### SOURCE CODE

**ADMIN**

**ANDROID MANIFESTS**

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

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

package="com.example.admincollegeapp">

<uses-permission android:name="android.permission.INTERNET"/>

<uses-permission android:name="android.permission.READ\_EXTERNAL\_STORAGE"/>

<application

android:allowBackup="true"

android:icon="@drawable/logoadmin"

android:label="Vitech(Admin)"

android:roundIcon="@drawable/logoadmin"

android:supportsRtl="true"

android:theme="@style/AppTheme">

<activity android:name=".notice.DeleteNoticeActivity"></activity>

<activity android:name=".faculty.UpdateTeacherActivity" />

<activity android:name=".faculty.AddTeacher" />

<activity android:name=".faculty.UpdateFaculty" />

<activity android:name=".UploadPdfActivity" />

<activity android:name=".UploadImage" />

<activity android:name=".notice.UploadNotice" />

<activity android:name=".MainActivity">

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

</application>

<uses-permission android:name="android.permission.READ\_EXTERNAL\_STORAGE" />

<uses-permission android:name="android.permission.INTERNET" />

</manifest>

**ADD FACULTY**

package com.example.admincollegeapp.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.LinearLayout;

import android.widget.Toast;

import com.example.admincollegeapp.R;

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 java.util.ArrayList;

import java.util.List;

public class UpdateFaculty extends AppCompatActivity {

FloatingActionButton fab;

private RecyclerView csDepartment, itDepartment, electricalDepartment, mechanicalDepartment;

private LinearLayout csNoData, itNoData, electricalNoData,mechanicalNoData;

private List<TeacherData> list1, list2, list3 , list4;

private TeacherAdapter adapter;

private DatabaseReference reference, dbRef;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_update\_faculty);

csDepartment = findViewById(R.id.csDepartment);

itDepartment = findViewById(R.id.itDepartment);

electricalDepartment = findViewById(R.id.electricalDepartment);

mechanicalDepartment = findViewById(R.id.mechanicalDepartment);

csNoData = findViewById(R.id.csNoData);

itNoData = findViewById(R.id.itNoData);

electricalNoData = findViewById(R.id.electricalNoData);

mechanicalNoData = findViewById(R.id.mechanicalNoData);

reference = FirebaseDatabase.getInstance().getReference().child("teacher");

csDepartment();

itDepartment();

electricalDepartment();

mechanicalDepartment();

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 csDepartment() {

dbRef = reference.child("Computer Science");

dbRef.addValueEventListener(new ValueEventListener() {

@Override

public void onDataChange(@NonNull DataSnapshot dataSnapshot) {

list1 = new ArrayList<>();

if (!dataSnapshot.exists()){

csNoData.setVisibility(View.VISIBLE);

csDepartment.setVisibility(View.GONE);

}else {

csNoData.setVisibility(View.GONE);

csDepartment.setVisibility(View.VISIBLE);

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

TeacherData data = snapshot.getValue(TeacherData.class);

list1.add(data);

}

csDepartment.setHasFixedSize(true);

csDepartment.setLayoutManager(new LinearLayoutManager(UpdateFaculty.this));

adapter = new TeacherAdapter(list1, UpdateFaculty.this, "Computer Science");

csDepartment.setAdapter(adapter);

}

}

@Override

public void onCancelled(@NonNull DatabaseError databaseError) {

Toast.makeText(UpdateFaculty.this, databaseError.getMessage(), Toast.LENGTH\_SHORT).show();

}

});

}

private void itDepartment() {

dbRef = reference.child("Information Technology");

dbRef.addValueEventListener(new ValueEventListener() {

@Override

public void onDataChange(@NonNull DataSnapshot dataSnapshot) {

list2 = new ArrayList<>();

if (!dataSnapshot.exists()){

itNoData.setVisibility(View.VISIBLE);

itDepartment.setVisibility(View.GONE);

}else {

itNoData.setVisibility(View.GONE);

itDepartment.setVisibility(View.VISIBLE);

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

TeacherData data = snapshot.getValue(TeacherData.class);

list2.add(data);

}

itDepartment.setHasFixedSize(true);

itDepartment.setLayoutManager(new LinearLayoutManager(UpdateFaculty.this));

adapter = new TeacherAdapter(list2, UpdateFaculty.this,"Information Technology");

itDepartment.setAdapter(adapter);

}

}

@Override

public void onCancelled(@NonNull DatabaseError databaseError) {

Toast.makeText(UpdateFaculty.this, databaseError.getMessage(), Toast.LENGTH\_SHORT).show();

}

});

}

private void electricalDepartment() {

dbRef = reference.child("Electrical");

dbRef.addValueEventListener(new ValueEventListener() {

@Override

public void onDataChange(@NonNull DataSnapshot dataSnapshot) {

list3 = new ArrayList<>();

if (!dataSnapshot.exists()){

electricalNoData.setVisibility(View.VISIBLE);

electricalDepartment.setVisibility(View.GONE);

}else {

electricalNoData.setVisibility(View.GONE);

electricalDepartment.setVisibility(View.VISIBLE);

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

TeacherData data = snapshot.getValue(TeacherData.class);

list3.add(data);

}

electricalDepartment.setHasFixedSize(true);

electricalDepartment.setLayoutManager(new LinearLayoutManager(UpdateFaculty.this));

adapter = new TeacherAdapter(list3, UpdateFaculty.this, "Electrical");

electricalDepartment.setAdapter(adapter);

}

}

@Override

public void onCancelled(@NonNull DatabaseError databaseError) {

Toast.makeText(UpdateFaculty.this, databaseError.getMessage(), Toast.LENGTH\_SHORT).show();

}

});

}

private void mechanicalDepartment() {

dbRef = reference.child("Mechanical");

dbRef.addValueEventListener(new ValueEventListener() {

@Override

public void onDataChange(@NonNull DataSnapshot dataSnapshot) {

list4 = new ArrayList<>();

if (!dataSnapshot.exists()){

mechanicalNoData.setVisibility(View.VISIBLE);

mechanicalDepartment.setVisibility(View.GONE);

}else {

mechanicalNoData.setVisibility(View.GONE);

mechanicalDepartment.setVisibility(View.VISIBLE);

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

TeacherData data = snapshot.getValue(TeacherData.class);

list4.add(data);

}

mechanicalDepartment.setHasFixedSize(true);

mechanicalDepartment.setLayoutManager(new LinearLayoutManager(UpdateFaculty.this));

adapter = new TeacherAdapter(list4, UpdateFaculty.this, "Mechanical");

mechanicalDepartment.setAdapter(adapter);

}

}

@Override

public void onCancelled(@NonNull DatabaseError databaseError) {

Toast.makeText(UpdateFaculty.this, databaseError.getMessage(), Toast.LENGTH\_SHORT).show();

}

});

}

}

**UPLOAD NOTICE**

package com.example.admincollegeapp.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.example.admincollegeapp.R;

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;

public class UploadNotice extends AppCompatActivity {

private CardView addImage;

private ImageView noticeImageView;

private EditText noticeTitle;

private Button uploadNoticeBtn;

private final int REQ = 1;

private Bitmap bitmap;

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);

reference = FirebaseDatabase.getInstance().getReference();

storageReference = FirebaseStorage.getInstance().getReference();

pd = new ProgressDialog(this);

addImage = findViewById(R.id.addImage);

noticeImageView = findViewById(R.id.noticeImageView);

noticeTitle = findViewById(R.id.noticeTitle);

uploadNoticeBtn = findViewById(R.id.uploadNoticeBtn);

addImage.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

openGallery();

}

});

uploadNoticeBtn.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

if (noticeTitle.getText().toString().isEmpty()){

noticeTitle.setError("Emtpy");

noticeTitle.requestFocus();

}else if (bitmap == null){

uploadData();

}else{

uploadImage();

}

}

});

}

private void uploadImage() {

pd.setMessage("Uploading...");

pd.show();

ByteArrayOutputStream baos = new ByteArrayOutputStream();

bitmap.compress(Bitmap.CompressFormat.JPEG, 50,baos);

byte[] finalimg = baos.toByteArray();

final StorageReference filePath;

filePath = storageReference.child("Notice").child(finalimg+"jpg");

final UploadTask uploadTask = filePath.putBytes(finalimg);

uploadTask.addOnCompleteListener(UploadNotice.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(UploadNotice.this, "Something went wrong", Toast.LENGTH\_SHORT).show();

}

}

});

}

private void uploadData() {

dbRef = reference.child("Notice");

final String uniqueKey = dbRef.push().getKey();

String title = noticeTitle.getText().toString();

Calendar calForDate = Calendar.getInstance();

SimpleDateFormat currentDate = new SimpleDateFormat("dd-MM-yy");

String date = currentDate.format(calForDate.getTime());

Calendar calForTime = Calendar.getInstance();

SimpleDateFormat currentTime = new SimpleDateFormat("hh:mm a");

String time = currentTime.format(calForTime.getTime());

NoticeData noticeData = new NoticeData(title,downloadUrl,date,time,uniqueKey);

dbRef.child(uniqueKey).setValue(noticeData).addOnSuccessListener(new OnSuccessListener<Void>() {

@Override

public void onSuccess(Void aVoid) {

pd.dismiss();

Toast.makeText(UploadNotice.this, "Notice Uploaded", Toast.LENGTH\_SHORT).show();

}

}).addOnFailureListener(new OnFailureListener() {

@Override

public void onFailure(@NonNull Exception e) {

pd.dismiss();

Toast.makeText(UploadNotice.this, "Something went wrong", Toast.LENGTH\_SHORT).show();

}

});

}

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();

try {

bitmap = MediaStore.Images.Media.getBitmap(getContentResolver(),uri);

} catch (IOException e) {

e.printStackTrace();

}

noticeImageView.setImageBitmap(bitmap);

}

}

}

**UPLOAD PHOTO**

package com.example.admincollegeapp;

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.ArrayAdapter;

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;

ProgressDialog pd;

private DatabaseReference reference;

private StorageReference storageReference;

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);

reference = FirebaseDatabase.getInstance().getReference().child("gallery");

storageReference = FirebaseStorage.getInstance().getReference().child("gallery");

pd = new ProgressDialog(this);

String [] items = new String[]{"Select Category","College Campus","Unifests","Other Events"};

imageCategory.setAdapter(new ArrayAdapter<String>(this, android.R.layout.simple\_spinner\_dropdown\_item,items));

imageCategory.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {

@Override

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

category = imageCategory.getSelectedItem().toString();

}

@Override

public void onNothingSelected(AdapterView<?> parent) {

}

});

selectImage.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

openGallery();

}

});

uploadImage.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

if (bitmap == null){

Toast.makeText(UploadImage.this, "PLease upload Image", Toast.LENGTH\_SHORT).show();

}

else if (category.equals("Select Category")){

Toast.makeText(UploadImage.this, "Please select image category ", Toast.LENGTH\_SHORT).show();

}

else{

pd.setMessage("Uploading...");

pd.show();

uploadImage();

}

}

});

}

private void uploadImage() {

ByteArrayOutputStream baos = new ByteArrayOutputStream();

bitmap.compress(Bitmap.CompressFormat.JPEG, 50,baos);

byte[] finalimg = baos.toByteArray();

final StorageReference filePath;

filePath = storageReference.child(finalimg+"jpg");

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) {

downloadUrl = String.valueOf(uri);

uploadData();

}

});

}

});

}else {

pd.dismiss();

Toast.makeText(UploadImage.this, "Something went wrong", Toast.LENGTH\_SHORT).show();

}

}

});

}

private void uploadData() {

reference = reference.child(category);

final String uniqueKey = reference.push().getKey();

reference.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();

}

});

}

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();

try {

bitmap = MediaStore.Images.Media.getBitmap(getContentResolver(),uri);

} catch (IOException e) {

e.printStackTrace();

}

galleryImageView.setImageBitmap(bitmap);

}

}

}

**UPLOAD PDF**

package com.example.admincollegeapp;

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 pdfTexView;

private String pdfName, title;

private final int REQ = 1;

private Uri pdfData;

private DatabaseReference databaseReferencere;

private StorageReference storageReference;

String downloadUrl = "";

private ProgressDialog pd;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_upload\_pdf);

databaseReferencere = FirebaseDatabase.getInstance().getReference();

storageReference = FirebaseStorage.getInstance().getReference();

pd = new ProgressDialog(this);

addPdf = findViewById(R.id.addPdf);

pdfTitle = findViewById(R.id.pdfTitle);

uploadPdfBtn = findViewById(R.id.uploadPdfBtn);

pdfTexView = findViewById(R.id.pdfTextView);

addPdf.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

openGallery();

}

});

uploadPdfBtn.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

title = pdfTitle.getText().toString();

if (title.isEmpty()){

pdfTitle.setError("Empty");

pdfTitle.requestFocus();

