

# AJAY KUMAR GARG ENGINEERING COLLEGE

27<sup>th</sup> KM STONE DELHI-HAPUR BYPASS ROAD, P.O. ADHYATMIK NAGAR  
GHAZIABAD-201009

AN  
INTERNSHIP TRAINING REPORT  
ON  
LIVE 'COLLEGE ANDROID APP'



Submitted By :-

**Gaurav Singh**

Year :- 2nd Year

Semester :- 3<sup>rd</sup>

Branch :- CSE(DS)

Student No. :- 2115402-D

Date :-

# **AJAY KUMAR GARG ENGINEERING COLLEGE**

27<sup>th</sup> KM STONE DELHI-HAPUR BYPASS ROAD, P.O. ADHYATMIK NAGARGHAZIABAD-201009

## **INTERNSHIP CERTIFICATE**

This is to certify that \_\_\_\_\_ student of AJAY KUMAR GARG  
ENGINEERING COLLEGE B. Tech \_\_year \_\_\_\_\_ branch, has undergone  
Internship Training in (Topic) \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_.

**(Name of faculty)**

**Yadav**

**Faculty Internship Assessment Lab**

**Dr. Sunita**

**HoD, CSE**

## **ABSTRACT**

Android is an operating system based on the Linux kernel, and designed primarily for touch screen mobile devices such as smart phones and tablet computer. Android holds almost 50% of the total mobile application market, which is worth billions and with the latest advances, it is only going to increase.

Android App Builder helps you in creating the most sophisticated Android applications, that you can create yourself without any previous knowledge of coding or mobile app development experience. Our Android App Builder provides you with the best, error free and pleasant app building experience. Users can convert any web content into an Android App using AppsBuilder. The main aim of this project is to reach users new dimensions and to provide them with applications that they can change/modify themselves without any problem. Users can use this tool to develop applications for your business, employees, or general public.

# PREFACE

“Necessity is Mother of All Inventions”

## ACKNOWLEDGEMENT

- ❖ I am thankful to our **director “R.K. Agrawal”**, for permitting and encouraging me in doing this project.
  - ❖ I express my sincere thanks to our Academic Dean “**Mr. SL Kapoor**”, for encouragement and suggestions to the successful completion of my project.
  - ❖ My sincere thanks to “**Mr. Sunita Yadav**” **Professor, Head of Department in CSE** whose motivation and constant encouragement has led to pursue a project in the field of software development.
  - ❖ I am very much obliged and thankful to my Coordinator **Ms. Chhaya Yadav** to providing this opportunity.
  - ❖ My Parents have put myself ahead of themselves. Because of their hardwork and dedication. My heartfelt thanks to them for giving me all I ever needed to be successful student and individual.
- Finally, I express my thanks to all my other professors, classmates, friends and my family members who helped me for the completion of my project and without support and patient this would never have been possible

## INTRODUCTION TO ORGANIZATION

- ❖ Internshala is India's no. 1 internship and training platform with 40000+ paid internship in Engineering, MBA, media, law, arts, and other streams.
- ❖ The platform, which was founded in 2010, started out as a WordPress blog that aggregated internships across India and articles on education, technology and skill gap. Internshala launched its online trainings in 2014. As of 2018, the platform had 3.5 million students and 80,000 companies.

### **Purpose:**

- ❖ The main purpose is to take trainee to their "DREAM JOB". The objective of Training is to develop useful knowledge, techniques, and skills. They prepare the students to carry out the tasks in well-defined job circumstances.
- ❖ Training is the activity that enhances your performance in the present or upcoming job. In our company, you may learn new skills, boost your learning, and get a lot of confidence.

## INTERNSHIP TRAINING WORK

**Introduction:** College Android App

**OBJECTIVE:** To create an android app by which users/students can get the updated information about college through this live app. The main purpose is to make one platform for all like (OfficialWhatsAppGroup/ GCR/edumarshal)

**METHODOLOGY:**



**Tools and Technology used:-**

- i.) Android Studio for App Development
- ii.) Firebase as network storage.

**Languages for programming:-**


- i.) Java
- ii.) XML for UI development


**Modules in Project:-**


1. Login Manager
2. News Feed Management
3. Gallery Management


4. Notes Management
5. Faculties Management
6. Student Portal\* (edumarshal)


## SNAPSHOTS





  
**News Feed**

  
**Gallery**


  
**Study Material**


  
**Faculty**

  
**Delete News Feed**

  
**Sign Out**

AKGEC Administrator
AKGEC Administrator

  
**Select Notice**

  
**Select Image**

News Feed Title

xyz

Upload Notice

**IMPORTANT NOTICE**

Regarding Examination Schedule for ODD Semester Theory Examination, Session 2021-22

All the students of the Institute are hereby informed that as per decision taken at the Institute level, the Examination Slots for the ODD SEMESTER THEORY EXAMINATION (Regular / Carry Over), 2021-22 are as follows:

| SNo. | Programme                             | Semester        | Slots for Odd Semester Theory Examination, 2021-22 (Regular and Carry Over) | Mode of Examination             |
|------|---------------------------------------|-----------------|---|---------------------------------|
| A.   | B.Tech. (All Branches)                | 7 <sup>th</sup> | March 02-11, 2022   | OFFLINE, Subjective Three Hours |
|      | MCA                                   | 3 <sup>rd</sup> | <b>Dates of Exam:</b> March 02, 04, 07, 09, 11                              |                                 |
| B.   | B.Tech. (All Branches)                | 5 <sup>th</sup> | Feb 28-March 12, 2022   | OFFLINE, Subjective Three Hours |
|      | MCA                                   | 5 <sup>th</sup> | <b>Dates of Exam:</b> Feb 28, March 03, 05, 08, 10, 12                      |                                 |
| C.   | MBA                                   | 3 <sup>rd</sup> | Feb 28-March 12, 2022   | OFFLINE, Subjective Three Hours |
| D.   | Pass-out Batch Carry (All Programmes) |                 | Feb 28-March 12, 2022   | OFFLINE, Subjective Three Hours |
|      | B.Tech./M.Tech. MBA/MCA Pre-Ph.D      | 1 <sup>st</sup> | <b>Dates of Exam:</b> Feb 28, March 02, 03, 04, 05, 07, 08, 09, 10, 11, 12  |                                 |
| E.   | B.Tech./M.Tech. MBA/MCA Pre-Ph.D      | 1 <sup>st</sup> | April 02-15, 2022   | OFFLINE, Subjective Three Hours |
| F.   | B.Tech.                               | 3 <sup>rd</sup> |   | OFFLINE, Subjective Three Hours |

The detailed examination schedule shall be notified shortly.

Select Category

- Convocation
- Alumni Meet
- Freshers Party
- Farewell Party
- Independence Day
- Republic Day
- Holi Celebration
- Deepawali Celebration
- Vishwakarma Puja



Name  
Testing

Post  
Freedom Fighter

Email  
xyz@gmail.com

## Applied Sciences and Humanities

Testing  
Freedom Fighter  
xyz@gmail.com



xyz  
abc  
xyz@gmail.com



## Civil Engineering

Washu  
Civil Lecturer  
civil



xyz  
xyz  
xyz@gmail.com



xyz

xyz

xyz@gmail.com

Select Departments

Applied Sciences & Humanities

Civil Engineering

Computer Science and Engineering

Electrical and Electronics Engineering

Electronics and Communication Engineering

Mechanical Engineering

Information Technology

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fourth

## Ajay Kumar Garg Engineering College

Ajay Kumar Garg Engineering College (AKGEC) is an engineering college located in Ghaziabad, Uttar Pradesh, India. The college was established in 1998. It is affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow. It was designated as one of the 9 research centers in Ghaziabad-Noida area. Students of the institute have ranked in the

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## AKGEC - News Feed

Date : 25--01--22 Time : 04:58 pm

testing



Programmers who write regex:



## AKGEC - News Feed

Date : 24--01--22 Time : 03:17 am

Holiday's List

| AJAY KUMAR GARG INSTITUTE OF MANAGEMENT  |  |                               |           |
|--|--|-------------------------------|-----------|
| 27 Km, Sector, Delhi-Hapur By Pass Road, Auliyatpur Noida, Pin Box No. 118, Ghaziabad-201009 |  |                               |           |
| LIST OF HOLIDAYS DURING THE YEAR 2022  |  |                               |           |
| S. No.   | Name of Festival                                   | Date                          | Day       |
| 1  | Republic Day                                       | 26 <sup>th</sup> January 2022 | Wednesday |
| 2  | Maha Shivratri                                     | 1 <sup>st</sup> March 2022    | Tuesday   |
| 3  | Holi/Dahan   | 13 <sup>th</sup> March 2022   | Thursday  |
| 4  | Holi   | 18 <sup>th</sup> March 2022   | Friday    |
| 5  | Ram Navmi  | 10 <sup>th</sup> April 2022   | Sunday    |
| 6  | Dr. Bhimrao Ambedkar's Birthday / Mahaveer Jayanti | 14 <sup>th</sup> April 2022   | Thursday  |
| 7  | Id-3/1-Fitar / Prashuram Jayanti                   | 3 <sup>rd</sup> May 2022      | Tuesday   |
| 8  | Id-3/1-Julia (Bakreed)                             | 10 <sup>th</sup> July 2022    | Sunday    |
| 9  | Moharrum   | 9 <sup>th</sup> August 2022   | Tuesday   |

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## Applied Sciences and Humanities

Testing  
Freedom Fighter  
xyz@gmail.com



xyz  
abc  
xyz@gmail.com



## Civil Engineering

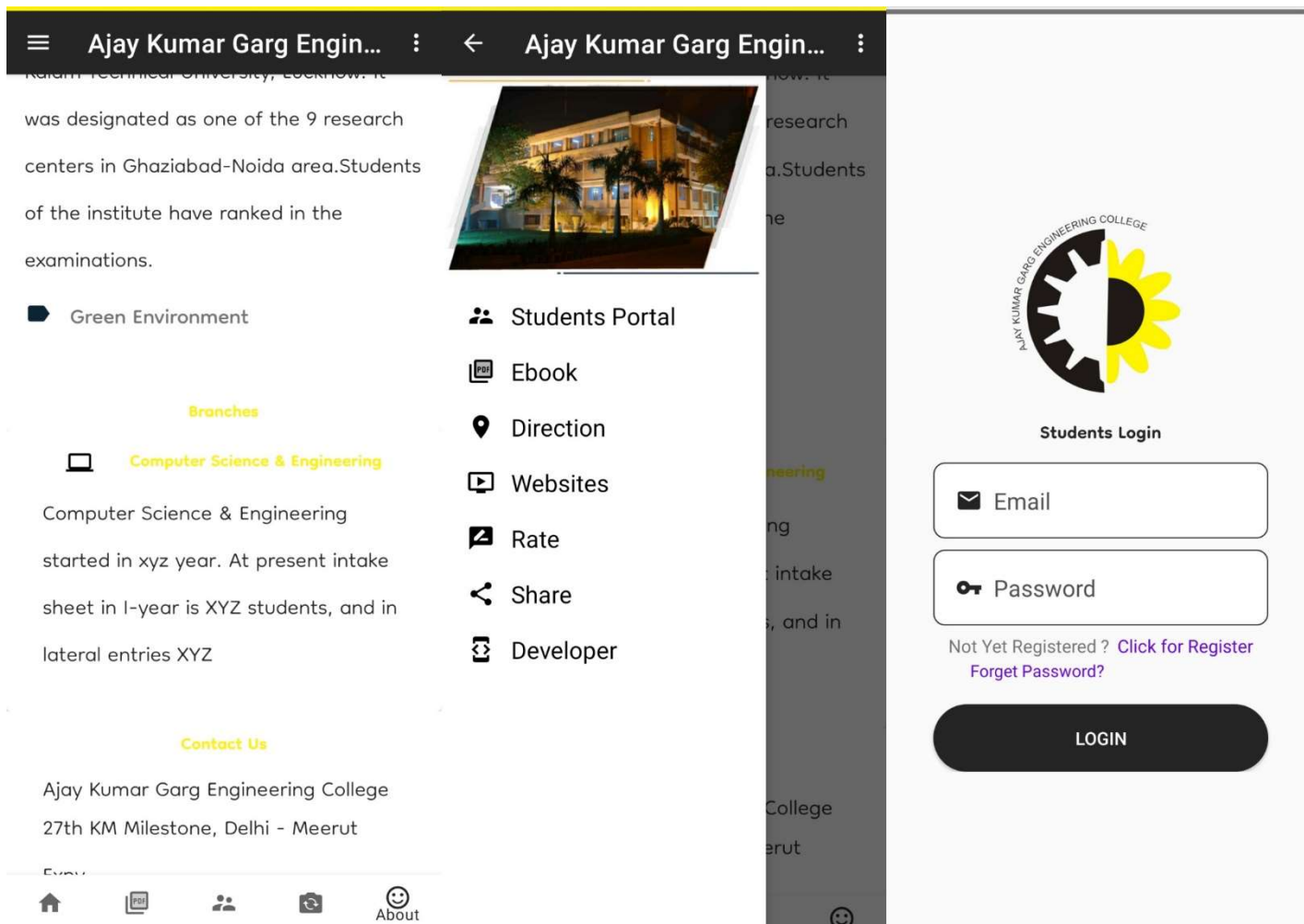
Washu  
Civil Lecturer  
civil



xyz  
xyz  
xyz@gmail.com







## Code: Administrator App

### activity\_admin\_login XML (Design of Login Layout)

```
<?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"
    tools:context=".AdminLogin"
    android:background="@color/textColor">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_margin="20dp"
        android:orientation="vertical"
        android:layout_gravity="center">
        <ImageView
```

```
android:layout_width="160dp"
android:layout_height="160dp"
android:layout_marginTop="100dp"
android:src="@drawable/akgec"
android:layout_gravity="center"/>
```

```
<TextView
```

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="ADMINISTRATION"
    android:textColor="@color/akgecblack"
    android:layout_gravity="center"
    android:layout_marginTop="20dp"
    android:textSize="25dp"
    android:fontFamily="@font/donglebold"/>
```

```
<EditText
```

```
    android:id="@+id/user_email"
    android:layout_width="300dp"
    android:layout_height="wrap_content"
    android:inputType="textEmailAddress"
    android:hint="Email"
    android:textColorHint="@color/lightgrey"
    android:textColor="@color/akgecblack"
    android:layout_gravity="center"
    android:drawableLeft="@drawable/ic_email"
    android:drawablePadding="10dp"
    android:layout_marginTop="35dp"
    android:background="@drawable/edit"
    android:padding="20dp"/>
```

```
<EditText
```

```
    android:id="@+id/user_password"
    android:layout_width="300dp"
    android:layout_height="wrap_content"
    android:inputType="textPassword"
    android:hint="Password"
    android:textColorHint="@color/lightgrey"
    android:textColor="@color/akgecblack"
    android:layout_gravity="center"
    android:drawableLeft="@drawable/ic_key"
    android:drawablePadding="10dp"
    android:layout_marginTop="15dp"
    android:background="@drawable/edit"
```

```

        android:padding="20dp"/>
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Forget Password?"
    android:textColor="@color/akgecyellow"
    android:fontFamily="sans-serif-medium"
    android:layout_gravity="right"
    android:layout_marginTop="20dp"
    android:textSize="15dp"
    android:layout_marginRight="35dp"/>
<Button
    android:id="@+id/login_button"
    android:layout_width="300dp"
    android:layout_height="60dp"
    android:layout_gravity="center"
    android:text="Login"
    android:textColor="#fff"
    android:layout_marginTop="20dp"
    android:background="@drawable/button"/>
</LinearLayout>
</LinearLayout>

```

## AdminLogin JAVA (admin login)

```

package akgecians.administrator;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

public class AdminLogin extends AppCompatActivity {

    private EditText adminEmail,adminPassword;
    // private TextView pwdShow;

```

```

private Button loginBtn;
private String email, pwd;
private SharedPreferences sharedPreferences;
private SharedPreferences.Editor editor;
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_admin_login);
    sharedPreferences = this.getSharedPreferences("login",MODE_PRIVATE);
    editor = sharedPreferences.edit();
    if (sharedPreferences.getString("isLogin","false").equals("yes")) {
        openDash();
    }
    adminEmail = findViewById(R.id.user_email);
    adminPassword = findViewById(R.id.user_password);
//    pwdShow = findViewById(R.id.pwd_show);
    loginBtn = findViewById(R.id.login_button);
/*    pwdShow.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            if (adminPassword.getInputType() == 144){
                adminPassword.setInputType(129);
                pwdShow.setText("hide");
            }else {
                adminPassword.setInputType(144);
                pwdShow.setText("show");
            }
            adminPassword.setSelection(adminPassword.getText().length());
        }
    });
*/
    loginBtn.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            validateData();
        }
    });
}
private void validateData() {
    email = adminEmail.getText().toString();
    pwd = adminPassword.getText().toString();

```

```

if (email.isEmpty()){
    adminEmail.setError("Please Enter Your Email");
    adminEmail.requestFocus();
}else if(pwd.isEmpty()){
    adminPassword.setError("Please Enter the Password");
    adminPassword.requestFocus();
}else if (email.equals("admin@gmail.com") && pwd.equals("12345")){
    editor.putString("isLogin","yes");
    editor.commit();
    openDash();
}else {
    Toast.makeText(this, "Please Check Your Email & Password Again",
Toast.LENGTH_LONG).show();
}
}
private void openDash() {
    startActivity(new Intent(AdminLogin.this, MainActivity.class));
    finish();
}
}

```

## activity\_main XML (Admin Dashboard)

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">
    <TextView
        android:id="@+id/textview"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="28dp"
        android:layout_marginEnd="8dp"
        android:text="AKGEC"
        android:textColor="@color/akgecbblack"
        app:layout_constraintEnd_toEndOf="parent"

```

```

        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"/>
<ImageView
    android:id="@+id/administrator"
    android:layout_width="150dp"
    android:layout_height="150dp"
    android:layout_marginStart="8dp"
    android:layout_marginTop="58dp"
    android:layout_marginEnd="8dp"
    android:src="@drawable/akgec"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.496"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textview"/>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="350dp"
    android:layout_marginStart="0dp"
    android:layout_marginEnd="0dp"
    android:layout_marginBottom="0dp"
    android:orientation="vertical"
    android:background="@drawable/bg_menu"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent">
    <LinearLayout
        android:paddingTop="24dp"
        android:paddingBottom="24dp"
        android:paddingLeft="12dp"
        android:paddingRight="12dp"
        android:layout_weight="3"
        android:orientation="horizontal"
        android:layout_width="match_parent"
        android:layout_height="wrap_content">
        <LinearLayout
            android:orientation="vertical"
            android:layout_weight="1"
            android:layout_width="0dp"
            android:layout_height="wrap_content">
            <LinearLayout

```

```

        android:id="@+id/uploadNotice"
        android:layout_width="match_parent"
        android:layout_height="125dp"
        android:layout_marginLeft="10dp"
        android:layout_marginRight="10dp"
        android:background="@drawable/bgnotice"
        android:orientation="vertical">
        <ImageView
            android:layout_gravity="center_horizontal"
            android:layout_marginTop="12dp"
            android:layout_marginBottom="5dp"
            android:layout_width="55dp"
            android:layout_height="55dp"
            android:background="@drawable/circle_yellow"
            android:src="@drawable/ic_notice"/>
        <View
            android:layout_width="match_parent"
            android:layout_height="1dp"
            android:background="@color/lightgrey"
            android:layout_marginTop="7dp"/>
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="News Feed"
            android:textColor="@color/akgecbblack"
            android:textStyle="bold"
            android:textSize="16sp"
            android:layout_marginTop="5dp"
            android:layout_gravity="center_horizontal"/>
    </LinearLayout>
</LinearLayout>
<LinearLayout
    android:orientation="vertical"
    android:layout_weight="1"
    android:layout_width="0dp"
    android:layout_height="wrap_content">
    <LinearLayout
        android:id="@+id/addGalleryImage"
        android:layout_width="match_parent"
        android:layout_height="125dp"
        android:layout_marginLeft="10dp"

```

```

        android:layout_marginRight="10dp"
        android:background="@drawable/bgnotice"
        android:orientation="vertical">
        <ImageView
            android:layout_gravity="center_horizontal"
            android:layout_marginTop="12dp"
            android:layout_marginBottom="5dp"
            android:layout_width="55dp"
            android:layout_height="55dp"
            android:background="@drawable/circle_green"
            android:src="@drawable/ic_gallery"/>
        <View
            android:layout_width="match_parent"
            android:layout_height="1dp"
            android:background="@color/lightgrey"
            android:layout_marginTop="7dp"/>
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Gallery"
            android:textColor="@color/akgecbblack"
            android:textStyle="bold"
            android:textSize="16sp"
            android:layout_marginTop="5dp"
            android:layout_gravity="center_horizontal"/>
    </LinearLayout>
</LinearLayout>
<LinearLayout
    android:orientation="vertical"
    android:layout_weight="1"
    android:layout_width="0dp"
    android:layout_height="wrap_content">
    <LinearLayout
        android:id="@+id/addEbook"
        android:layout_width="match_parent"
        android:layout_height="125dp"
        android:layout_marginLeft="10dp"
        android:layout_marginRight="10dp"
        android:background="@drawable/bgnotice"
        android:orientation="vertical">
        <ImageView

