Experiment No 2.3

Understanding of the interactions between user interface and underlying application infrastructure.(CO4)

Create an Android-based application and use intent to send SMS.

**AIM** : To design an android application Send SMS using Intent.

**MainActivity.java** package com.example.sms; import android.os.Bundle; import android.app.Activity;

import android.telephony.gsm.SmsManager; import android.view.Menu;

import android.view.View;

import android.view.View.OnClickListener; import android.widget.Button;

public class MainActivity extends Activity

{

@Override

protected void onCreate(Bundle savedInstanceState

{

super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main); Button bt=(Button)findViewById(R.id.button1); bt.setOnClickListener(new OnClickListener()

{

@Override

public void onClick(View v)

{

// TODO Auto-generated method stub SmsManager sms=SmsManager.getDefault();

sms.sendTextMessage("5554", null, "hai", null, null);

}

});

}

public boolean onCreateOptionsMenu(Menu menu)

{

// Inflate the menu; this adds items to the action bar if it is present. getMenuInflater().inflate(R.menu.main, menu);

return true;

}

}

# MainActivity.xml

<RelativeLayout xmlns:android[="h](http://schemas.android.com/apk/res/android)tt[p://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)" xmlns:tools[="h](http://schemas.android.com/tools)tt[p://schemas.android.com/tools](http://schemas.android.com/tools)" android:layout\_width="match\_parent"

android:layout\_height="match\_parent" android:paddingBottom="@dimen/activity\_vertical\_margin" android:paddingLeft="@dimen/activity\_horizontal\_margin" android:paddingRight="@dimen/activity\_horizontal\_margin" android:paddingTop="@dimen/activity\_vertical\_margin" tools:context=".MainActivity" >

<Button android:id="@+id/button1"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_alignParentLeft="true" android:layout\_alignParentTop="true" android:layout\_marginLeft="54dp" android:layout\_marginTop="166dp" android:text="send" />

</RelativeLayout>

# OUTPUT:



