

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**  
**BELAGAVI-590018, KARNATAKA**



**A MOBILE APPLICATION PROJECT REPORT**  
**ON**

**“MEETING SCHEDULER ANDROID APPLICATION”**

Submitted in partial fulfillment of requirements for the award of 6<sup>th</sup> semester,

**BACHELOR OF ENGINEERING**  
**IN**  
**COMPUTER SCIENCE & ENGINEERING**

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(Affiliated to Visvesvaraya Technological University, Belagavi)  
Approved By AICTE, New Delhi,  
Recognized by UGC under 2(f) & 12(B)  
Accredited by NBA and NAAC)

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**2021-2022**



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## *Certificate*

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This is to certify that the mini project entitled "**MEETING SCHEDULER ANDROID APPLICATION**" is a bona fide work carried out by **ABHINAV AGARWAL, ANKITH B V, ANTONY ASHWIN ANTO, CHIRAG D**, bonafide students of MVJ College of Engineering in partial fulfillment for the award of degree of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the Report. The mini-Project Report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said degree.

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**Signature of the Guide**

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**Signature of the HOD**

**Signature of the Examiners**

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**Internal**

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**External**

# **ABSTRACT**

This project “MEETING SCHEDULER ANDROID APPLICATION” provides us a simple interface for scheduling of meetings. Manual system that is employed is extremely inconvenient inadequate. It only makes the process more difficult and harder. The aim of this project is to develop a system that is meant to partially computerize the work performed in the Meeting scheduling like

Allotting a slot, record of date and time, store record of the agenda. Throughout the project the focus has been on presenting information in an easy and intelligible manner. The project is very useful for those who want to know about Meeting Scheduler Android Application and want to develop software's/websites based on the same concept. The project provides facilities like date picker and addition of meetings thus reducing paperwork and automating the meeting scheduling process in today's world.

# ACKNOWLEDGEMENT

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# TABLE OF CONTENT

<b>CHAPTERS</b>	<b>PAGE NO.</b>
<b>Chapter 1    Introduction</b>	<b>1</b>
<b>Chapter 2    System Requirement</b>	<b>2</b>
2.1 Hardware Requirements	
2.2 Software    Requirements	
<b>Chapter 3    Problem Description</b>	<b>3</b>
<b>Chapter 4    Implementation</b>	<b>4</b>
Database conn1	4
DBMS	5
Fragment 1	6
Fragment 2	7
<b>Main Activity</b>	<b>8</b>
<b>XML File</b>	<b>9</b>
<b>Chapter 5    Screenshots</b>	<b>14</b>
<b>Chapter 6    Conclusion and Future Scope</b>	<b>17</b>
<b>References</b>	<b>18</b>

# LIST OF TABLES

<b>Table Number</b>	<b>Table Name</b>	<b>Chapter No</b>	<b>Page No</b>
3.1	Meeting	3	3

# LIST OF FIGURES

<b>Fig Number</b>	<b>Fig Name</b>	<b>Chapter No</b>	<b>Page No</b>
4.1	Database conn1	4	4
4.2	DBMS	4	5
4.3	Fragment 1	4	6
4.4	Fragment 2	4	6
4.5	Main Activity	4	8
4.6	XML File	4	9
4.7	Fragment 2 layout	4	10
4.8	Fragment layout	4	11
4.9	Fragment main	4	13
5	ScreenShot	5	14
6	Conclusion and future scope	6	17

## Chapter 1

# **INTRODUCTION**

This project “MEETING SCHEDULER ANDROID APPLICATION” provides us a simple interface for scheduling of meetings. Manual system that is employed is extremely inconvenient inadequate. It only makes the process more difficult and harder. The aim of this project is to develop a system that is meant to partially computerize the work performed in the Meeting scheduling like

Allotting a slot, record of date and time, store record of the agenda. Throughout the project the focus has been on presenting information in an easy and intelligible manner. The project is very useful for those who want to know about Meeting Scheduler Android Application and want to develop software's/websites based on the same concept. The project provides facilities like date picker and addition of meetings thus reducing paperwork and automating the meeting scheduling process in today's world.

