**Program 5: Create an android application to demonstrate Scroll View**

**XML Code:**

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

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<ScrollView

android:layout\_width="fill\_parent"

android:layout\_height="fill\_parent"

android:background="#A88C83"

android:scrollbars="vertical">

<LinearLayout

android:layout\_width="fill\_parent"

android:layout\_height="fill\_parent"

android:layout\_margin="20dp"

android:background="#4B3E3838"

android:orientation="vertical">

<Button

android:id="@+id/cse"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_gravity="center"

android:layout\_marginTop="100dp"

android:layout\_marginBottom="100dp"

android:backgroundTint="#FF5722"

android:textStyle="bold"

android:text="School of CSE"

android:textColor="#fff"

android:textSize="25sp" />

<Button

android:id="@+id/ece"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_gravity="center"

android:layout\_marginTop="100dp"

android:layout\_marginBottom="100dp"

android:textStyle="bold"

android:backgroundTint="#FF5722"

android:text="SChool of ECE"

android:textColor="#fff"

android:textSize="25sp" />

<Button

android:id="@+id/eee"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_gravity="center"

android:layout\_marginTop="100dp"

android:layout\_marginBottom="100dp"

android:backgroundTint="#FF5722"

android:text="School of EEE "

android:textColor="#fff"

android:textStyle="bold"

android:textSize="25sp" />

<Button

android:id="@+id/mech"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_gravity="center"

android:layout\_marginTop="100dp"

android:layout\_marginBottom="100dp"

android:backgroundTint="#FF5722"

android:text="School of Mechanical"

android:textColor="#fff"

android:textStyle="bold"

android:textSize="25sp" />

<Button

android:id="@+id/cnit"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_gravity="center"

android:layout\_marginTop="100dp"

android:layout\_marginBottom="100dp"

android:backgroundTint="#FF5722"

android:text="School of CNIT"

android:textStyle="bold"

android:textColor="#fff"

android:textSize="25sp" />

</LinearLayout>

</ScrollView>

</RelativeLayout>

**JAVA code:**

package com.example.scrollapp;

import static com.example.scrollapp.R.\*;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;

import android.content.Intent;

import android.net.Uri;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

Button cse;

Button ece;

Button mech;

Button eee;

Button cnit;

@SuppressLint("MissingInflatedId")

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(layout.*activity\_main*);

cse=findViewById(id.*cse*);

ece=findViewById(id.*ece*);

cnit=findViewById(id.*cnit*);

mech=findViewById(id.*mech*);

eee=findViewById(id.*eee*);

cse.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Toast.*makeText*(MainActivity.this, "welcome to cse", Toast.*LENGTH\_SHORT*).show();

Intent i=new Intent(Intent.*ACTION\_VIEW*);

i.setData(Uri.*parse*("https://www.reva.edu.in/course/btech-in-computer-science-and-engineering"));

startActivity(i);

}

});

ece.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Toast.*makeText*(MainActivity.this, "welcome to ECE", Toast.*LENGTH\_SHORT*).show();

Intent i=new Intent(Intent.*ACTION\_VIEW*);

i.setData(Uri.*parse*("https://www.reva.edu.in/course/btech-in-electronics-and-communication-engineering"));

startActivity(i);

}

});

mech.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Toast.*makeText*(MainActivity.this, "welcome to Mech", Toast.*LENGTH\_SHORT*).show();

Intent i=new Intent(Intent.*ACTION\_VIEW*);

i.setData(Uri.*parse*("https://www.reva.edu.in/course/btech-in-mechanical-engineering"));

startActivity(i);

}

});

eee.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Toast.*makeText*(MainActivity.this, "welcome to EEE", Toast.*LENGTH\_SHORT*).show();

Intent i = new Intent(Intent.*ACTION\_VIEW*);

i.setData(Uri.*parse*("https://www.reva.edu.in/course/btech-in-electrical-and-electronics-engineering"));

startActivity(i);

}

});

cnit.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Toast.*makeText*(MainActivity.this, "welcome to CNIT", Toast.*LENGTH\_SHORT*).show();

Intent i=new Intent(Intent.*ACTION\_VIEW*);

i.setData(Uri.*parse*("https://www.reva.edu.in/course-list/school-of-computing-and-information-technology"));

startActivity(i);

}

});

}

}