```



```

        android:layout_gravity="center_horizontal"
        android:layout_marginTop="12dp"
        android:layout_marginBottom="5dp"
        android:layout_width="55dp"
        android:layout_height="55dp"
        android:background="@drawable/circle_purple"
        android:src="@drawable/ic_upload"/>
    <View
        android:layout_width="match_parent"
        android:layout_height="1dp"
        android:background="@color/lightgrey"
        android:layout_marginTop="7dp"/>
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text=" Study\n Material"
        android:textColor="@color/akgecbblack"
        android:textStyle="bold"
        android:textSize="16sp"
        android:layout_marginTop="5dp"
        android:layout_gravity="center_horizontal"/>
</LinearLayout>
</LinearLayout>
</LinearLayout>
<LinearLayout
    android:paddingBottom="24dp"
    android:paddingLeft="12dp"
    android:paddingRight="12dp"
    android:layout_weight="3"
    android:orientation="horizontal"
    android:layout_width="match_parent"
    android:layout_height="wrap_content">
    <LinearLayout
        android:orientation="vertical"
        android:layout_weight="1"
        android:layout_width="0dp"
        android:layout_height="wrap_content">
        <LinearLayout
            android:id="@+id/faculty"
            android:layout_width="match_parent"
            android:layout_height="125dp"

```

```

        android:layout_marginLeft="10dp"
        android:layout_marginRight="10dp"
        android:background="@drawable/bgnotice"
        android:orientation="vertical">
        <ImageView
            android:layout_gravity="center_horizontal"
            android:layout_marginTop="12dp"
            android:layout_marginBottom="5dp"
            android:layout_width="55dp"
            android:layout_height="55dp"
            android:background="@drawable/circle_purple"
            android:src="@drawable/ic_group"/>
        <View
            android:layout_width="match_parent"
            android:layout_height="1dp"
            android:background="@color/lightgrey"
            android:layout_marginTop="7dp"/>
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Faculty"
            android:textColor="@color/akgecbblack"
            android:textStyle="bold"
            android:textSize="16sp"
            android:layout_marginTop="5dp"
            android:layout_gravity="center_horizontal"/>
    </LinearLayout>
</LinearLayout>
<LinearLayout
    android:orientation="vertical"
    android:layout_weight="1"
    android:layout_width="0dp"
    android:layout_height="wrap_content">
    <LinearLayout
        android:id="@+id/deleteNotice"
        android:layout_width="match_parent"
        android:layout_height="125dp"
        android:layout_marginLeft="10dp"
        android:layout_marginRight="10dp"
        android:background="@drawable/bgnotice"
        android:orientation="vertical">

```

```
<ImageView
    android:layout_gravity="center_horizontal"
    android:layout_marginTop="12dp"
    android:layout_marginBottom="5dp"
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:background="@drawable/circle_red"
    android:src="@drawable/ic_delete"/>
```

```
<View
    android:layout_width="match_parent"
    android:layout_height="1dp"
    android:background="@color/lightgrey"
    android:layout_marginTop="7dp"/>
```

```
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Delete\nNews Feed"
    android:textColor="@color/akgecbblack"
    android:textStyle="bold"
    android:textSize="16sp"
    android:layout_marginTop="5dp"
    android:layout_gravity="center_horizontal"/>
```

```
</LinearLayout>
```

```
</LinearLayout>
```

```
<LinearLayout
    android:orientation="vertical"
    android:layout_weight="1"
    android:layout_width="0dp"
    android:layout_height="wrap_content">
```

```
<LinearLayout
    android:id="@+id/logout"
    android:layout_width="match_parent"
    android:layout_height="125dp"
    android:layout_marginLeft="10dp"
    android:layout_marginRight="10dp"
    android:background="@drawable/bgnotice"
    android:orientation="vertical">
```

```
<ImageView
    android:layout_gravity="center_horizontal"
    android:layout_marginTop="12dp"
    android:layout_marginBottom="5dp"
```

```

        android:layout_width="50dp"
        android:layout_height="50dp"
        android:background="@drawable/circle_yellow"
        android:src="@drawable/ic_logout"/>
    <View
        android:layout_width="match_parent"
        android:layout_height="1dp"
        android:background="@color/lightgrey"
        android:layout_marginTop="7dp"/>
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text=" Sign Out"
        android:textColor="@color/akgecbblack"
        android:textStyle="bold"
        android:textSize="16sp"
        android:layout_marginTop="5dp"
        android:layout_gravity="center_horizontal"/>
</LinearLayout>
</LinearLayout>
</LinearLayout>
</LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>

```

## MainActivity.JAVA

```

package akgecians.administrator;

import androidx.appcompat.app.AppCompatActivity;
import androidx.cardview.widget.CardView;
import android.content.Intent;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageView;
import android.widget.LinearLayout;
import android.widget.Toast;
import akgecians.administrator.faculty.UpdateFaculty;
import akgecians.administrator.notice.DeleteNoticeActivity;
import akgecians.administrator.notice.UploadNoticeActivity;

public class MainActivity extends AppCompatActivity {

```

```

private LinearLayout uploadNotice, addGalleryImage, addEbook, faculty, deleteNotice, logout;
private ImageView admin;
private SharedPreferences sharedPreferences;
private SharedPreferences.Editor editor;
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    sharedPreferences = this.getSharedPreferences("login",MODE_PRIVATE);
    editor = sharedPreferences.edit();
    if (sharedPreferences.getString("isLogin","false").equals("false")) {
        openAdminLogin();
    }
    uploadNotice = findViewById(R.id.uploadNotice);
    addGalleryImage = findViewById(R.id.addGalleryImage);
    addEbook = findViewById(R.id.addEbook);
    faculty = findViewById(R.id.faculty);
    deleteNotice = findViewById(R.id.deleteNotice);
    logout = findViewById(R.id.logout);
    admin = findViewById(R.id.administrator);
    admin.setOnClickListener(this);
    uploadNotice.setOnClickListener(this);
    addGalleryImage.setOnClickListener(this);
    addEbook.setOnClickListener(this);
    faculty.setOnClickListener(this);
    deleteNotice.setOnClickListener(this);
    logout.setOnClickListener(this);
}
private void openAdminLogin() {
    startActivity(new Intent(MainActivity.this,AdminLogin.class));
}
@Override
public void onClick(View view) {
    Intent intent;
    //switch cases for Intent to run smoothly
    switch (view.getId()) {
        case R.id.administrator:
            Toast.makeText(this, "Administrator", Toast.LENGTH_LONG).show();
            break;
        case R.id.uploadNotice:

```

```

        intent = new Intent(MainActivity.this, UploadNoticeActivity.class);
        startActivity(intent);
        break;
        case R.id.addGalleryImage:
            intent = new Intent(MainActivity.this, UploadImage.class);
            startActivity(intent);
            break;
        case R.id.addEbook:
            intent = new Intent(MainActivity.this, UploadPdfActivity.class);
            startActivity(intent);
            break;
        case R.id.faculty:
            intent = new Intent(MainActivity.this, UpdateFaculty.class);
            startActivity(intent);
            break;
        case R.id.deleteNotice:
            intent = new Intent(MainActivity.this, DeleteNoticeActivity.class);
            startActivity(intent);
            break;
        case R.id.logout:
            editor.putString("isLogin", "false");
            editor.commit();
            openAdminLogin();
            intent = new Intent(MainActivity.this, AdminLogin.class);
            startActivity(intent);
            break;
    }
}
}

```

## activity\_upload\_notice XML (News Feed Layout)

```

<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".notice.UploadNoticeActivity">
    <LinearLayout
        android:layout_width="match_parent"

```

```

android:layout_height="match_parent"
android:orientation="vertical">
<com.google.android.material.card.MaterialCardView
    android:layout_width="130dp"
    android:layout_height="150dp"
    android:layout_margin="10dp"
    android:id="@+id/addImage"
    app:cardElevation="5dp"
    android:layout_gravity="center">
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:gravity="center">
<ImageView
    android:layout_width="64dp"
    android:layout_height="64dp"
    android:background="@drawable/circle_purple"
    android:src="@drawable/ic_note"
    android:padding="15dp"/>
<View
    android:layout_width="match_parent"
    android:layout_height="1dp"
    android:background="@color/lightgrey"
    android:layout_marginTop="10dp"/>
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Select Notice"
    android:textStyle="bold"
    android:padding="5dp"
    android:layout_marginTop="10dp"
    android:textColor="@color/textcolor">
</TextView>
</LinearLayout>
</com.google.android.material.card.MaterialCardView>
<com.google.android.material.textfield.TextInputLayout
    style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_marginTop="16dp">

```

```

        <com.google.android.material.textfield.TextInputEditText
            android:id="@+id/noticeTitle"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="News Feed Title" />
    </com.google.android.material.textfield.TextInputLayout>
    <com.google.android.material.button.MaterialButton
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Upload Notice"
        android:layout_marginTop="16dp"
        android:textAllCaps="false"
        android:id="@+id/uploadNoteBtn"/>
    <com.google.android.material.card.MaterialCardView
        android:layout_width="match_parent"
        android:layout_marginTop="16dp"
        android:layout_height="400dp">
        <ImageView
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:scaleType="centerCrop"
            android:id="@+id/noticeImageView"/>
    </com.google.android.material.card.MaterialCardView>
</LinearLayout>
</ScrollView>

```

## newsfeed\_item\_layout XML

```

<?xml version="1.0" encoding="utf-8"?>
<com.google.android.material.card.MaterialCardView
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:padding="16dp"
        android:orientation="vertical">
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"

```



```

        android:gravity="center_vertical"
        android:orientation="horizontal">
<de.hdodenhof.circleimageview.CircleImageView
    android:layout_width="36dp"
    android:layout_height="36dp"
    android:src="@drawable/akgec"/>
<TextView
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:text="AKGEC - News Feed"
    android:layout_marginLeft="16dp"
    android:textSize="18dp"
    android:textColor="@color/textcolor"/>
<com.google.android.material.button.MaterialButton
    android:id="@+id/deleteNotice"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Delete"
    android:layout_marginLeft="-100dp"
    style="@style/Widget.MaterialComponents.Button.OutlinedButton"/>
</LinearLayout>
<TextView
    android:id="@+id/deleteNoticeTitle"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Welcome in AKGEC - News Feed"
    android:textSize="17sp"
    android:textColor="@color/textcolor"/>
<ImageView
    android:id="@+id/deleteNoticeImage"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:scaleType="fitXY"/>
</LinearLayout>
</com.google.android.material.card.MaterialCardView>

```

## UploadNoticeActivity JAVA

```

package akgecians.administrator.notice;
import androidx.annotation.NonNull;
import androidx.annotation.Nullable;

