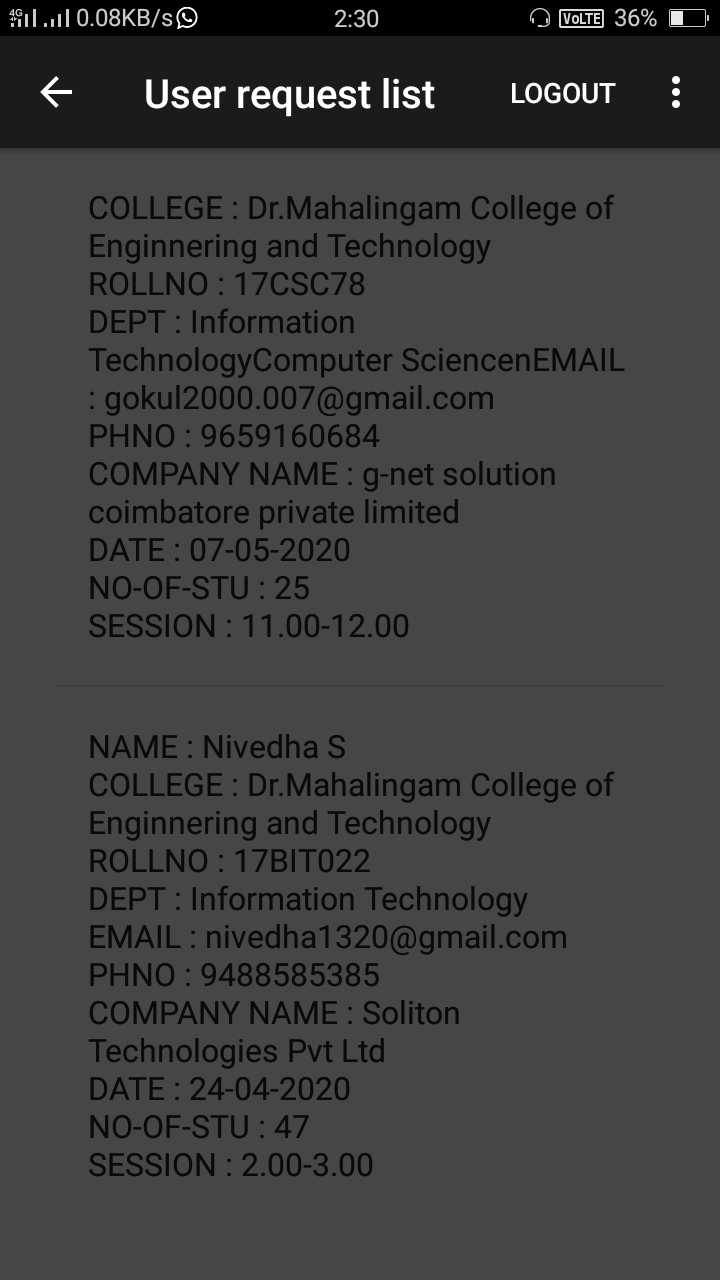
**Figure no:7** View details of company **Figure no:8** Navigate to chrome

