

# POCKET STUDY

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## ABSTRACT

Students of SRM University are always in need of previous year question papers and the pre-defined notes of a subject. Every Semester the Professor gives us the notes we require and the students have to take the Xerox of it, But the problem is that every year, every time professor has to give the notes to students coming every year, whether they are notes or question papers.

What if the student already has the notes of the subject he is studying. What if student already has the notes by which he can co-relate the topic of contents which they are taught and what if he already has the question papers so that he can give extra attention to those questions which are frequently asked. This can really help the students and will make the exam easier and stress free.

Since these days mobile applications are really helpful. We will be developing a mobile application which will contain the notes and question papers of each and every unit of the concerned book of every branch of second and third year students.

Therefore if the students will have this application then there will be no need of circulating the notes and question papers every semester. Instead the students themselves will have the study material and professors will just have to concentrate on Teaching rather than worrying for notes distribution. Hence this app will be very useful for the 2<sup>nd</sup> and 3<sup>rd</sup> year students as well as the freshers who hardly know the pattern of the university Examinations.

**Keyword :** - Notes, Question Papers, android, database, Department, Subjects, ERP.

## 1. INTRODUCTION

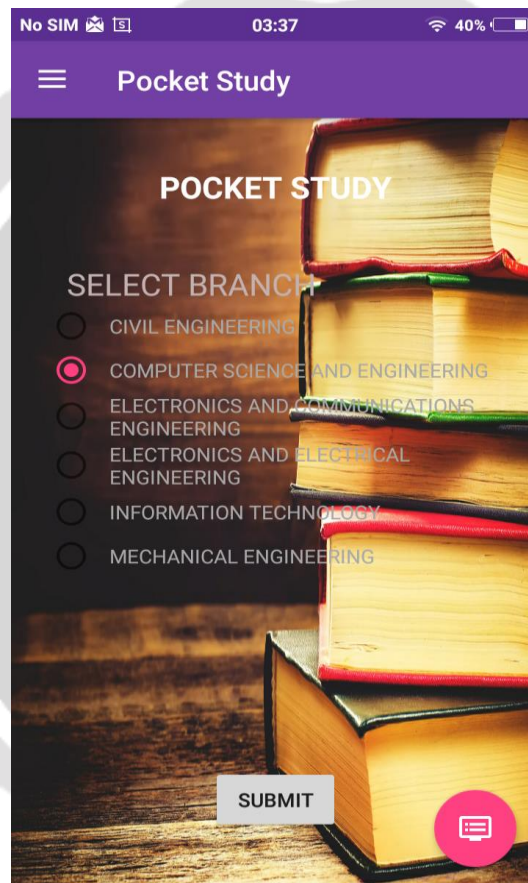
Android application provides a rich framework that allows you to build innovative apps for the mobile devices in a java language platform. Android apps are built as a combination of distinct components that can be invoked individually. For instance, an individual activity provides a single screen for user interface, and a service independently performs work in the background. Android app can be made by using any current issue and need for the people. Combining the need and technology together we can help out people in different ways. The android application can be connected to the database to make it more effective.

## 2. SELECT BRANCH

The “Select Branch” will be the main page of the application where the user will be asked for his branch details. The user will choose his/her branch of Engineering. There are 5-6 types of branches and then he will click the submit button to move forward. We have given privileges to every user to proceed further as we have not added sign up or login page.

It will be categorized into 6 types:

1. Civil Engineering
2. Computer Science and Engineering
3. Electronics and Communication Engineering
4. Electronics and Electrical Engineering
5. Information Technology
6. Mechanical Engineering