The front end is made using the XML and the backend is made using the SQLite and Java is used to connect the front end to the database.

## Chapter 2

# SYSTEM REQUIREMENTS

### 2.1 Hardware Requirements

#### Mobile

- Operating System : Android 5.1 or greater
- Memory : 2 GB minimum, 4 GB recommended
- Screen resolution : 1280\*1024 or larger
- Internet Connection : Not required

### 2.2 Software Requirements

- Client : Android OS
- Database : SQLite
- Language : XML and Java



## Chapter 3

### PROBLEM ANALYSIS

Development of a database application to enable admin to schedule new meetings and show existing meetings

The database uses the following tables for maintaining the details:

1. Meeting

The description of the tables is as follows:

Table 3.1 Meeting

COLUMN NAME	DATATYPE & SIZE	CONSTRAINTS	DESCRIPTION
Date	DATE	-	Meeting Date
Time	TEXT	-	Meeting Time
Agenda	TEXT	-	Meeting heading or a brief description

## Chapter 4

# IMPLEMENTATION

## CODE

### 4.1 Database conn 1

```
package com.example.meetinginfo;

import android.content.ContentValues;
import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;

import androidx.annotation.Nullable;
import androidx.fragment.app.FragmentActivity;

public class DataBaseConn extends SQLiteOpenHelper {
    public DataBaseConn(Context context) {
        super(context, "MeetingDB.db", null, 1);
    }

    @Override
    public void onCreate(SQLiteDatabase db) {
        db.execSQL("create Table meetingTbl(date TEXT,time TEXT, agenda TEXT)");
    }

    @Override
    public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {
        db.execSQL("drop Table if exists meetingTbl");
    }

    public boolean insertvalue(String d, String t, String agd){
        SQLiteDatabase DB=this.getWritableDatabase();
        ContentValues cv = new ContentValues();
        cv.put("date",d);
        cv.put("time",t);
        cv.put("agenda",agd);
        long res=DB.insert("meetingTbl",null,cv); //query to insert
        if(res== -1){
            return false;
        }
        else
            return true;
    }

    public Cursor fetch(String d){

        SQLiteDatabase DB=this.getReadableDatabase();
        Cursor c = DB.rawQuery("Select time,agenda from meetingTbl where date='"+d+"' ",null);
```

```
        return c;
    }

}
```

## 4.2 DBMS

```
package com.example.meetinginfo;

import android.content.Context;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;

import androidx.annotation.Nullable;

public class DBMS extends SQLiteOpenHelper {
    public DBMS(@Nullable Context context, @Nullable String name, @Nullable SQLiteDatabase.CursorFactory
factory, int version) {
        super(context, name, factory, version);
    }

    @Override
    public void onCreate(SQLiteDatabase db) {

    }

    @Override
    public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {

    }
}
```

## 4.3 Fragment 1

```
package com.example.meetinginfo;

import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import androidx.annotation.NonNull;
import androidx.annotation.Nullable;
import androidx.fragment.app.Fragment;

import static androidx.core.content.ContextCompat.getSystemService;

public class Fragment1 extends Fragment {
    EditText date,time,agenda;
    DataBaseConn dbc;
```

```

Button btn;
@Nullable
@Override
public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container, @Nullable
Bundle savedInstanceState) {
    View view=inflater.inflate(R.layout.fragment_layout1,container,false);
    date=view.findViewById(R.id.txtDate);
    time=view.findViewById(R.id.txtTime);
    agenda=view.findViewById(R.id.txtAgenda);
    btn=view.findViewById(R.id.btn1);

    dbc=new DataBaseConn(getActivity()); //need to initialize here only

    btn.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            String mdate,mTime,mAgenda;
            mdate=date.getText().toString();
            mTime=time.getText().toString();
            mAgenda=agenda.getText().toString();

            Boolean insert=dbc.insertvalue(mdate,mTime,mAgenda);
            if(insert==true){
                Toast.makeText(getActivity(),"Data Inserted",Toast.LENGTH_SHORT).show();
            }
            else
                Toast.makeText(getActivity(),"Data NOT Inserted",Toast.LENGTH_SHORT).show();
            //txt.setText("NOT INSERTED");

        }
    });

    return view;
}
}

```

## 4.4 Fragment 2

```

package com.example.meetinginfo;

import android.database.Cursor;
import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.CalendarView;
import android.widget.DatePicker;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

import androidx.annotation.NonNull;

```

```
import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;
import androidx.fragment.app.Fragment;

import com.example.meetinginfo.R;

import java.util.Calendar;

public class Fragment2 extends Fragment {
    CalendarView cal;
    Button btn1;
    DataBaseConn dbc;
    TextView t;
    String d;

    @Nullable
    @Override
    public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState) {
        View view=inflater.inflate(R.layout.fragment2_layout,container,false);

        cal=view.findViewById(R.id.calendarView);
        btn1=view.findViewById(R.id.btn2);
        dbc=new DataBaseConn(getActivity());
        // t=()

        cal.setOnDateChangeListener(new CalendarView.OnDateChangeListener() {
            @Override
            public void onSelectedDayChange(@NonNull CalendarView view, int year, int month, int dayOfMonth) {
                d=dayOfMonth+"/"+(month+1)+"/"+year;
            }
        });

        btn1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {

                StringBuffer res=new StringBuffer();
                Cursor c=dbc.fetch(d);
                int count=c.getCount();
                c.moveToFirst();
                if(count>0) {
                    do {

res.append(c.getString(c.getColumnIndex("agenda"))+"\t"+"at"+"t"+c.getString(c.getColumnIndex("time")));
                        res.append("\n");

                    }while (c.moveToNext());
                    Toast.makeText(getActivity(), res, Toast.LENGTH_LONG).show();
                }
                else
                {
                    Toast.makeText(getActivity(), "No Meeting on This Day....", Toast.LENGTH_LONG).show();
                }
            }
        });
    }
}
```

```
    }  
    }  
});  
return view;  
}  
  
@Override  
public void onCreate(@Nullable Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
  
    }  
}
```

## 4.5 Main Activity

```
package com.example.meetinginfo;  
  
import android.os.Bundle;  
  
import com.google.android.material.floatingactionbutton.FloatingActionButton;  
import com.google.android.material.snackbar.Snackbar;  
import com.google.android.material.tabs.TabLayout;  
  
import androidx.viewpager.widget.ViewPager;  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.view.Menu;  
import android.view.MenuItem;  
import android.view.View;  
  
import com.example.meetinginfo.ui.main.SectionsPagerAdapter;  
  
public class MainActivity extends AppCompatActivity {  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main);  
        SectionsPagerAdapter sectionsPagerAdapter = new SectionsPagerAdapter(this,  
getSupportFragmentManager());  
        ViewPager viewPager = findViewById(R.id.view_pager);  
        viewPager.setAdapter(sectionsPagerAdapter);  
        TabLayout tabs = findViewById(R.id.tabs);  
        tabs.setupWithViewPager(viewPager);  
  
    }  
}
```

## 4.6 XML Files

## Activity\_main

```
<?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">

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Select Date to get Meeting Details"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        android:textSize="60px"
        app:layout_constraintHorizontal_bias="0.492"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.068" />

    <CalendarView
        android:id="@+id/calendarView"
        android:layout_width="350dp"
        android:layout_height="307dp"
        android:layout_marginTop="8dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.491"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.418" />

    <Button
        android:id="@+id/btn2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Search to get Meeting Details"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.573"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.878" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

## 4.7 Fragment2\_layout

```
<?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">

<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Select Date to get Meeting Details"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:textSize="60px"
    app:layout_constraintHorizontal_bias="0.492"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.068" />

<CalendarView
    android:id="@+id/calendarView"
    android:layout_width="350dp"
    android:layout_height="307dp"
    android:layout_marginTop="8dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.491"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.418" />

<Button
    android:id="@+id/btn2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Search to get Meeting Details"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.573"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.878" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

## 4.8 Fragment\_layout

```
<?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_gravity="center"
    android:layout_height="match_parent">
```



```
<EditText
    android:id="@+id/txtDate"
    android:layout_width="212dp"
    android:layout_height="50dp"
    android:layout_marginTop="16dp"
    android:ems="10"
    android:hint="DD/MM/YYYY"
    android:inputType="textPersonName"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="1.0"
    app:layout_constraintStart_toEndOf="@+id/mDate"
    app:layout_constraintTop_toTopOf="parent" />

<EditText
    android:id="@+id/txtTime"
    android:layout_width="212dp"
    android:layout_height="54dp"
    android:layout_marginTop="64dp"
    android:layout_marginEnd="8dp"
    android:ems="10"
    android:hint="hh:mm"
    android:inputType="textPersonName"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toTopOf="@+id/txtDate" />

<TextView
    android:id="@+id/mDate"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="20dp"
    android:text="Date:"
    android:textAppearance="@style/TextAppearance.AppCompat.Large"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<TextView
    android:id="@+id/txt2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="32dp"
    android:text="Time:"
    android:textAppearance="@style/TextAppearance.AppCompat.Large"
    app:layout_constraintEnd_toStartOf="@+id/txtTime"
    app:layout_constraintHorizontal_bias="0.117"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/mDate" />

<TextView
    android:id="@+id/txt3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="4dp"
    android:text="Meeting Agenda:"
```

```
    android:textAppearance="@style/TextAppearance.AppCompat.Large"
    app:layout_constraintBottom_toTopOf="@+id/btn1"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/txt2"
    app:layout_constraintVertical_bias="0.131" />

<Button
    android:id="@+id/btn1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Add Meeting Schedule"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.331"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/txtAgenda"
    app:layout_constraintVertical_bias="0.782" />

<EditText
    android:id="@+id/txtAgenda"
    android:layout_width="212dp"
    android:layout_height="50dp"
    android:layout_marginTop="16dp"
    android:ems="10"
    android:inputType="textPersonName"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="1.0"
    app:layout_constraintStart_toEndOf="@+id/txt3"
    app:layout_constraintTop_toBottomOf="@+id/txtTime" />

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

## 4.9 Fragment\_main

```
<?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:id="@+id/constraintLayout"  
android:layout_width="match_parent"  
android:layout_height="match_parent"  
tools:context=".ui.main.PlaceholderFragment">
```

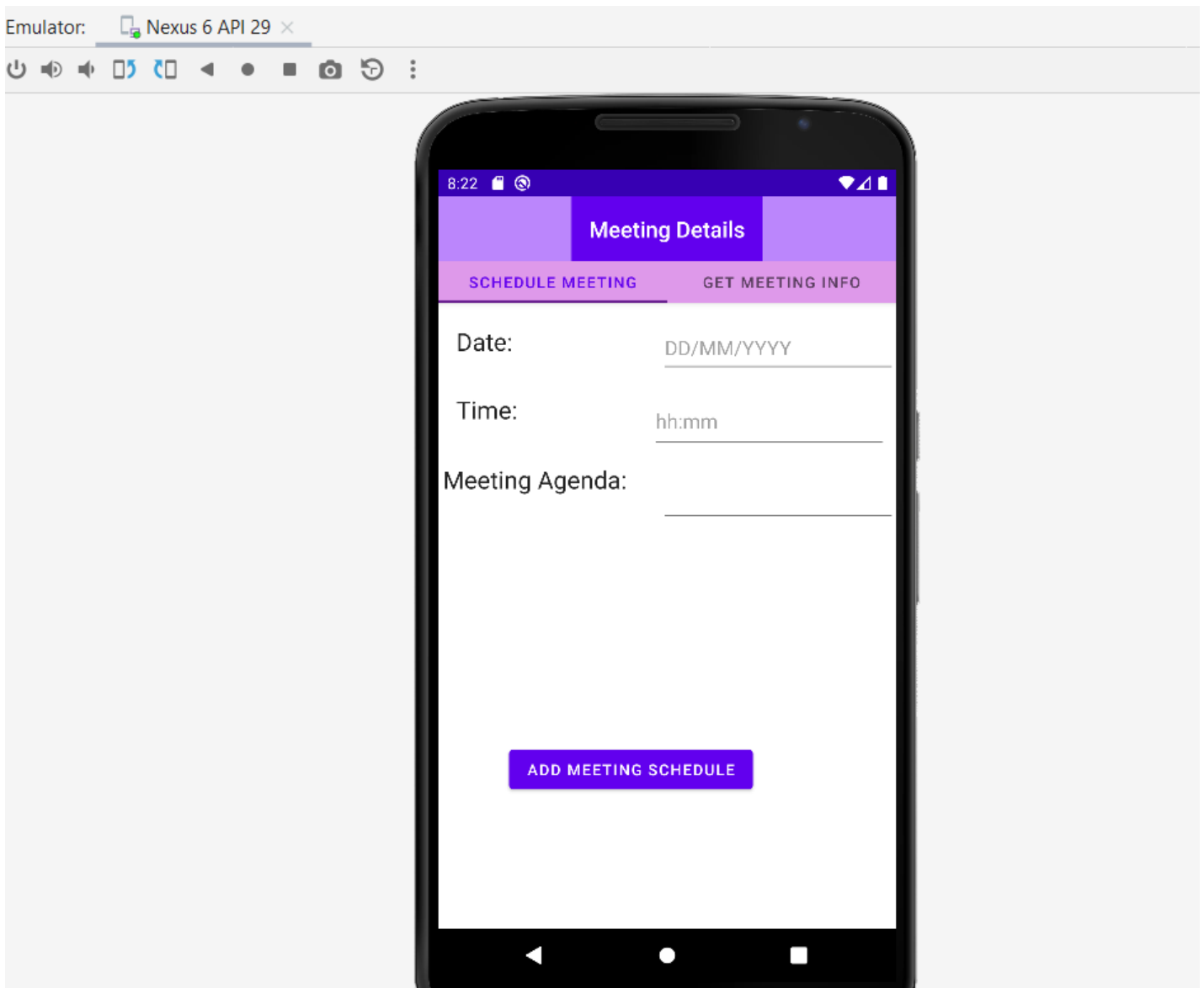
```
<TextView
```