}else if (pdfData == null) {

Toast.makeText(UploadPdfActivity.this, "Please select pdf", Toast.LENGTH\_SHORT).show();

}else{

uploadPdf();

}

}

});

}

private void uploadPdf() {

pd.setTitle("Please Wait...");

pd.setMessage("Uploading Pdf");

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 = databaseReferencere.child("pdf").push().getKey();

HashMap data = new HashMap();

data.put("pdfTitle",title);

data.put("pdfUrl",downloadUrl);

databaseReferencere.child("pdf").child(uniqueKey).setValue(data).addOnCompleteListener(new OnCompleteListener<Void>() {

@Override

public void onComplete(@NonNull Task<Void> task) {

pd.dismiss();

Toast.makeText(UploadPdfActivity.this, "Pdf uploaded Successfully", Toast.LENGTH\_SHORT).show();

pdfTitle.setText("");

}

}).addOnFailureListener(new OnFailureListener() {

@Override

public void onFailure(@NonNull Exception e) {

pd.dismiss();

Toast.makeText(UploadPdfActivity.this, "Failed to upload Pdf", Toast.LENGTH\_SHORT).show();

}

});

}

private void openGallery() {

Intent intent = new Intent();

intent.setType("application/pdf");

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();

if (pdfData.toString().startsWith("content://")) {

Cursor cursor = null;

try {

cursor = UploadPdfActivity.this.getContentResolver().query(pdfData,null,null,null,null);

if (cursor != null && cursor.moveToFirst()){

pdfName = cursor.getString(cursor.getColumnIndex(OpenableColumns.DISPLAY\_NAME));

}

} catch (Exception e) {

e.printStackTrace();

}

} else if (pdfData.toString().startsWith("file:/")) {

pdfName = new File(pdfData.toString()).getName();

}

pdfTexView.setText(pdfName);

}

}

}

**USER APPLICATION**

**ANDROID MANIFESTS**

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

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

package="com.example.ViTechcollege">

<application

android:allowBackup="true"

android:icon="@drawable/icon"

android:label="@string/app\_name"

android:roundIcon="@drawable/icon"

android:supportsRtl="true"

android:theme="@style/AppTheme">

<activity android:name=".DeveloperActivity"

android:parentActivityName=".MainActivity"></activity>

<activity android:name=".FullImageView" />

<activity android:name=".ebook.PdfViewerActivity" />

<activity

android:name=".ebook.EbookActivity"

android:parentActivityName=".MainActivity" />

<activity android:name=".MainActivity">

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

</application>

<uses-permission android:name="android.permission.READ\_EXTERNAL\_STORAGE" />

<uses-permission android:name="android.permission.INTERNET" />

</manifest>

**HOME MODULE**

package com.example.vItECHcollege.ui.home;

import android.content.Intent;

import android.net.Uri;

import android.os.Bundle;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.ImageView;

import androidx.fragment.app.Fragment;

import com.example.viTechcollege.R;

import com.smarteist.autoimageslider.DefaultSliderView;

import com.smarteist.autoimageslider.IndicatorAnimations;

import com.smarteist.autoimageslider.SliderAnimations;

import com.smarteist.autoimageslider.SliderLayout;

public class HomeFragment extends Fragment {

private SliderLayout sliderLayout;

private ImageView map;

@Override

public View onCreateView(LayoutInflater inflater, ViewGroup container,

Bundle savedInstanceState) {

// Inflate the layout for this fragment

View view = inflater.inflate(R.layout.fragment\_home, container, false);

sliderLayout = view.findViewById(R.id.slider);

sliderLayout.setIndicatorAnimation(IndicatorAnimations.FILL);

sliderLayout.setSliderTransformAnimation(SliderAnimations.SIMPLETRANSFORMATION);

sliderLayout.setScrollTimeInSec(1);

setSliderViews();

map = view.findViewById(R.id.map);

map.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

openMap();

}

});

return view;

}

private void openMap() {

Uri uri = Uri.parse("geo:0, 0?q=Velammal Institute of Technology,panchetti");

Intent intent = new Intent(Intent.ACTION\_VIEW, uri);

intent.setPackage("com.google.android.apps.maps");

startActivity(intent);