**Fig1:-** Select Branch

## 2.1 Code for the main page

```
package com.example.mkdas.pocketstudy;
import android.content.Intent;
import android.support.design.widget.FloatingActionButton;
import android.support.design.widget.NavigationView;
import android.support.v4.widget.DrawerLayout;
import android.support.v7.app.ActionBarDrawerToggle;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.text.Html;
```

```

import android.text.method.LinkMovementMethod;
import android.view.MenuItem;
import android.view.View;
import android.net.Uri;
import android.widget.Button;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    RadioGroup rg;
    RadioButton b1, b2, b3, b4, b5, b6;
    Intent intent;
    Button b;
    private DrawerLayout mDrawerLayout;
    private ActionBarDrawerToggle mToggle;
    NavigationView navigationView;
    FloatingActionButton fab;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        rg = (RadioGroup) findViewById(R.id.radioGroup);
        b1 = (RadioButton) findViewById(R.id.radioButton);
        b2 = (RadioButton) findViewById(R.id.radioButton2);
        b3 = (RadioButton) findViewById(R.id.radioButton3);
        b4 = (RadioButton) findViewById(R.id.radioButton4);
        b5 = (RadioButton) findViewById(R.id.radioButton5);
        b6 = (RadioButton) findViewById(R.id.radioButton6);
        b = (Button) findViewById(R.id.button);
        fab = (FloatingActionButton) findViewById(R.id.fab);

        fab.setClickable(true);
        fab.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent intent = new Intent();
                intent.setAction(Intent.ACTION_VIEW);
                intent.addCategory(Intent.CATEGORY_BROWSABLE);
                intent.setData(Uri.parse("http://evarsity.srmuniv.ac.in/srmswi/usermanager/youLogin.jsp"));
                startActivity(intent);
            }
        });

        mDrawerLayout = (DrawerLayout) findViewById(R.id.drawerMain);
        mToggle = new ActionBarDrawerToggle(this, mDrawerLayout, R.string.open, R.string.close);

        mDrawerLayout.addDrawerListener(mToggle);
        mToggle.syncState();

        getSupportActionBar().setDisplayHomeAsUpEnabled(true);

        navigationView = (NavigationView) findViewById(R.id.navigation_main);

```

```

navigationView.setNavigationItemSelectedListener(new NavigationView.OnNavigationItemSelectedListener()
{
    @Override
    public boolean onNavigationItemSelectedListener(MenuItem menuItem) {
        int id = menuItem.getItemId();
        switch (id) {
            case R.id.nav_contact:
                Intent intent = new Intent(MainActivity.this,ContactUs.class);
                startActivity(intent);
                break;
            case R.id.nav_us:
                Intent intent1 = new Intent(MainActivity.this,About.class);
                startActivity(intent1);
                break;
        }
        return false;
    }
});
}

public void selectBranch(View view) {

    final int cid = rg.getCheckedRadioButtonId();

    b.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            switch (cid) {
                case R.id.radioButton:
                    intent = new Intent(MainActivity.this, Civil.class);
                    startActivity(intent);
                    break;
                case R.id.radioButton2:
                    intent = new Intent(MainActivity.this, Cse.class);
                    startActivity(intent);
                    break;
                case R.id.radioButton3:
                    intent = new Intent(MainActivity.this, Ece.class);
                    startActivity(intent);
                    break;
                case R.id.radioButton4:
                    intent = new Intent(MainActivity.this, Eee.class);
                    startActivity(intent);
                    break;
                case R.id.radioButton5:
                    intent = new Intent(MainActivity.this, It.class);
                    startActivity(intent);
                    break;
                case R.id.radioButton6:
                    intent = new Intent(MainActivity.this, Mech.class);
                    startActivity(intent);
                    break;
            }
        }
    });
}

```

```

    }
}

});
}

@Override
public boolean onOptionsItemSelected(MenuItem item) {

    if(mToggle.onOptionsItemSelected(item)){
        return true;
    }

    return super.onOptionsItemSelected(item);
}
}

```

### 3. SELECT YEAR

The Second activity for the application will be selecting the year of the student. After selecting the year it will direct to choose the year. If one choose computer science and engineering then it will give option to choose between second and third year. This option will be available for all the branches.

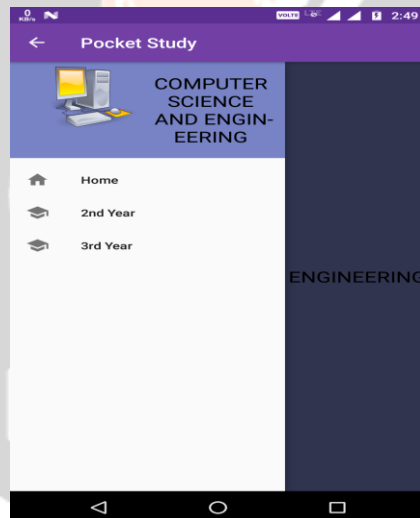


Fig2:- Select Year

#### 3.1 Code for the Select Year

```

package com.example.mkdas.pocketstudy;
import android.content.Intent;
import android.support.design.widget.NavigationView;
import android.support.design.widget.Snackbar;
import android.support.v4.widget.DrawerLayout;
import android.support.v7.app.ActionBarDrawerToggle;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.MenuItem;

