Experiment 2.2

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**Semester: 6th Date of Performance: 10/04/23**

**Subject Name: MAD Lab Subject Code: 20CSP-356**

1. **Aim**:

To design an android application and send SMS using Intent.

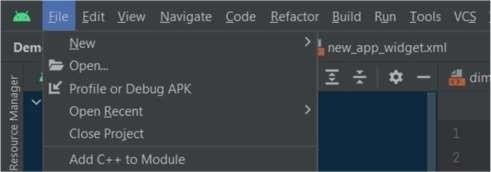
# System Requirements:

* + Microsoft Windows 7/8/10 (32-bit or 64-bit)
  + 4 GB RAM minimum, 8 GB RAM recommended (plus 1 GB for the Android Emulator)
  + 2 GB of available disk space minimum, 4 GB recommended (500 MB for IDE plus

1.5 GB for Android SDK and emulator system image)

* + 1280 x 800 minimum screen resolution
  + Java JDK5 or later version
  + Java Runtime Environment (JRE) 6 Android Studio

# Steps/Program:

Step 1: Create new Project

Step 2: Write the code and run the program

# Code:

1. MainActivity.java

package com.example.exp\_6; 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* android.telephony.SmsManager sms =**

**android.telephony.SmsManager.*getDefault*();**

//SmsManager sms=SmsManager.getDefault(); sms.sendTextMessage("+917398986207", "+917398986207", "hello world", 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;

}

}

1. Actuivity\_Main.xml

<RelativeLayout [xmlns:android="http://schemas.android.com/apk/res/android"](http://schemas.android.com/apk/res/android) [xmlns:tools="http://schemas.android.com/tools"](http://schemas.android.com/tools)

android:layout\_width="match\_parent" android:layout\_height="match\_parent" 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>

1. AndroidMenifest.xml

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

<manifest [xmlns:android="http://schemas.android.com/apk/re](http://schemas.android.com/apk/res/android)s/android" [xmlns:tools="http://schemas.android.com/tools">](http://schemas.android.com/tools)

<uses-permission android:name="android.permission.SEND\_SMS" />

<application

android:allowBackup="true" android:dataExtractionRules="@xml/data\_extraction\_rules" android:fullBackupContent="@xml/backup\_rules" android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name" android:supportsRtl="true" android:theme="@style/Theme.Exp\_6" tools:targetApi="31">

<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>

1. OUTPUT:

