



# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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## Experiment - 6

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**Section/Group:** DM\_902\_A

**Semester:** 6<sup>th</sup>

**Subject Name:** MAD LAB

**AIM:** Create an Android-based application and use Intent to send SMS.

**Requirements:** Android Studio. **Script and Output:**

### XML CODE:

```
<?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"
android:background="#000000"
tools:context=".MainActivity">

    <Button
        android:id="@+id/button"
        android:layout_width="115dp"
        android:layout_height="55dp"
        android:backgroundTint="#D0D68D"
        android:fontFamily="sans-serif-smallcaps"
        android:text="SEND" />

    <EditText
        android:id="@+id/phone"
        android:layout_width="282dp"
        android:layout_height="60dp"
        android:layout_marginTop="224dp"
```



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```
android:background="#A6939A"
android:ems="10"
    android:fontFamily="sans-serif-smallcaps"
android:hint="+91 ***** *****"
    />
<TextView
android:id="@+id/textView6"
android:layout_width="258dp"
android:layout_height="45dp"
android:layout_marginTop="112dp"
android:fontFamily="sans-serif-smallcaps"
android:text="Phone Number"
android:textAlignment="center"
android:textColor="#FFFFFF"
android:textSize="22sp" />

<EditText    android:id="@+id/message"
android:layout_width="330dp"
android:layout_height="136dp"
android:background="#A6939A"    android:ems="10"
android:fontFamily="sans-serif-smallcaps"
android:hint="Your Message"
android:inputType="textMultiLine"
android:textAlignment="center"
android:textColor="#FFFFFF"
android:textColorHint="#FFFFFF"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/phone"
app:layout_constraintVertical_bias="0.566" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

## JAVA CODE:

```
package com.example.experiment_6;

import androidx.appcompat.app.AppCompatActivity;
```



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```
import android.annotation.SuppressLint; import
android.widget.EditText;

public class MainActivity extends AppCompatActivity {
    EditText phone,msg;

    @SuppressWarnings("MissingInflatedId")
    @Override    protected void onCreate(Bundle
savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
phone=findViewById(R.id.phone);
msg=findViewById(R.id.message);
    }
    public void sendSms(View view)
    {
        String number,message;
number=phone.getText().toString();
message=msg.getText().toString();

        Intent i = new Intent(Intent.ACTION_VIEW, Uri.parse("sms:"+ number));
i.putExtra("sms_body",message);    startActivity(i);
    }
}
```

## Learning Outcomes:

- Learnt the use of Intent in Android Studio.
- Learnt to Build the application to perform the use of Intents.
- Learnt how to send SMS using Intent.

## SCREENSHOTS:

