**[2CEIT5PE5: MOBILE APPLICATION DEVELOPMENT]**

Practical: 3

AIM: Create following UI by using **[ConstraintLayout](https://developer.android.com/training/constraint-layout" \t "_blank)**.



Submitted By: Pavan Patel

Enrollment number: 21012021075



**Department of Computer Engineering/Information Technology**

**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">

<androidx.core.widget.NestedScrollView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="@color/white">

<androidx.constraintlayout.widget.ConstraintLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content">

<ImageView

android:id="@+id/image\_logo"

android:layout\_width="match\_parent"

android:layout\_height="130dp"

android:src="@drawable/guni\_pink\_logo"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

<com.google.android.material.card.MaterialCardView

android:id="@+id/cardview"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginStart="20dp"

android:layout\_marginEnd="20dp"

app:cardCornerRadius="15dp"

app:cardElevation="20dp"

app:layout\_constraintTop\_toBottomOf="@+id/image\_logo">

<androidx.constraintlayout.widget.ConstraintLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:background="@color/white"

android:paddingVertical="20dp">

<TextView

android:id="@+id/textviewemail"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Email Id"

android:textSize="18sp"

app:layout\_constraintBaseline\_toBaselineOf="@+id/edittexteamil"

app:layout\_constraintEnd\_toStartOf="@+id/edittexteamil"

app:layout\_constraintStart\_toStartOf="parent" />

<EditText

android:id="@+id/edittextpass"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:ems="10"

android:inputType="textPassword"

android:textSize="18sp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.428"

app:layout\_constraintStart\_toEndOf="@+id/textviewpass"

app:layout\_constraintTop\_toBottomOf="@+id/edittexteamil" />

<TextView

android:id="@+id/textviewpass"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Password"

android:textSize="18sp"

app:layout\_constraintBaseline\_toBaselineOf="@+id/edittextpass"

app:layout\_constraintEnd\_toStartOf="@+id/edittexteamil"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/textviewemail" />

<TextView

android:id="@+id/textview\_forgotpwd"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_margin="20dp"

android:layout\_marginTop="15dp"

android:padding="20dp"

android:text="Forgot passord?"

android:textSize="18sp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.11"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/edittextpass" />

<Button

android:id="@+id/btn\_login"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:paddingHorizontal="20dp"

android:text="Login"

android:textColor="#ffffff"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/textview\_forgotpwd" />

<EditText

android:id="@+id/edittexteamil"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="20dp"

android:ems="10"

android:inputType="textPassword"

android:textSize="18sp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.0"

app:layout\_constraintStart\_toEndOf="@+id/textviewemail"

app:layout\_constraintTop\_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

</com.google.android.material.card.MaterialCardView>

<TextView

android:id="@+id/singup\_mes"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:paddingVertical="20dp"

android:text="Don't have an account"

android:textSize="18sp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.11"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/cardview" />

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:background="@android:color/transparent"

android:text="SING UP"

android:textColor="#EE30A8"

app:layout\_constraintBaseline\_toBaselineOf="@id/singup\_mes"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toEndOf="@id/singup\_mes" />

</androidx.constraintlayout.widget.ConstraintLayout>

</androidx.core.widget.NestedScrollView>

</androidx.constraintlayout.widget.ConstraintLayout>

**MainActivity.kt**

package com.pavanpatel.myapplication\_3

import androidx.appcompat.app.AppCompatActivity

import android.os.Bundle

class MainActivity : AppCompatActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_main)

}

}

* **OUTPUT:**