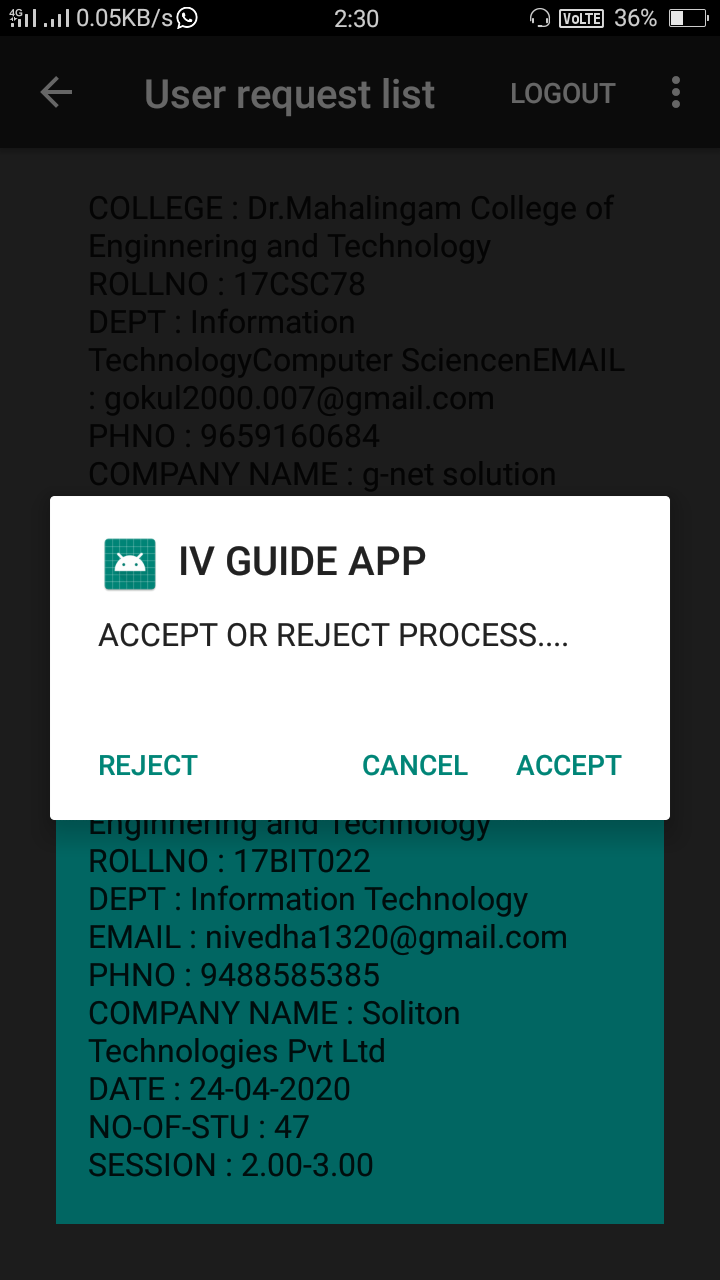
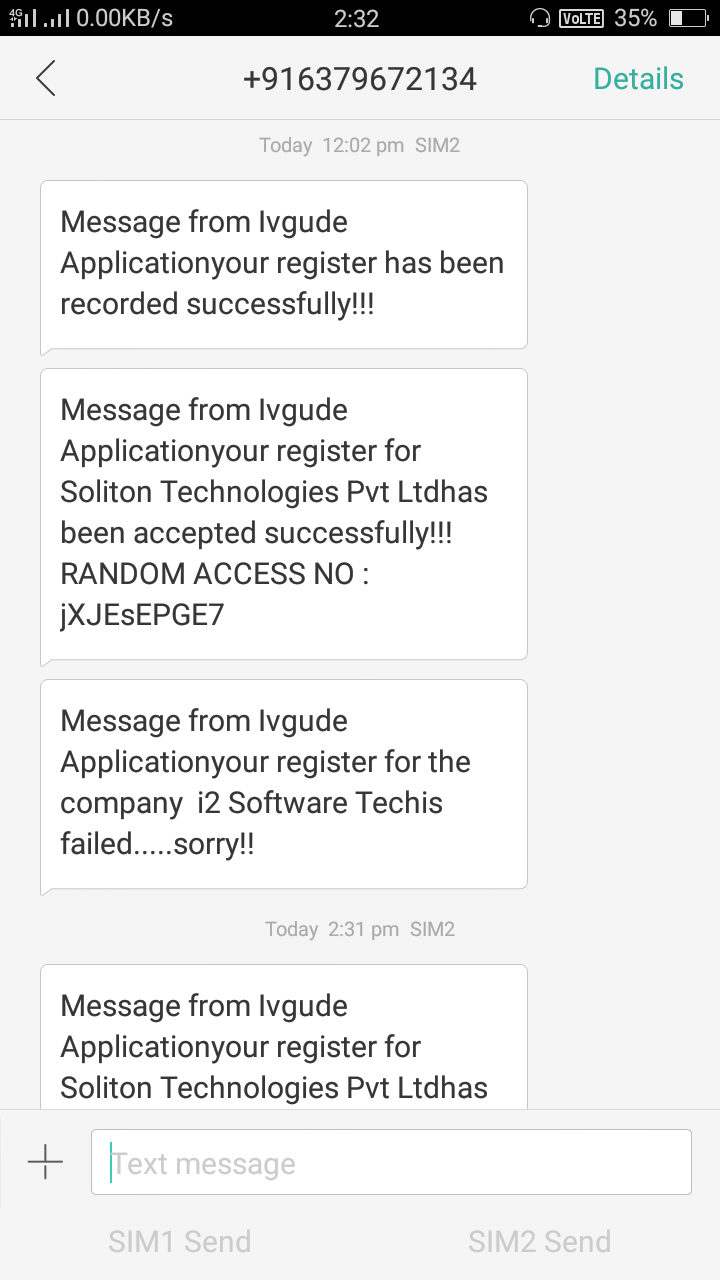
**Figure no:9** Registeration page **Figure no: 10** Admin login

**Figure no:11** Admin first page **Figure no:12** List of user details

**Figure no:13** Accept / reject operation **Figure no:14** message received by user

**Figure no:15** Mail received by user