}

private void setSliderViews() {

for (int i = 0; i< 4; i++){

DefaultSliderView sliderView = new DefaultSliderView(getContext());

switch (i){

case 0:

sliderView.setImageUrl("https://firebasestorage.googleapis.com/v0/b/ViTech-college-app.appspot.com/o/photos%2Fgal1.jpg?alt=media&token=8c5ad8d9-3569-4f0c-90c5-27ad60c18cb0");

break;

case 1:

sliderView.setImageUrl("https://firebasestorage.googleapis.com/v0/b/ViTech-college-app.appspot.com/o/photos%2Fgal2.jpg?alt=media&token=a8c9eeb0-76c4-4b37-aa21-9a0b001886bb");

break;

case 2:

sliderView.setImageUrl("https://firebasestorage.googleapis.com/v0/b/ViTech-college-app.appspot.com/o/photos%2Fgal3.jpg?alt=media&token=5d3e19d9-65ed-459f-b871-4054651505f3");

break;

case 3:

sliderView.setImageUrl("https://firebasestorage.googleapis.com/v0/b/ViTech-college-app.appspot.com/o/photos%2Fgal4.jpg?alt=media&token=224ea746-fc5c-40df-867b-023aa5e14c3d");

break;

}

sliderView.setImageScaleType(ImageView.ScaleType.CENTER\_CROP);

sliderLayout.addSliderView(sliderView);

}

}

}

**NOTICE MODULE**

package com.example.Vitechcollege.ui.notice;

import android.content.Context;

import android.content.Intent;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.ImageView;

import android.widget.TextView;

import androidx.annotation.NonNull;

import androidx.recyclerview.widget.RecyclerView;

import com.bumptech.glide.Glide;

import com.example.ViTechcollege.FullImageView;

import com.example.ViTechcollege.R;

import java.util.ArrayList;

public class NoticeAdapter extends RecyclerView.Adapter<NoticeAdapter.NoticeViewAdapter> {

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, final int position) {

final NoticeData currentItem = list.get(position);

holder.deleteNoticeTitle.setText(currentItem.getTitle());

holder.date.setText(currentItem.getDate());

holder.time.setText(currentItem.getTime());

try {

if (currentItem.getImage() != null) {

Glide.with(context).load(currentItem.getImage()).into(holder.deleteNoticeImage);

}

} catch (Exception e) {

e.printStackTrace();

}

holder.deleteNoticeImage.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Intent intent = new Intent(context, FullImageView.class);

intent.putExtra("image",currentItem.getImage());

context.startActivity(intent);

}

});

}

@Override

public int getItemCount() {

return list.size();

}

public class NoticeViewAdapter extends RecyclerView.ViewHolder {

private TextView deleteNoticeTitle, date, time;

private ImageView deleteNoticeImage;

public NoticeViewAdapter(@NonNull View itemView) {

super(itemView);

deleteNoticeTitle = itemView.findViewById(R.id.deleteNoticeTitle);

deleteNoticeImage = itemView.findViewById(R.id.deleteNoticeImage);

date = itemView.findViewById(R.id.date);

time = itemView.findViewById(R.id.time);

}

}

}

**FACULTY MODULE**

package com.example.Vitechcollege.ui.faculty;

import android.os.Bundle;

import androidx.annotation.NonNull;

import androidx.fragment.app.Fragment;

import androidx.recyclerview.widget.LinearLayoutManager;

import androidx.recyclerview.widget.RecyclerView;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.LinearLayout;

import android.widget.Toast;

import com.example.ViTechcollege.R;

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;

public class FacultyFragment extends Fragment {

private RecyclerView csDepartment, itDepartment, electricalDepartment, mechanicalDepartment;

private LinearLayout csNoData, itNoData, electricalNoData,mechanicalNoData;

private List<TeacherData> list1, list2, list3 , list4;

private TeacherAdapter adapter;

private DatabaseReference reference, dbRef;

@Override

public View onCreateView(LayoutInflater inflater, ViewGroup container,

Bundle savedInstanceState) {

// Inflate the layout for this fragment

View view = inflater.inflate(R.layout.fragment\_faculty, container, false);

csDepartment = view.findViewById(R.id.csDepartment);

itDepartment = view.findViewById(R.id.itDepartment);

electricalDepartment = view.findViewById(R.id.electricalDepartment);

mechanicalDepartment = view.findViewById(R.id.mechanicalDepartment);

csNoData = view.findViewById(R.id.csNoData);

itNoData = view.findViewById(R.id.itNoData);

electricalNoData = view.findViewById(R.id.electricalNoData);

mechanicalNoData = view.findViewById(R.id.mechanicalNoData);

reference = FirebaseDatabase.getInstance().getReference().child("teacher");

csDepartment();

itDepartment();

electricalDepartment();

mechanicalDepartment();

return view;

}

private void csDepartment() {

dbRef = reference.child("Computer Science");

dbRef.addValueEventListener(new ValueEventListener() {

@Override

public void onDataChange(@NonNull DataSnapshot dataSnapshot) {

list1 = new ArrayList<>();

if (!dataSnapshot.exists()){

csNoData.setVisibility(View.VISIBLE);

csDepartment.setVisibility(View.GONE);

}else {

csNoData.setVisibility(View.GONE);

csDepartment.setVisibility(View.VISIBLE);

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

TeacherData data = snapshot.getValue(TeacherData.class);

list1.add(data);

}

csDepartment.setHasFixedSize(true);

csDepartment.setLayoutManager(new LinearLayoutManager(getContext()));

adapter = new TeacherAdapter(list1, getContext());

csDepartment.setAdapter(adapter);

}

}

@Override

public void onCancelled(@NonNull DatabaseError databaseError) {

Toast.makeText(getContext(), databaseError.getMessage(), Toast.LENGTH\_SHORT).show();

}

});

}

private void itDepartment() {

dbRef = reference.child("Information Technology");

dbRef.addValueEventListener(new ValueEventListener() {

@Override

public void onDataChange(@NonNull DataSnapshot dataSnapshot) {

list2 = new ArrayList<>();

if (!dataSnapshot.exists()){

itNoData.setVisibility(View.VISIBLE);

itDepartment.setVisibility(View.GONE);

}else {

itNoData.setVisibility(View.GONE);

itDepartment.setVisibility(View.VISIBLE);

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

TeacherData data = snapshot.getValue(TeacherData.class);

list2.add(data);

}

itDepartment.setHasFixedSize(true);

itDepartment.setLayoutManager(new LinearLayoutManager(getContext()));

adapter = new TeacherAdapter(list2, getContext());

itDepartment.setAdapter(adapter);

}

}

@Override

public void onCancelled(@NonNull DatabaseError databaseError) {

Toast.makeText(getContext(), databaseError.getMessage(), Toast.LENGTH\_SHORT).show();

}

});

}

private void electricalDepartment() {

dbRef = reference.child("Electrical");

dbRef.addValueEventListener(new ValueEventListener() {

@Override

public void onDataChange(@NonNull DataSnapshot dataSnapshot) {

list3 = new ArrayList<>();

if (!dataSnapshot.exists()){

electricalNoData.setVisibility(View.VISIBLE);

electricalDepartment.setVisibility(View.GONE);

}else {

electricalNoData.setVisibility(View.GONE);

electricalDepartment.setVisibility(View.VISIBLE);

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

TeacherData data = snapshot.getValue(TeacherData.class);

list3.add(data);

}

electricalDepartment.setHasFixedSize(true);

electricalDepartment.setLayoutManager(new LinearLayoutManager(getContext()));

adapter = new TeacherAdapter(list3, getContext());

electricalDepartment.setAdapter(adapter);

}

}

@Override

public void onCancelled(@NonNull DatabaseError databaseError) {

Toast.makeText(getContext(), databaseError.getMessage(), Toast.LENGTH\_SHORT).show();

}

});

}

private void mechanicalDepartment() {

dbRef = reference.child("Mechanical");

dbRef.addValueEventListener(new ValueEventListener() {

@Override

public void onDataChange(@NonNull DataSnapshot dataSnapshot) {

list4 = new ArrayList<>();

if (!dataSnapshot.exists()){

mechanicalNoData.setVisibility(View.VISIBLE);

mechanicalDepartment.setVisibility(View.GONE);

}else {

mechanicalNoData.setVisibility(View.GONE);

mechanicalDepartment.setVisibility(View.VISIBLE);

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

TeacherData data = snapshot.getValue(TeacherData.class);

list4.add(data);

}

mechanicalDepartment.setHasFixedSize(true);

mechanicalDepartment.setLayoutManager(new LinearLayoutManager(getContext()));

adapter = new TeacherAdapter(list4, getContext());

mechanicalDepartment.setAdapter(adapter);

}

}

@Override

public void onCancelled(@NonNull DatabaseError databaseError) {

Toast.makeText(getContext(), databaseError.getMessage(), Toast.LENGTH\_SHORT).show();

}

});

}

}

**GALLERY MODULE**

package com.example.ViTechcollege.ui.gallery;

import android.os.Bundle;

import androidx.annotation.NonNull;

import androidx.fragment.app.Fragment;

import androidx.recyclerview.widget.GridLayoutManager;

import androidx.recyclerview.widget.RecyclerView;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import com.example.ViTechcollege.R;

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;

public class GalleryFragment extends Fragment {

RecyclerView campusRecycler, unifestRecycler , otherRecycler;

GalleryAdapter adapter;

DatabaseReference reference;

@Override

public View onCreateView(LayoutInflater inflater, ViewGroup container,

Bundle savedInstanceState) {

// Inflate the layout for this fragment

View view = inflater.inflate(R.layout.fragment\_gallery, container, false);

campusRecycler = view.findViewById(R.id.campusRecycler);

unifestRecycler = view.findViewById(R.id.unifestRecycler);

otherRecycler = view.findViewById(R.id.otherRecycler);

reference = FirebaseDatabase.getInstance().getReference().child("gallery");

getCampusImage();

getUnifestImage();

getOtherImage();

return view;

}

private void getOtherImage() {

reference.child("Other Events").addValueEventListener(new ValueEventListener() {

List<String> imageList = new ArrayList<>();

@Override

public void onDataChange(@NonNull DataSnapshot dataSnapshot) {

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

String data = (String) snapshot.getValue();

imageList.add(data);

}

adapter = new GalleryAdapter(getContext(), imageList);

otherRecycler.setLayoutManager(new GridLayoutManager(getContext(), 3));

otherRecycler.setAdapter(adapter);

}

@Override

public void onCancelled(@NonNull DatabaseError databaseError) {

}

});

}

private void getCampusImage() {

reference.child("College Campus").addValueEventListener(new ValueEventListener() {

List<String> imageList = new ArrayList<>();

@Override

public void onDataChange(@NonNull DataSnapshot dataSnapshot) {

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

String data = (String) snapshot.getValue();

imageList.add(data);

}

adapter = new GalleryAdapter(getContext(), imageList);

campusRecycler.setLayoutManager(new GridLayoutManager(getContext(), 3));

campusRecycler.setAdapter(adapter);

}

@Override

public void onCancelled(@NonNull DatabaseError databaseError) {

}

});

}

private void getUnifestImage() {

reference.child("Unifests").addValueEventListener(new ValueEventListener() {

List<String> imageList = new ArrayList<>();

@Override

public void onDataChange(@NonNull DataSnapshot dataSnapshot) {

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

String data = (String) snapshot.getValue();

imageList.add(data);

}

adapter = new GalleryAdapter(getContext(), imageList);

unifestRecycler.setLayoutManager(new GridLayoutManager(getContext(), 3));

unifestRecycler.setAdapter(adapter);

}

@Override

public void onCancelled(@NonNull DatabaseError databaseError) {

}

});

}

}

**EBOOK MODULE**

package com.example.ViTechcollege.ui.about;

import android.os.Bundle;

import androidx.fragment.app.Fragment;

import androidx.viewpager.widget.ViewPager;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.ImageView;

import com.bumptech.glide.Glide;

import com.example.ViTechcollege.R;

import java.util.ArrayList;

import java.util.List;

public class AboutFragment extends Fragment {

private ViewPager viewPager;

private BranchAdapter adapter;

private List<BranchModel>list;

@Override

public View onCreateView(LayoutInflater inflater, ViewGroup container,

Bundle savedInstanceState) {

View view = inflater.inflate(R.layout.fragment\_about, container, false);

list = new ArrayList<>();

adapter = new BranchAdapter(getContext(), list);

viewPager = view.findViewById(R.id.viewPager);

viewPager.setAdapter(adapter);

ImageView imageView = view.findViewById(R.id.college\_image);

Glide.with(getContext())

.load("https://firebasestorage.googleapis.com/v0/b/ViTech-college-app.appspot.com/o/photos%2Fgal1.jpg?alt=media&token=8c5ad8d9-3569-4f0c-90c5-27ad60c18cb0")

.into(imageView);

return view;

}

}