```

```

import androidx.appcompat.app.AppCompatActivity;
import androidx.cardview.widget.CardView;
import android.app.ProgressDialog;
import android.content.Intent;
import android.graphics.Bitmap;
import android.net.Uri;
import android.os.Bundle;
import android.provider.MediaStore;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.Toast;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.OnFailureListener;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
import com.google.firebase.storage.FirebaseStorage;
import com.google.firebase.storage.StorageReference;
import com.google.firebase.storage.UploadTask;
import java.io.ByteArrayOutputStream;
import java.io.IOException;
import java.text.SimpleDateFormat;
import java.util.Calendar;
import akgecians.administrator.R;

public class UploadNoticeActivity extends AppCompatActivity {
    private CardView addImage;
    private final int REQ = 1;
    private Bitmap bitmap;
    private ImageView noticeImageView;
    private EditText noticeTitle;
    private Button uploadNoteBtn;
    private DatabaseReference reference,dbRef;
    private StorageReference storageReference;
    String downloadUrl= "";
    private ProgressDialog pd;
    @Override
    protected void onCreate(Bundle savedInstanceState) {

```

```

super.onCreate(savedInstanceState);
setContentView(R.layout.activity_upload_notice);
addImage = findViewById(R.id.addImage);
noticeImageView = findViewById(R.id.noticeImageView);
noticeTitle = findViewById(R.id.noticeTitle);
uploadNoteBtn = findViewById(R.id.uploadNoteBtn);
reference = FirebaseDatabase.getInstance().getReference();
storageReference = FirebaseStorage.getInstance().getReference().child("News Feed");
pd = new ProgressDialog(this);

```

```

//this will open the gallery to selecting img
addImage.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        openGallery(); //declared this method to open gallery
    }
});

```

```

//we check the titel and photo != empty and then
uploadNoteBtn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        if (noticeTitle.getText().toString().isEmpty()){
            noticeTitle.setError("Empty");
            noticeTitle.requestFocus();
        }else if(bitmap == null){
            uploadData();
        }else{

```

```

//when get the both title and image than we upload the data creating this method which declared
        uploadImage();
    }
}
});
}

```

```

//uploading data
private void uploadImage() {
    pd.setMessage("Uploading...");
    pd.show();

    ByteArrayOutputStream baos = new ByteArrayOutputStream();

```

```

        bitmap.compress(Bitmap.CompressFormat.JPEG, 100, baos); //compressing before upload
        byte[] finalimg = baos.toByteArray();
        //creating filepath to store data
        final StorageReference filePath;
        filePath = storageReference.child(finalimg+"jpg");
        //uploading
        final UploadTask uploadTask = filePath.putBytes(finalimg);
        uploadTask.addOnCompleteListener(UploadNoticeActivity.this, new
            OnCompleteListener<UploadTask.TaskSnapshot>() {
                @Override
                public void onComplete(@NonNull Task<UploadTask.TaskSnapshot> task) {
                    if (task.isSuccessful()){
                        uploadTask.addOnSuccessListener(new
                            OnSuccessListener<UploadTask.TaskSnapshot>() {
                                @Override
                                public void onSuccess(UploadTask.TaskSnapshot taskSnapshot) {

                                    filePath.getDownloadUrl().addOnSuccessListener(new OnSuccessListener<Uri>()
                                        {
                                            @Override
                                            public void onSuccess(Uri uri)
                                            {
                                                downloadUrl = String.valueOf(uri);
                                                uploadData();
                                            }
                                        });
                                    }
                                });
                            }else{
                                pd.dismiss();
                                Toast.makeText(UploadNoticeActivity.this, "Something Went Wrong",
                                    Toast.LENGTH_SHORT).show();
                            }
                        }
                    });

        //storing the data in firebase storage
        private void uploadData() {
            dbRef = reference.child("News Feed");
            final String uniqueKey = dbRef.push().getKey();
            String title = noticeTitle.getText().toString(); //through this get the title
            //getting the currentDate

```

```

Calendar calForDate = Calendar.getInstance();
SimpleDateFormat currentDate = new SimpleDateFormat("dd--MM--yy");
String date = currentDate.format(calForDate.getTime());
//getting the currentTime
Calendar calForTime = Calendar.getInstance();
SimpleDateFormat currentTime = new SimpleDateFormat("hh:mm a");
String time = currentTime.format(calForTime.getTime())
//here NoticeData comes from NoticeData Java class file where created constructor
NoticeData noticeData = new NoticeData(title, downloadUrl,date,time,uniqueKey);
/*storing in firebase but we will not know so +1 method
reference.child(uniqueKey).setValue(noticeData);*/
dbRef.child(uniqueKey).setValue(noticeData).addOnSuccessListener(new
OnSuccessListener<Void>() {
    @Override
    public void onSuccess(Void aVoid) {
        pd.dismiss();
        Toast.makeText(UploadNoticeActivity.this, "Successfully Uploaded",
Toast.LENGTH_SHORT).show();
    }
}).addOnFailureListener(new OnFailureListener() {
    @Override
    public void onFailure(@NonNull Exception e) {
        pd.dismiss();
        Toast.makeText(UploadNoticeActivity.this, "Something Went Wrong",
Toast.LENGTH_SHORT).show();
    }
});
}
//created that method to open gallery
private void openGallery() {
    Intent pickImage = new Intent(Intent.ACTION_PICK,
        MediaStore.Images.Media.EXTERNAL_CONTENT_URI);
    startActivityForResult(pickImage,REQ);
}
@Override
protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
    super.onActivityResult(requestCode, resultCode, data);
    if (requestCode == REQ && resultCode == RESULT_OK) {
        Uri uri = data.getData(); //will get the img in uri and initialize to bitmap
        try {
            bitmap = MediaStore.Images.Media.getBitmap(getContentResolver(), uri);

```

```

        } catch (IOException e) {
            e.printStackTrace();
        }
        //set on img(bitmap) noticeImageView to show preview in down
        noticeImageView.setImageBitmap(bitmap);
    }
}
}

```

## NoticeAdapter JAVA

```

package akgecians.administrator.notice;
import android.content.Context;
import android.content.DialogInterface;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AlertDialog;
import androidx.recyclerview.widget.RecyclerView;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.OnFailureListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
import com.squareup.picasso.Picasso
import java.util.ArrayList;
import akgecians.administrator.R;
public class NoticeAdapter extends RecyclerView.Adapter<NoticeAdapter.NoticeViewHolder> {
    private Context context;
    private ArrayList<NoticeData> list;
    public NoticeAdapter(Context context, ArrayList<NoticeData> list) {
        this.context = context;
        this.list = list;
    }
    @NonNull
    @Override

```

```

public NoticeViewAdapter onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
    View view = LayoutInflater.from(context).inflate(R.layout.newsfeed_item_layout, parent,
false);
    return new NoticeViewAdapter(view);
}
@Override
public void onBindViewHolder(@NonNull NoticeViewAdapter holder, int position) {
    NoticeData currentItem = list.get(position);
    holder.deleteNoticeTitle.setText(currentItem.getTitle());
    try {
        if (currentItem.getImage() != null)
            Picasso.get().load(currentItem.getImage()).into(holder.deleteNoticeImage);
    } catch (Exception e) {
        e.printStackTrace();
    }
    holder.deleteNotice.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            AlertDialog.Builder builder = new AlertDialog.Builder(context);
            builder.setMessage("Are You Sure Want to Delete This Notice?");
            builder.setCancelable(true);
            builder.setPositiveButton("YES", new DialogInterface.OnClickListener() {
                @Override
                public void onClick(DialogInterface dialogInterface, int i) {
                    DatabaseReference reference =
FirebaseDatabase.getInstance().getReference().child("News Feed");
                    reference.child(currentItem.getKey()).removeValue()
                        .addOnCompleteListener(new OnCompleteListener<Void>() {
                            @Override
                            public void onComplete(@NonNull Task<Void> task) {
                                Toast.makeText(context, "Notice Deleted",
Toast.LENGTH_SHORT).show();
                            }
                        }).addOnFailureListener(new OnFailureListener() {
                            @Override
                            public void onFailure(@NonNull Exception e) {
                                Toast.makeText(context, "Something Went Wrong",
Toast.LENGTH_SHORT).show();
                            }
                        });
                    notifyItemRemoved(position);
                }
            });
        }
    });
}

```

```

    }
    });
    builder.setNegativeButton("NO", new DialogInterface.OnClickListener() {
        @Override
        public void onClick(DialogInterface dialogInterface, int i) {
            dialogInterface.cancel();
        }
    });
    AlertDialog dialog = null;
    try {
        dialog = builder.create();
    } catch (Exception e) {
        e.printStackTrace();
    }
    if (dialog != null)
        dialog.show();
    }
    });
}
@Override
public int getItemCount() {
    return list.size();
}
public class NoticeViewAdapter extends RecyclerView.ViewHolder {
    private Button deleteNotice;
    private TextView deleteNoticeTitle;
    private ImageView deleteNoticeImage;
    public NoticeViewAdapter(@NonNull View itemView) {
        super(itemView);
        deleteNotice = itemView.findViewById(R.id.deleteNotice);
        deleteNoticeTitle = itemView.findViewById(R.id.deleteNoticeTitle);
        deleteNoticeImage = itemView.findViewById(R.id.deleteNoticeImage);
    }
}
}
}

```

## activity\_delete\_notice XML

```

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

```



```

xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".notice.DeleteNoticeActivity">
<androidx.recyclerview.widget.RecyclerView
    android:id="@+id/deleteNoticeRecycler"
    android:layout_width="match_parent"
    android:layout_height="match_parent"/>
<ProgressBar
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_centerInParent="true"
    android:id="@+id/progressBar"/>
</RelativeLayout>

```

## DeleteNoticeActivity JAVA

```

package akgecians.administrator.notice;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;
import android.os.Bundle;
import android.view.View;
import android.widget.ProgressBar;
import android.widget.Toast;
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;
import java.util.List;
import akgecians.administrator.R;
public class DeleteNoticeActivity extends AppCompatActivity {
    private RecyclerView deleteNoticeRecycler;
    private ProgressBar progressBar;
    private ArrayList<NoticeData> list;
    private NoticeAdapter adapter;
    private DatabaseReference reference;
    @Override

```

```

protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_delete_notice);
    progressBar = findViewById(R.id.progressBar);
    reference = FirebaseDatabase.getInstance().getReference().child("News Feed");
    deleteNoticeRecycler.setLayoutManager(new LinearLayoutManager(this));
    deleteNoticeRecycler.setHasFixedSize(true);
    getNotice();
}

private void getNotice() {
    reference.addValueEventListener(new ValueEventListener() {
        @Override
        public void onDataChange(@NonNull DataSnapshot snapshot) {
            list = new ArrayList<>();
            for (DataSnapshot dataSnapshot : snapshot.getChildren()){
                NoticeData data = dataSnapshot.getValue(NoticeData.class);
                list.add(0, data);
            }
            adapter = new NoticeAdapter(DeleteNoticeActivity.this, list);
            adapter.notifyDataSetChanged();
            progressBar.setVisibility(View.GONE);
            deleteNoticeRecycler.setAdapter(adapter);

            Toast.makeText(DeleteNoticeActivity.this, "News Feed Found Successfully",
                Toast.LENGTH_SHORT).show();
        }
        @Override
        public void onCancelled(@NonNull DatabaseError error) {
            progressBar.setVisibility(View.GONE);
            Toast.makeText(DeleteNoticeActivity.this, error.getMessage(),
                Toast.LENGTH_SHORT).show();
        }
    });
}
}

```

## activity\_upload\_image XML (Gallery)

```

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

```

```
android:layout_width="match_parent"
android:layout_height="match_parent"
android:padding="16dp"
tools:context=".UploadImage">
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">
    <com.google.android.material.card.MaterialCardView
        android:layout_width="130dp"
        android:layout_height="150dp"
        android:layout_margin="10dp"
        android:id="@+id/addGalleryImage"
        app:cardElevation="5dp"
        android:layout_gravity="center">
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:orientation="vertical"
            android:gravity="center">
            <ImageView
                android:layout_width="64dp"
                android:layout_height="64dp"
                android:background="@drawable/circle_yellow"
                android:src="@drawable/ic_note"
                android:padding="15dp"/>
            <View
                android:layout_width="match_parent"
                android:layout_height="1dp"
                android:background="@color/lightgrey"
                android:layout_marginTop="10dp"/>
            <TextView
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:text="Select Image"
                android:textStyle="bold"
                android:padding="5dp"
                android:layout_marginTop="10dp"
                android:textColor="@color/textcolor">
            </TextView>
        </LinearLayout>
```

```

</com.google.android.material.card.MaterialCardView>
<Spinner
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/image_category"
    android:background="@android:drawable/btn_dropdown"
    android:gravity="center"
    android:layout_marginVertical="16dp"/>
<com.google.android.material.button.MaterialButton
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Upload Image"
    android:layout_marginTop="16dp"
    android:textAllCaps="false"
    android:id="@+id/uploadImageBtn"/>
<com.google.android.material.card.MaterialCardView
    android:layout_width="match_parent"
    android:layout_marginTop="16dp"
    android:layout_height="400dp">
    <ImageView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:scaleType="centerCrop"
        android:id="@+id/galleryImageView"/>
    </com.google.android.material.card.MaterialCardView>
</LinearLayout>
</ScrollView>

```

## UploadImage JAVA

```

package akgecians.administrator;
import androidx.annotation.NonNull;
import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;
import androidx.cardview.widget.CardView;
import android.app.ProgressDialog;
import android.content.Intent;
import android.graphics.Bitmap;
import android.net.Uri;
import android.os.Bundle;
import android.provider.MediaStore;

```

```
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.Spinner;
import android.widget.Toast;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.OnFailureListener;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
import com.google.firebase.storage.FirebaseStorage;
import com.google.firebase.storage.StorageReference;
import com.google.firebase.storage.UploadTask;
import java.io.ByteArrayOutputStream;
import java.io.IOException;
```

```
public class UploadImage extends AppCompatActivity {
```

```
    private Spinner imageCategory;
    private CardView selectImage;
    private Button uploadImage;
    private ImageView galleryImageView;
    private String category;
    private final int REQ = 1;
    private Bitmap bitmap; // firstly we'll store img in bitmap
    ProgressDialog pd;
```

```
    private DatabaseReference reference,dbRef; //for database
    private StorageReference storageReference; //for storage
    String downloadUrl = "";
```

```
@Override
```

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

    selectImage = findViewById(R.id.addGalleryImage);
    imageCategory = findViewById(R.id.image_category);
```

```

uploadImage = findViewById(R.id.uploadImageBtn);
galleryImageView = findViewById(R.id.galleryImageView);
pd = new ProgressDialog(this);

reference = FirebaseDatabase.getInstance().getReference().child("Gallery");
storageReference = FirebaseStorage.getInstance().getReference().child("Gallery");
String[] items = new String[]{"Select Category", "Convocation", "Alumni Meet", "Freshers
Party", "Farewell Party", "Independence Day", "Republic Day", "Holi
Celebration", "Deepawali Celebration", "Vishwakarma Puja"};
imageCategory.setAdapter(new ArrayAdapter<String>(this,
android.R.layout.simple_spinner_dropdown_item, items));
imageCategory.setOnItemClickListener(new AdapterView.OnItemClickListener() {
    @Override
    public void onItemClick(AdapterView<?> adapterView, View view, int i, long l) {
        category = imageCategory.getSelectedItem().toString();
    }
    @Override
    public void onNothingSelected(AdapterView<?> adapterView) {
    }
});
//setting the ClickListener on selectImage
selectImage.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        openGallery(); //declared this method to open gallery
    }
});
//here we set the onClickListener on uploadImageBtn(uploadImage)
uploadImage.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        //first we check the user selected the images or not through 'bitmap'
        if (bitmap == null){
            Toast.makeText(UploadImage.this, "Please Select Image",
Toast.LENGTH_SHORT).show();
        } //than we check user selected the cat through 'category'
        else if (category.equals("Select Category")){
            Toast.makeText(UploadImage.this, "Please Select Image Category",
Toast.LENGTH_SHORT).show();
        } //when we got the both
        else{
            pd.setMessage("Uploading..");

```

```

        pd.show();
        //here called a method
        uploadImage();
    }
}
});
}

// here that method created to upload images
private void uploadImage() {
    ByteArrayOutputStream baos = new ByteArrayOutputStream();
    bitmap.compress(Bitmap.CompressFormat.JPEG, 100, baos);
    byte[] finalimg = baos.toByteArray();
    //creating filepath to store data
    final StorageReference filePath;
    filePath = storageReference.child(finalimg+".jpg");
    //uploading
    final UploadTask uploadTask = filePath.putBytes(finalimg);
    uploadTask.addOnCompleteListener(UploadImage.this, new
    OnCompleteListener<UploadTask.TaskSnapshot>() {
        @Override
        public void onComplete(@NonNull Task<UploadTask.TaskSnapshot> task) {
            if (task.isSuccessful()){
                uploadTask.addOnSuccessListener(new
                OnSuccessListener<UploadTask.TaskSnapshot>() {
                    @Override
                    public void onSuccess(UploadTask.TaskSnapshot taskSnapshot) {
                        filePath.getDownloadUrl().addOnSuccessListener(new OnSuccessListener<Uri>()
{
                            @Override
                            public void onSuccess(Uri uri) {
                                //we get the url of img in downloadUrl
                                downloadUrl = String.valueOf(uri);
                                //now we are going to upload data
                                uploadData();
                            }
                        });
                    }
                });
            }
        }
    });
    pd.dismiss();
}

```

```

        Toast.makeText(UploadImage.this, "Something Went Wrong",
Toast.LENGTH_SHORT).show();
    }
}
});
}
//this is the code to store your data in firebase database
private void uploadData() {
    //here by passing 'category' we store the data in that cat which selected by user
    dbRef = reference.child(category);
    final String uniquekey = dbRef.push().getKey();
    //now we set the data
    dbRef.child(uniquekey).setValue(downloadUrl).addOnSuccessListener(new
OnSuccessListener<Void>() {
        @Override
        public void onSuccess(Void aVoid) {
            pd.dismiss();
            Toast.makeText(UploadImage.this, "Image Uploaded Successfully",
Toast.LENGTH_SHORT).show();
        }
    }).addOnFailureListener(new OnFailureListener() {
        @Override
        public void onFailure(@NonNull Exception e) {
            pd.dismiss();
            Toast.makeText(UploadImage.this, "Something Went Wrong",
Toast.LENGTH_SHORT).show();
        }
    });
}
//here created that method to open Gallary
private void openGallery() {
    Intent pickImage = new Intent(Intent.ACTION_PICK,
MediaStore.Images.Media.EXTERNAL_CONTENT_URI);
    startActivityForResult();
}
@Override
protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
    super.onActivityResult(requestCode, resultCode, data);
    if(requestCode == REQ && resultCode == RESULT_OK){
        Uri uri = data.getData();
        try {
            bitmap = MediaStore.Images.Media.getBitmap(getContentResolver());

```



```

    } catch (IOException e) {
        e.printStackTrace();
    }
    galleryImageView.setImageBitmap(bitmap);
}
}
}

```

## activity\_upload\_pdf XML (Notes / Study Material)

```

<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".UploadPdfActivity">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical">
        <com.google.android.material.card.MaterialCardView
            android:layout_width="130dp"
            android:layout_height="150dp"
            android:layout_margin="10dp"
            android:id="@+id/addPdf"
            app:cardElevation="5dp"
            android:layout_gravity="center">
            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:orientation="vertical"
                android:gravity="center">
                <ImageView
                    android:layout_width="64dp"
                    android:layout_height="64dp"
                    android:background="@drawable/circle_red"
                    android:src="@drawable/ic_pdf"
                    android:padding="15dp"/>
                <View

```

```

        android:layout_width="match_parent"
        android:layout_height="1dp"
        android:background="@color/lightgrey"
        android:layout_marginTop="10dp"/>
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Select Notes"
    android:textStyle="bold"
    android:padding="5dp"
    android:layout_marginTop="10dp"
    android:textColor="@color/textcolor">
</TextView>
</LinearLayout>
</com.google.android.material.card.MaterialCardView>
<TextView
    android:id="@+id/pdfTextView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:text="No file selected "
    android:textSize="16sp" />
<com.google.android.material.textfield.TextInputLayout
    style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_marginTop="16dp">
    <com.google.android.material.textfield.TextInputEditText
        android:id="@+id/pdfTitle"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Notes Title" />
</com.google.android.material.textfield.TextInputLayout>
<com.google.android.material.button.MaterialButton
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Upload Notes"
    android:layout_marginTop="16dp"
    android:textAllCaps="false"
    android:id="@+id/uploadPdfBtn"/>
</LinearLayout>

```

</ScrollView>

## UploadPdfActivity JAVA

```
package akgecians.administrator;

import androidx.annotation.NonNull;
import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;
import androidx.cardview.widget.CardView;
import android.app.ProgressDialog;
import android.content.Intent;
import android.database.Cursor;
import android.graphics.Bitmap;
import android.net.Uri;
import android.os.Bundle;
import android.provider.MediaStore;
import android.provider.OpenableColumns;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.OnFailureListener;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
import com.google.firebase.storage.FirebaseStorage;
import com.google.firebase.storage.StorageReference;
import com.google.firebase.storage.UploadTask;
import java.io.File;
import java.io.IOException;
import java.util.HashMap;

public class UploadPdfActivity extends AppCompatActivity {

    private CardView addPdf;
    private EditText pdfTitle;
    private Button uploadPdfBtn;
```