```
    android:id="@+id/section_label"  
    android:text="Schedule Meeting"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginStart="@dimen/activity_horizontal_margin"  
    android:layout_marginTop="@dimen/activity_vertical_margin"  
    android:layout_marginEnd="@dimen/activity_horizontal_margin"  
    android:layout_marginBottom="@dimen/activity_vertical_margin"  
    app:layout_constraintLeft_toLeftOf="parent"  
    app:layout_constraintTop_toTopOf="@+id/constraintLayout"  
    tools:layout_constraintLeft_creator="1"  
    tools:layout_constraintTop_creator="1" />
```

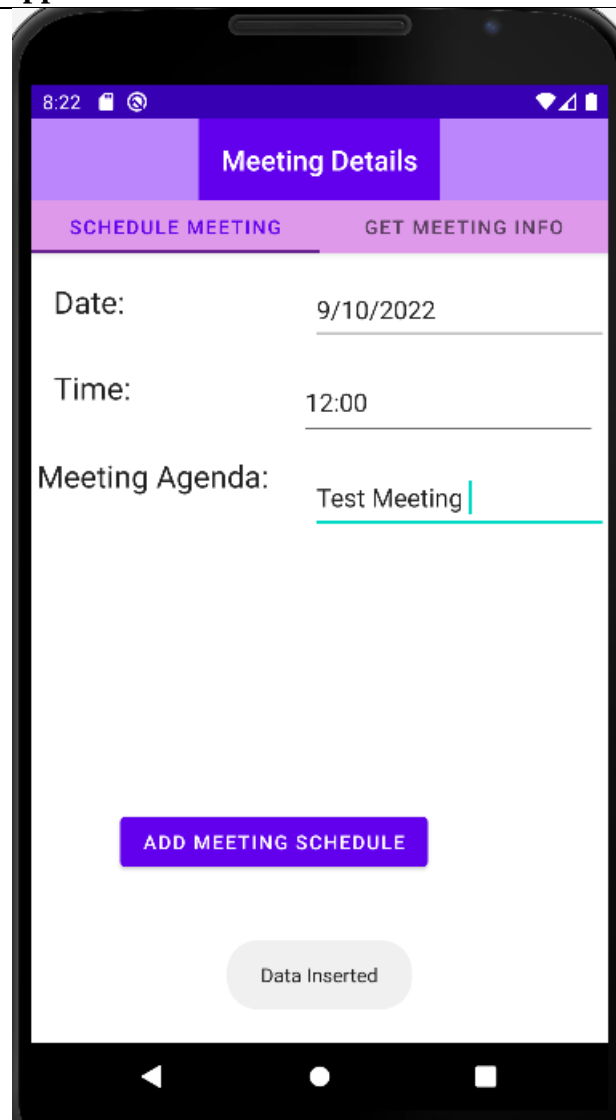
```
</androidx.constraintlayout.widget.ConstraintLayout>
```

## Chapter 5

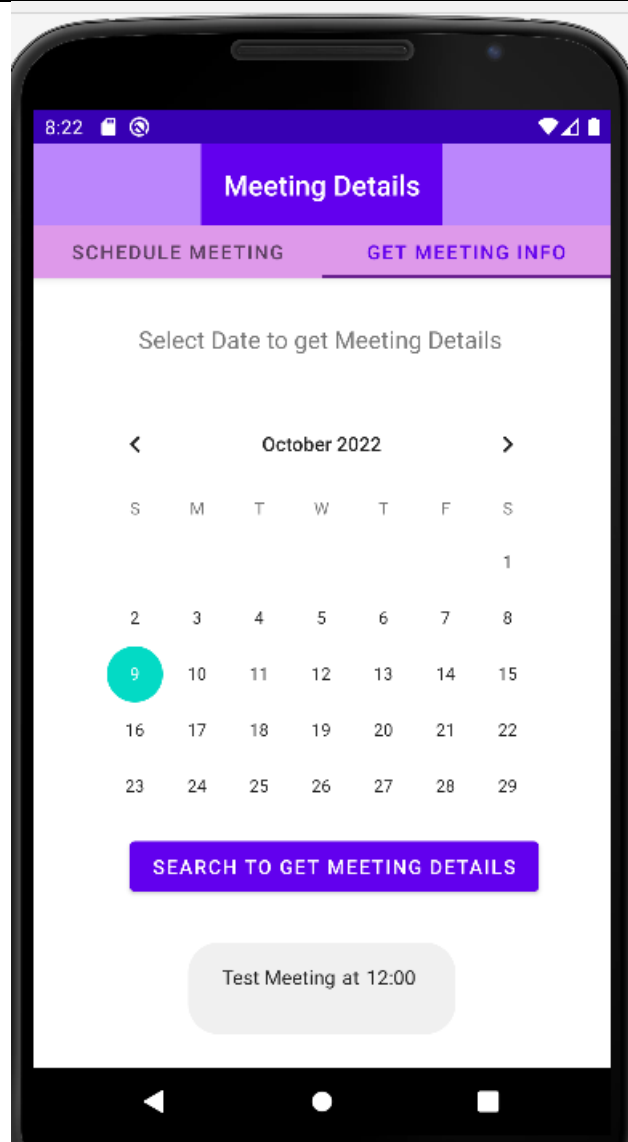
### SCREENSHOTS



**Fig 1: home page**



**Fig 2 Data Insertion**



**Fig 3 View meeting**

## Chapter 6

# CONCLUSION & FUTURE SCOPE

This project is built keeping in mind that it is to be used by schedulers. It is built for managing meetings schedules. According to the requested requirement the admin can add the meeting, view the meeting details . Similarly, the scheduler can Only View his data but cannot edit them. The required records can be easily viewed. Numerous validations implemented would enable the scheduler of the meeting to enter accurate data. The main objective of this framework is to save time, make the system cost effective and management records efficiently.

Future scope of the work:

- ✓ The option to print the meetings in future.
- ✓ The system can be developed in such a way that its existing features can be modified to better versions.

---

## REFERENCES

➤ During the course of this project reference to the following materials were made

[1] <https://www.w3schools.blog/android-tutorial>