Activity_main.xml

```
<?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">

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Record Video"
        android:onClick="recordVideo"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity.java

```
package com.gpk.batch2.videorecorder;

import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;
import androidx.core.content.ContextCompat;

import android.Manifest;
import android.content.Intent;
import android.content.pm.PackageManager;
import android.net.Uri;
import android.os.Bundle;
import android.provider.MediaStore;
import android.util.Log;
import android.view.View;

public class MainActivity extends AppCompatActivity {
    final static int CAMERA_ACESS_CODE = 100;
    final static int VIDEO_RECORD_CODE = 101;
    private Uri videoPath;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        if(isCameraPresent()){
            Log.i("video", "Camera is present");
            getCameraPermission();
        }else{
            Log.i("video", "Camera is absent");
        }
    }
    public void recordVideo(View view){
        recordVideo();

    }
    private boolean isCameraPresent(){
        if
(getPackageManager().hasSystemFeature(PackageManager.FEATURE_CAMERA_ANY)) {
            return true;
        } else {
            return false;
        }
    }
    private void getCameraPermission(){
        if(ContextCompat.checkSelfPermission(this,
Manifest.permission.CAMERA)==PackageManager.PERMISSION_DENIED){
            ActivityCompat.requestPermissions(this, new
String[]{Manifest.permission.CAMERA},CAMERA_ACESS_CODE);
        }
    }
    private void recordVideo(){
        Intent intent = new Intent(MediaStore.ACTION_VIDEO_CAPTURE);
        startActivityForResult(intent, VIDEO_RECORD_CODE);
    }
    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable
Intent data) {
        if(requestCode==VIDEO_RECORD_CODE){
            if(resultCode==RESULT_OK){
                videoPath = data.getData();
                Log.i("video", "Video is recorded at path"+videoPath);
            }
            else if(resultCode == RESULT_CANCELED){
                Log.i("video", "Video is recording is cancelled");
            }
            else{
                Log.i("video", "Video is some error");
            }
        }

        super.onActivityResult(requestCode, resultCode, data);
    }
}
```

AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.gpk.batch2.videorecorder">
    <uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE"/>
    <uses-permission android:name="android.permission.CAMERA"/>
    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.VideoRecorder">
        <activity
            android:name=".MainActivity"
            android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>

</manifest>
```