```

private TextView pdfTextView;
private final int REQ = 1;

private String pdfName, title;
private Uri pdfData;
private DatabaseReference databaseReference;
private StorageReference storageReference;
String downloadUrl= "";
private ProgressDialog pd;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_upload_pdf);
    addPdf = findViewById(R.id.addPdf);
    pdfTitle = findViewById(R.id.pdfTitle);
    uploadPdfBtn = findViewById(R.id.uploadPdfBtn);
    pdfTextView = findViewById(R.id.pdfTextView);
    pd = new ProgressDialog(this);
    databaseReference = FirebaseDatabase.getInstance().getReference();
    storageReference = FirebaseStorage.getInstance().getReference();
    addPdf.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            openGallery(); //declared this method to open gallery
        }
    });
    uploadPdfBtn.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            title = pdfTitle.getText().toString();
            if (title.isEmpty()){
                pdfTitle.setError("Please Enter the Title");
                pdfTitle.requestFocus();
            }else if (pdfData == null){
                Toast.makeText(UploadPdfActivity.this, "Please Select Notes",
Toast.LENGTH_SHORT).show();
            }else {
                uploadPdf();
            }
        }
    }
}

```

```

    });
}
private void uploadPdf() {
    pd.setTitle("Please Wait...");
    pd.setMessage("Uploading Notes");
    pd.show();

    StorageReference reference = storageReference.child("pdf/" + pdfName + "-"
+System.currentTimeMillis() + ".pdf");
    reference.putFile(pdfData).addOnSuccessListener(new
OnSuccessListener<UploadTask.TaskSnapshot>() {
        @Override
        public void onSuccess(UploadTask.TaskSnapshot taskSnapshot) {
            Task<Uri> uriTask = taskSnapshot.getStorage().getDownloadUrl();
            while (!uriTask.isComplete());
            Uri uri = uriTask.getResult();
            uploadData(String.valueOf(uri));
        }
    }).addOnFailureListener(new OnFailureListener() {
        @Override
        public void onFailure(@NonNull Exception e) {
            pd.dismiss();
            Toast.makeText(UploadPdfActivity.this, "Something Went Wrong",
Toast.LENGTH_SHORT).show();
        }
    });
}
private void uploadData(String downloadUrl) {
    String uniqueKey = databaseReference.child("Study Materials").push().getKey();
    HashMap hp = new HashMap();
    hp.put("pdfTitle", title);
    hp.put("pdfUrl",downloadUrl);
    databaseReference.child("Study
Materials").child(uniqueKey).setValue(hp).addOnCompleteListener(new
OnCompleteListener<Void>() {
        @Override
        public void onComplete(@NonNull Task<Void> task) {
            pd.dismiss();
            Toast.makeText(UploadPdfActivity.this, "Notes Uploaded Successfully",
Toast.LENGTH_SHORT).show();
            pdfTitle.setText("");
        }
    }).addOnFailureListener(new OnFailureListener() {

```

```

        @Override
        public void onFailure(@NonNull Exception e) {
            pd.dismiss();
            Toast.makeText(UploadPdfActivity.this, "Uploading Failed",
Toast.LENGTH_SHORT).show();
        }
    });
}

private void openGallery() {
    Intent intent = new Intent();
    intent.setType("pdf/docs/ppt");
    intent.setAction(Intent.ACTION_GET_CONTENT);
    startActivityForResult(Intent.createChooser(intent, "Select PDF File"), REQ);
}

@Override
protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
    super.onActivityResult(requestCode, resultCode, data);
    if(requestCode == REQ && resultCode == RESULT_OK){
        pdfData = data.getData();
        Toast.makeText(this, ""+pdfData, Toast.LENGTH_SHORT).show();
        if (pdfData.toString().startsWith("content://")){
            Cursor cursor = null;
            try {
                cursor =
UploadPdfActivity.this.getContentResolver().query(pdfData,null,null,null,null);
                if (cursor != null && cursor.moveToFirst()){
                    //incomplete code to set  selected pdf name on layout
                }
            } catch (Exception e) {
                e.printStackTrace();
            }
        } else if(pdfData.toString().startsWith("file://")){
            pdfName = new File(pdfData.toString()).getName();
        }
    }
}
}
}

```

## activity\_update\_faculty XML (Faculty Layout)

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

```
<androidx.coordinatorlayout.widget.CoordinatorLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".faculty.UpdateFaculty">
<com.google.android.material.floatingactionbutton.FloatingActionButton
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:id="@+id/fab"
    style="@style/Widget.Design.FloatingActionButton"
    android:layout_gravity="bottom|right"
    android:layout_margin="16dp"
    android:src="@drawable/ic_add"
    android:elevation="3dp"
    app:fabSize="normal"/>
<androidx.core.widget.NestedScrollView
    android:layout_width="match_parent"
    android:layout_height="match_parent">
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">
<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Applied Sciences and Humanities"
    android:gravity="center"
    android:textSize="22sp"
    android:textColor="@color/textcolor"
    android:textStyle="bold"
    android:layout_marginTop="16dp"/>
<View
    android:layout_width="match_parent"
    android:layout_height="1.5dp"
    android:background="#070407"
    android:layout_marginVertical="8dp"/>
<androidx.recyclerview.widget.RecyclerView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
```

```

        android:id="@+id/appliedDepartment"
        android:nestedScrollingEnabled="false"
        android:visibility="gone"/>
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/appliedNoData"
        android:orientation="vertical">
        <include layout="@layout/no_data_found"/>
    <View
        android:layout_width="match_parent"
        android:layout_height="1dp"
        android:background="#ffcc00"
        android:layout_marginVertical="8dp"/>
    </LinearLayout>
<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Civil Engineering"
    android:gravity="center"
    android:textSize="22sp"
    android:textColor="@color/textcolor"
    android:textStyle="bold"
    android:layout_marginTop="16dp"/>
<View
    android:layout_width="match_parent"
    android:layout_height="1.5dp"
    android:background="#070407"
    android:layout_marginVertical="8dp"/>
<androidx.recyclerview.widget.RecyclerView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/civilDepartment"
    android:nestedScrollingEnabled="false"
    android:visibility="gone"/>
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/civilNoData"
        android:orientation="vertical">
        <include layout="@layout/no_data_found"/>

```



```

        <View
            android:layout_width="match_parent"
            android:layout_height="1dp"
            android:background="#ffcc00"
            android:layout_marginVertical="8dp"/>
    </LinearLayout>
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Computer Science and Engineering"
        android:gravity="center"
        android:textSize="22sp"
        android:textColor="@color/textcolor"
        android:textStyle="bold"
        android:layout_marginTop="16dp"/>
    <View
        android:layout_width="match_parent"
        android:layout_height="1.5dp"
        android:background="#070407"
        android:layout_marginVertical="8dp"/>
    <androidx.recyclerview.widget.RecyclerView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/csDepartment"
        android:nestedScrollingEnabled="false"
        android:visibility="gone"/>
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/csNoData"
        android:orientation="vertical">
        <include layout="@layout/no_data_found"/>
    <View
        android:layout_width="match_parent"
        android:layout_height="1dp"
        android:background="#ffcc00"
        android:layout_marginVertical="8dp"/>
    </LinearLayout>
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"

```

```

        android:text="Electrical and Electronics Engineering"
        android:gravity="center"
        android:textSize="22sp"
        android:textColor="@color/textcolor"
        android:textStyle="bold"
        android:layout_marginTop="16dp"/>
<View
    android:layout_width="match_parent"
    android:layout_height="1.5dp"
    android:background="#070407"
    android:layout_marginVertical="8dp"/>
<androidx.recyclerview.widget.RecyclerView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/eeeDepartment"
    android:nestedScrollingEnabled="false"
    android:visibility="gone"/>
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/eeeNoData"
        android:orientation="vertical">
        <include layout="@layout/no_data_found"/>
        <View
            android:layout_width="match_parent"
            android:layout_height="1dp"
            android:background="#ffcc00"
            android:layout_marginVertical="8dp"/>
        </LinearLayout>
<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Electronics and Communication Engineering"
    android:gravity="center"
    android:textSize="22sp"
    android:textColor="@color/textcolor"
    android:textStyle="bold"
    android:layout_marginTop="16dp"/>
<View
    android:layout_width="match_parent"
    android:layout_height="1.5dp"

```

```

        android:background="#070407"
        android:layout_marginVertical="8dp"/>
<androidx.recyclerview.widget.RecyclerView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/eceDepartment"
    android:nestedScrollingEnabled="false"
    android:visibility="gone"/>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/eceNoData"
    android:orientation="vertical">
    <include layout="@layout/no_data_found"/>
    <View
        android:layout_width="match_parent"
        android:layout_height="1dp"
        android:background="#ffcc00"
        android:layout_marginVertical="8dp"/>
</LinearLayout>
<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Mechanical Engineering"
    android:gravity="center"
    android:textSize="22sp"
    android:textColor="@color/textcolor"
    android:textStyle="bold"
    android:layout_marginTop="16dp"/>
<View
    android:layout_width="match_parent"
    android:layout_height="1.5dp"
    android:background="#070407"
    android:layout_marginVertical="8dp"/>
<androidx.recyclerview.widget.RecyclerView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/meDepartment"
    android:nestedScrollingEnabled="false"
    android:visibility="gone"/>
<LinearLayout

```

```

        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/meNoData"
        android:orientation="vertical">
<include layout="@layout/no_data_found"/>
<View
    android:layout_width="match_parent"
    android:layout_height="1dp"
    android:background="#ffcc00"
    android:layout_marginVertical="8dp"/>
</LinearLayout>
<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Information Technology"
    android:gravity="center"
    android:textSize="22sp"
    android:textColor="@color/textcolor"
    android:textStyle="bold"
    android:layout_marginTop="16dp"/>
<View
    android:layout_width="match_parent"
    android:layout_height="1.5dp"
    android:background="#070407"
    android:layout_marginVertical="8dp"/>
<androidx.recyclerview.widget.RecyclerView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/itDepartment"
    android:nestedScrollingEnabled="false"
    android:visibility="gone"/>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/itNoData"
    android:orientation="vertical">
<include layout="@layout/no_data_found"/>
<View
    android:layout_width="match_parent"
    android:layout_height="1dp"
    android:background="#ffcc00"

```

```

        android:layout_marginVertical="8dp"/>
    </LinearLayout>
</LinearLayout>
</androidx.core.widget.NestedScrollView>
</androidx.coordinatorlayout.widget.CoordinatorLayout>

```

### **no\_data\_found XML (for No Data)**

```

<?xml version="1.0" encoding="utf-8"?>
<com.google.android.material.card.MaterialCardView
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/noDataFound">
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="No Data Found"
        android:textColor="@color/textcolor"
        android:textSize="20sp"
        android:gravity="center"
        android:layout_margin="8dp"/>
</com.google.android.material.card.MaterialCardView>

```

### **faculty\_item\_layout XML (Faculty Data List)**

```

<?xml version="1.0" encoding="utf-8"?>
<com.google.android.material.card.MaterialCardView
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="4dp">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical">
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="horizontal"
            android:weightSum="2">

```

```
<LinearLayout
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:paddingLeft="12dp"
    android:layout_weight="1.5"
    android:orientation="vertical"
    android:gravity="center_vertical">
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/teacherName"
        android:text="Garv Singh"
        android:textColor="@color/textcolor"
        android:textSize="18sp"/>
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/teacherPost"
        android:text="Student"
        android:textColor="@color/textcolor"
        android:textSize="18sp"/>
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/teacherEmail"
        android:text="gtians@gmail.com"
        android:textColor="@color/textcolor"
        android:textSize="18sp"/>
    <com.google.android.material.button.MaterialButton
        android:id="@+id/teacherUpdate"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Update Info"
        android:layout_marginVertical="4dp"
        style="@style/Widget.MaterialComponents.Button.OutlinedButton"/>
</LinearLayout>
<de.hdodenhof.circleimageview.CircleImageView
    android:id="@+id/teacherImage"
    android:layout_width="80dp"
    android:layout_height="120dp"
    android:src="@drawable/fac"
```

```

        android:layout_gravity="center_horizontal"
        android:layout_weight="0.5"/>
</LinearLayout>
<View
    android:layout_width="match_parent"
    android:layout_height="1dp"
    android:background="#ffcc00"
    android:layout_marginVertical="8dp"/>
</LinearLayout>
</com.google.android.material.card.MaterialCardView>

```

## UpdateTeacherActivity JAVA

```

package akgecians.administrator.faculty;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Adapter;
import android.widget.LinearLayout;
import android.widget.Toast;
import com.google.android.material.floatingactionbutton.FloatingActionButton;
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 com.google.firebase.storage.FirebaseStorage;
import java.util.ArrayList;
import java.util.List;
import akgecians.administrator.R;

public class UpdateFaculty extends AppCompatActivity {
    FloatingActionButton fab;
    private RecyclerView appliedDepartment, civilDepartment, csDepartment, eeeDepartment,
    eceDepartment, meDepartment, itDepartment;

```

```

    private LinearLayout appliedNoData, civilNoData, csNoData, eeeNoData, eceNoData,
meNoData, itNoData;

    private List<TeacherData> list1, list2, list3, list4, list5, list6, list7;
    private TeacherAdapter adapter;
    private DatabaseReference reference, dbRef;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_update_faculty);
        appliedDepartment = findViewById(R.id.appliedDepartment);
        civilDepartment = findViewById(R.id.civilDepartment);
        csDepartment = findViewById(R.id.csDepartment);
        eeeDepartment = findViewById(R.id.eeeDepartment);
        eceDepartment = findViewById(R.id.eceDepartment);
        meDepartment = findViewById(R.id.meDepartment);
        itDepartment = findViewById(R.id.itDepartment);
        appliedNoData = findViewById(R.id.appliedNoData);
        civilNoData = findViewById(R.id.civilNoData);
        csNoData = findViewById(R.id.csNoData);
        eeeNoData = findViewById(R.id.eeeNoData);
        eceNoData = findViewById(R.id.eceNoData);
        meNoData = findViewById(R.id.meNoData);
        itNoData = findViewById(R.id.itNoData);
        reference = FirebaseDatabase.getInstance().getReference().child("Faculties");
        appliedDepartment();
        civilDepartment();
        csDepartment();
        eeeDepartment();
        eceDepartment();
        meDepartment();
        itDepartment();

        fab = findViewById(R.id.fab);
        fab.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                startActivity(new Intent(UpdateFaculty.this, AddTeacher.class));
            }
        });
    }

    private void appliedDepartment() {

```



```

dbRef = reference.child("Applied Sciences & Humanities");
dbRef.addValueEventListener(new ValueEventListener() {
    @Override
    public void onDataChange(@NonNull DataSnapshot snapshot) {
        list1 = new ArrayList<>();
        if (!snapshot.exists()){
            appliedNoData.setVisibility(View.VISIBLE);
            appliedDepartment.setVisibility(View.GONE);
        } else {
            appliedNoData.setVisibility(View.GONE);
            appliedDepartment.setVisibility(View.VISIBLE);
            for (DataSnapshot dataSnapshot: snapshot.getChildren()){
                TeacherData data = dataSnapshot.getValue(TeacherData.class);
                list1.add(data);
            }
            appliedDepartment.setHasFixedSize(true);
            appliedDepartment.setLayoutManager(new
LinearLayoutManager(UpdateFaculty.this));
            adapter = new TeacherAdapter(list1, UpdateFaculty.this, "Applied Sciences &
Humanities");
            appliedDepartment.setAdapter(adapter);
        }
    }
    @Override
    public void onCancelled(@NonNull DatabaseError error) {
        Toast.makeText(UpdateFaculty.this, error.getMessage(),
Toast.LENGTH_SHORT).show();
    }
});
}

private void civilDepartment() {
dbRef = reference.child("Civil Engineering");
dbRef.addValueEventListener(new ValueEventListener() {
    @Override
    public void onDataChange(@NonNull DataSnapshot snapshot) {
        list2 = new ArrayList<>();
        if (!snapshot.exists()){
            civilNoData.setVisibility(View.VISIBLE);
            civilDepartment.setVisibility(View.GONE);
        } else {
            civilNoData.setVisibility(View.GONE);

```

```

civilDepartment.setVisibility(View.VISIBLE);
for (DataSnapshot dataSnapshot: snapshot.getChildren()){
    TeacherData data = dataSnapshot.getValue(TeacherData.class);
    list2.add(data);
}
civilDepartment.setHasFixedSize(true);
civilDepartment.setLayoutManager(new LinearLayoutManager(UpdateFaculty.this));
adapter = new TeacherAdapter(list2, UpdateFaculty.this, "Civil Engineering");
civilDepartment.setAdapter(adapter);
}
}
@Override
public void onCancelled(@NonNull DatabaseError error) {
    Toast.makeText(UpdateFaculty.this, error.getMessage(),
Toast.LENGTH_SHORT).show();
}
});
}
private void csDepartment() {
dbRef = reference.child("Computer Science and Engineering");
dbRef.addValueEventListener(new ValueEventListener() {
    @Override
    public void onDataChange(@NonNull DataSnapshot snapshot) {
        list3 = new ArrayList<>();
        if (!snapshot.exists()){
            csNoData.setVisibility(View.VISIBLE);
            csDepartment.setVisibility(View.GONE);
        }else {
            csNoData.setVisibility(View.GONE);
            csDepartment.setVisibility(View.VISIBLE);
            for (DataSnapshot dataSnapshot: snapshot.getChildren()){
                TeacherData data = dataSnapshot.getValue(TeacherData.class);
                list3.add(data);
            }
            csDepartment.setHasFixedSize(true);
            csDepartment.setLayoutManager(new LinearLayoutManager(UpdateFaculty.this));
            adapter = new TeacherAdapter(list3, UpdateFaculty.this,"Computer Science and
Engineering");
            csDepartment.setAdapter(adapter);
        }
    }
}
}

```

```

        @Override
        public void onCancelled(@NonNull DatabaseError error) {
            Toast.makeText(UpdateFaculty.this, error.getMessage(),
Toast.LENGTH_SHORT).show();
        }
    });
}

private void eeeDepartment() {
    dbRef = reference.child("Electrical and Electronics Engineering");
    dbRef.addValueEventListener(new ValueEventListener() {
        @Override
        public void onDataChange(@NonNull DataSnapshot snapshot) {
            list4 = new ArrayList<>();
            if (!snapshot.exists()){
                eeeNoData.setVisibility(View.VISIBLE);
                eeeDepartment.setVisibility(View.GONE);
            }else {
                eeeNoData.setVisibility(View.GONE);
                eeeDepartment.setVisibility(View.VISIBLE);
                for (DataSnapshot dataSnapshot: snapshot.getChildren()){
                    TeacherData data = dataSnapshot.getValue(TeacherData.class);
                    list4.add(data);
                }
                eeeDepartment.setHasFixedSize(true);
                eeeDepartment.setLayoutManager(new LinearLayoutManager(UpdateFaculty.this));
                adapter = new TeacherAdapter(list4, UpdateFaculty.this,"Electrical and Electronics
Engineering");
                eeeDepartment.setAdapter(adapter);
            }
        }
    });
}

@Override
public void onCancelled(@NonNull DatabaseError error) {
    Toast.makeText(UpdateFaculty.this, error.getMessage(),
Toast.LENGTH_SHORT).show();
}
});
}

private void eceDepartment() {
    dbRef = reference.child("Electronics and Communication Engineering");
    dbRef.addValueEventListener(new ValueEventListener() {
        @Override

```

```

public void onDataChange(@NonNull DataSnapshot snapshot) {
    list5 = new ArrayList<>();
    if (!snapshot.exists()){
        eceNoData.setVisibility(View.VISIBLE);
        eceDepartment.setVisibility(View.GONE);
    }else {
        eceNoData.setVisibility(View.GONE);
        eceDepartment.setVisibility(View.VISIBLE);
        for (DataSnapshot dataSnapshot: snapshot.getChildren()){
            TeacherData data = dataSnapshot.getValue(TeacherData.class);
            list5.add(data);
        }
        eceDepartment.setHasFixedSize(true);
        eceDepartment.setLayoutManager(new LinearLayoutManager(UpdateFaculty.this));
        adapter = new TeacherAdapter(list5, UpdateFaculty.this, "Electronics and
Communication Engineering");
        eceDepartment.setAdapter(adapter);
    }
}

@Override
public void onCancelled(@NonNull DatabaseError error) {
    Toast.makeText(UpdateFaculty.this, error.getMessage(),
Toast.LENGTH_SHORT).show();
}

});
}

private void meDepartment() {
    dbRef = reference.child("Mechanical Engineering");
    dbRef.addValueEventListener(new ValueEventListener() {
        @Override
        public void onDataChange(@NonNull DataSnapshot snapshot) {
            list6 = new ArrayList<>();
            if (!snapshot.exists()){
                meNoData.setVisibility(View.VISIBLE);
                meDepartment.setVisibility(View.GONE);
            }else {
                meNoData.setVisibility(View.GONE);
                meDepartment.setVisibility(View.VISIBLE);
                for (DataSnapshot dataSnapshot: snapshot.getChildren()){
                    TeacherData data = dataSnapshot.getValue(TeacherData.class);
                    list6.add(data);
                }
            }
        }
    });
}

```

```

    }
    meDepartment.setHasFixedSize(true);
    meDepartment.setLayoutManager(new LinearLayoutManager(UpdateFaculty.this));
    adapter = new TeacherAdapter(list6, UpdateFaculty.this, "Mechanical Engineering");
    meDepartment.setAdapter(adapter);
    }
}

@Override
public void onCancelled(@NonNull DatabaseError error) {
    Toast.makeText(UpdateFaculty.this, error.getMessage(),
Toast.LENGTH_SHORT).show();
}
});
}

private void itDepartment() {
    dbRef = reference.child("Information Technology");
    dbRef.addValueEventListener(new ValueEventListener() {
        @Override
        public void onDataChange(@NonNull DataSnapshot snapshot) {
            list7 = new ArrayList<>();
            if (!snapshot.exists()){
                itNoData.setVisibility(View.VISIBLE);
                itDepartment.setVisibility(View.GONE);
            }else {
                itNoData.setVisibility(View.GONE);
                itDepartment.setVisibility(View.VISIBLE);
                for (DataSnapshot dataSnapshot: snapshot.getChildren()){
                    TeacherData data = dataSnapshot.getValue(TeacherData.class);
                    list7.add(data);
                }
                itDepartment.setHasFixedSize(true);
                itDepartment.setLayoutManager(new LinearLayoutManager(UpdateFaculty.this));
                adapter = new TeacherAdapter(list7, UpdateFaculty.this, "Information Technology");
                itDepartment.setAdapter(adapter);
            }
        }
    });

    @Override
    public void onCancelled(@NonNull DatabaseError error) {
        Toast.makeText(UpdateFaculty.this, error.getMessage(),
Toast.LENGTH_SHORT).show();
    }
}

```

```

    });
}
}

```

## TeacherAdapter JAVA

```

package akgecians.administrator.faculty;
import android.content.Context;
import android.content.Intent;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;
import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;
import com.squareup.picasso.Picasso;
import java.util.List;
import akgecians.administrator.R;

public class TeacherAdapter extends
RecyclerView.Adapter<TeacherAdapter.TeacherViewHolder> {
    private List<TeacherData> list;
    private Context context;
    private String category;
    //here we create constructor below of variables declared just above
    public TeacherAdapter(List<TeacherData> list, Context context, String category) {
        this.list = list;
        this.context = context;
        this.category = category;
    }
    @NonNull
    @Override
    public TeacherViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType)
    {
        View view = LayoutInflater.from(context).inflate(R.layout.faculty_item_layout, parent, false);
        return new TeacherViewHolder(view);
    }
    @Override
    public void onBindViewHolder(@NonNull TeacherViewHolder holder, int position) {

```

```

        TeacherData item = list.get(position);
        holder.name.setText(item.getName());
        holder.post.setText(item.getPost());
        holder.email.setText(item.getEmail());
    try {
        Picasso.get().load(item.getImage()).into(holder.imageView);
    } catch (Exception e) {
        e.printStackTrace();
    }
    holder.update.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            Intent intent = new Intent(context, UpdateTeacherActivity.class);
            intent.putExtra("name", item.getName());
            intent.putExtra("post", item.getPost());
            intent.putExtra("email", item.getEmail());
            intent.putExtra("image", item.getImage());
            intent.putExtra("key", item.getKey());
            intent.putExtra("category", category);
            context.startActivity(intent);
        }
    });
}

@Override
public int getItemCount() {
    return list.size();
}

public class TeacherViewAdapter extends RecyclerView.ViewHolder {
    private TextView name, post, email;
    private Button update;
    private ImageView imageView;
    public TeacherViewAdapter(@NonNull View itemView) {
        super(itemView);
        name = itemView.findViewById(R.id.teacherName);
        post = itemView.findViewById(R.id.teacherPost);
        email = itemView.findViewById(R.id.teacherEmail);
        imageView = itemView.findViewById(R.id.teacherImage);
        update = itemView.findViewById(R.id.teacherUpdate);
    }
}
}

```

## activity\_update\_teacher XML (Upadte /Delete Faculty)

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="15dp"
    tools:context=".faculty.UpdateTeacherActivity">
    <de.hdodenhof.circleimageview.CircleImageView
        android:layout_width="150dp"
        android:layout_height="150dp"
        android:id="@+id/updateTeacherImage"
        android:layout_gravity="center_horizontal"
        android:src="@drawable/fac"
        android:layout_marginTop="36dp"/>
    <com.google.android.material.textfield.TextInputLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="24dp"
        style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox">
        <com.google.android.material.textfield.TextInputEditText
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Name"
            android:inputType="text"
            android:id="@+id/updateTeacherName"/>
    </com.google.android.material.textfield.TextInputLayout>
    <com.google.android.material.textfield.TextInputLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="24dp"
        style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox">
        <com.google.android.material.textfield.TextInputEditText
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Post"
            android:inputType="text"
```



```

        android:id="@+id/updateTeacherPost"/>
</com.google.android.material.textfield.TextInputLayout>
<com.google.android.material.textfield.TextInputLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="24dp"
    style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox">
    <com.google.android.material.textfield.TextInputEditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Email"
        android:inputType="text"
        android:id="@+id/updateTeacherEmail"/>
</com.google.android.material.textfield.TextInputLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:weightSum="2"
    android:orientation="horizontal"
    android:layout_marginTop="24dp">
    <com.google.android.material.button.MaterialButton
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:text="Update"
        android:textAllCaps="false"
        android:layout_marginRight="8dp"
        android:id="@+id/updateTeacherBtn"/>
    <com.google.android.material.button.MaterialButton
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:text="Delete"
        android:textAllCaps="false"
        android:layout_marginLeft="8dp"
        android:id="@+id/deleteTeacherBtn"/>
</LinearLayout>
</LinearLayout>

```

## UpdateTeacherActivity JAVA

```
package akgecians.administrator.faculty;
import androidx.annotation.NonNull;
import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;
import android.app.ProgressDialog;
import android.content.Intent;
import android.graphics.Bitmap;
import android.net.Uri;
import android.os.Bundle;
import android.provider.MediaStore;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.Toast;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.OnFailureListener;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.android.gms.tasks.Task;
import com.google.android.material.button.MaterialButton;
import com.google.android.material.textfield.TextInputEditText;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
import com.google.firebase.storage.FirebaseStorage;
import com.google.firebase.storage.StorageReference;
import com.google.firebase.storage.UploadTask;
import com.squareup.picasso.Picasso;
import java.io.ByteArrayOutputStream;
import java.io.IOException;
import java.util.HashMap;
import akgecians.administrator.R;
import de.hdodenhof.circleimageview.CircleImageView;
```

```
public class UpdateTeacherActivity extends AppCompatActivity {
```

```
    private ImageView updateTeacherImage;
    private EditText updateTeacherName, updateTeacherPost, updateTeacherEmail;
    private Button updateTeacherBtn, deleteTeacherBtn;
    private String name,email,image,post;
    private final int REQ = 1;
    private Bitmap bitmap = null;
```

```
private DatabaseReference reference, dbRef;
private StorageReference storageReference;
private String downloadUrl;
private ProgressDialog pd;
private String category, uniqueKey;
```

```
@Override
```

```
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_update_teacher);
    uniqueKey = getIntent().getStringExtra("key");
    category = getIntent().getStringExtra("category");
    name = getIntent().getStringExtra("name");
    post = getIntent().getStringExtra("post");
    email = getIntent().getStringExtra("email");
    image = getIntent().getStringExtra("image");
    updateTeacherImage = findViewById(R.id.updateTeacherImage);
    updateTeacherName = findViewById(R.id.updateTeacherName);
    updateTeacherPost = findViewById(R.id.updateTeacherPost);
    updateTeacherEmail = findViewById(R.id.updateTeacherEmail);
    updateTeacherBtn = findViewById(R.id.updateTeacherBtn);
    deleteTeacherBtn = findViewById(R.id.deleteTeacherBtn);
    reference = FirebaseDatabase.getInstance().getReference().child("Faculties");
    storageReference = FirebaseStorage.getInstance().getReference().child("Faculties");
    pd = new ProgressDialog(this);
    try {
        Picasso.get().load(image).into(updateTeacherImage);
    } catch (Exception e) {
        e.printStackTrace();
    }
    updateTeacherName.setText(name);
    updateTeacherPost.setText(post);
    updateTeacherEmail.setText(email);
    updateTeacherImage.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            openGallery();
        }
    });
    updateTeacherBtn.setOnClickListener(new View.OnClickListener() {
        @Override
```

```

        public void onClick(View view) {
            name = updateTeacherName.getText().toString();
            post = updateTeacherPost.getText().toString();
            email = updateTeacherEmail.getText().toString();
            checkValidation();
        }
    });
    deleteTeacherBtn.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            deleteData();
        }
    });
}

private void checkValidation() {
    if (name.isEmpty()){
        updateTeacherName.setError("Please Enter Name");
        updateTeacherName.requestFocus();
    }else if (post.isEmpty()){
        updateTeacherPost.setError("Please Enter Post");
        updateTeacherPost.requestFocus();
    }else if (email.isEmpty()){
        updateTeacherEmail.setError("Please Enter Email");
        updateTeacherEmail.requestFocus();
    }else if (bitmap == null){
        updateData(image);
    }else {
        uploadImage();
    }
}

private void updateData(String s) {
    HashMap hp = new HashMap();
    hp.put("name", name);
    hp.put("post", post);
    hp.put("email", email);
    hp.put("image", s);
    reference.child(category).child(uniqueKey).updateChildren(hp).addOnSuccessListener(new
    OnSuccessListener() {
        @Override
        public void onSuccess(Object o) {

```

[illegible]

```

        downloadUrl = String.valueOf(uri);
        updateData(downloadUrl);
    }
});
}
});
}else{
    pd.dismiss();
    Toast.makeText(UpdateTeacherActivity.this, "Something Went Wrong",
    Toast.LENGTH_SHORT).show();
}
}
});
}
private void deleteData() {
    pd.setMessage("Deleting...");
    pd.show();
    reference.child(category).child(uniqueKey).removeValue().addOnCompleteListener(new
    OnCompleteListener<Void>() {
        @Override
        public void onComplete(@NonNull Task<Void> task) {

            Toast.makeText(UpdateTeacherActivity.this, "Faculty Deleted Successfully",
            Toast.LENGTH_SHORT).show();

            Intent intent = new Intent(UpdateTeacherActivity.this,UpdateFaculty.class);

            intent.addFlags(Intent.FLAG_ACTIVITY_CLEAR_TASK |
Intent.FLAG_ACTIVITY_CLEAR_TOP);
            startActivity(intent);
        }
    }).addOnFailureListener(new OnFailureListener() {
        @Override
        public void onFailure(@NonNull Exception e) {
            Toast.makeText(UpdateTeacherActivity.this, "Something Went Wrong",
            Toast.LENGTH_SHORT).show();
            pd.dismiss();
        }
    });
}
private void openGallery() {
    Intent pickImage = new Intent(Intent.ACTION_PICK,
    MediaStore.Images.Media.EXTERNAL_CONTENT_URI);

```

```
        startActivityResultForResult(pickImage,REQ);
    }
    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        if(requestCode == REQ && resultCode == RESULT_OK){
            Uri uri = data.getData();
            try {
                bitmap = MediaStore.Images.Media.getBitmap(getContentResolver(),uri);
            } catch (IOException e) {
                e.printStackTrace();
            }
            updateTeacherImage.setImageBitmap(bitmap);
        }
    }
}
```