```

```

public class Cse extends AppCompatActivity {

    private DrawerLayout mDrawerLayout;
    private ActionBarDrawerToggle mToggle;
    NavigationView navigation
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_cse);

        mDrawerLayout = (DrawerLayout) findViewById(R.id.drawerLayout);
        mToggle = new ActionBarDrawerToggle(this, mDrawerLayout, R.string.open, R.string.close);

        mDrawerLayout.addDrawerListener(mToggle);
        mToggle.syncState();

        getSupportActionBar().setDisplayHomeAsUpEnabled(true);

        navigation = (NavigationView) findViewById(R.id.navigation_view);
        navigation.setNavigationItemSelectedListener(new NavigationView.OnNavigationItemSelectedListener() {
            @Override
            public boolean onNavigationItemSelectedListener(MenuItem menuItem) {
                int id = menuItem.getItemId();
                switch (id) {
                    case R.id.nav_home:
                        Intent intent2 = new Intent(Cse.this,MainActivity.class);
                        startActivity(intent2);
                        break;
                    case R.id.nav_2nd:
                        Intent i = new Intent(Cse.this,Cse2nd.class);
                        startActivity(i);
                        break;
                    case R.id.nav_3rd:
                        Intent intent = new Intent(Cse.this,Cse3rd.class);
                        startActivity(intent);
                        Break;
                }
                return false;
            }
        });
    }
    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        if(mToggle.onOptionsItemSelected(item)){
            return true;
        }

        return super.onOptionsItemSelected(item);
    }
}

```

#### 4. SELECT SUBJECT



```
actionBar.setDisplayHomeAsUpEnabled(true);
```

```
ListView listView = (ListView) findViewById(R.id.listView);
```

```
listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {  
    @Override  
    public void onItemClick(AdapterView<?> adapterView, View view, int i, long l) {  
        switch (i) {  
            case 0:  
                Intent intent = new Intent(Cse2nd.this, Eecs.class);  
                startActivity(intent);  
                break;  
            case 1:  
                Intent intent1 = new Intent(Cse2nd.this, Mpmc.class);  
                startActivity(intent1);  
                break;  
            case 2:  
                Intent intent2 = new Intent(Cse2nd.this, Ada.class);  
                startActivity(intent2);  
                break;  
            case 3:  
                Intent intent3 = new Intent(Cse2nd.this, Pjava.class);  
                startActivity(intent3);  
                break;  
            case 4:  
                Intent intent4 = new Intent(Cse2nd.this, Pqt.class);  
                startActivity(intent4);  
                break;  
            case 5:  
                Intent intent6 = new Intent(Cse2nd.this, German2.class);  
                startActivity(intent6);  
                break;  
            case 6:  
                Intent intent5 = new Intent(Cse2nd.this, French2.class);  
                startActivity(intent5);  
                break;  
            case 7:  
                Intent intent7 = new Intent(Cse2nd.this, Ooad.class);  
                startActivity(intent7);  
                break;  
            case 8:  
                Intent intent8 = new Intent(Cse2nd.this, Oops.class);  
                startActivity(intent8);  
                break;  
            case 9:  
                Intent intent9 = new Intent(Cse2nd.this, Csa.class);  
                startActivity(intent9);  
                break;  
            case 10:  
                Intent intent10 = new Intent(Cse2nd.this, Bvp.class);  
                startActivity(intent10);  
                break;  
            case 11:  
                Intent intent11 = new Intent(Cse2nd.this, Edc.class);
```



```

        startActivity(intent11);
        break;
    case 12:
        Intent intent12 = new Intent(Cse2nd.this, Ds.class);
        startActivity(intent12);
        break;
    case 13:
        Intent intent13 = new Intent(Cse2nd.this, Dsd.class);
        startActivity(intent13);
        break;
    case 14:
        Intent intent14 = new Intent(Cse2nd.this, German1.class);
        startActivity(intent14);
        break;
    case 15:
        Intent intent15 = new Intent(Cse2nd.this, French1.class);
        startActivity(intent15);
        break;
    }
}
});

//ListView Drop Down Elements
List<String> subs = new ArrayList<String>();
subs.add("Electronics Engineering And Control Systems");
subs.add("Microprocessors And Microcontrollers");
subs.add("Algorithm And Analysis");
subs.add("Programming In Java");
subs.add("Probability And Queueing Theory");
subs.add("German II");
subs.add("French II");
subs.add("Object Oriented Analysis And Design");
subs.add("Object Oriented Programming In C++");
subs.add("Computer Science Architecture");
subs.add("Fourier Transforms And Boundary Value Problems");
subs.add("Electron Devices And Circuits");
subs.add("Data Structures");
subs.add("Digital System Design");
subs.add("German I");
subs.add("French I");

//Creating adapter for listview
ArrayAdapter<String> dataAdapter = new ArrayAdapter<String>(this, R.layout.cse2nd_subs, subs);

//drop down layout style

listView.setAdapter(dataAdapter);
}

@Override
public boolean onOptionsItemSelected(MenuItem item) {
    switch (item.getItemId()) {
        case android.R.id.home:

```

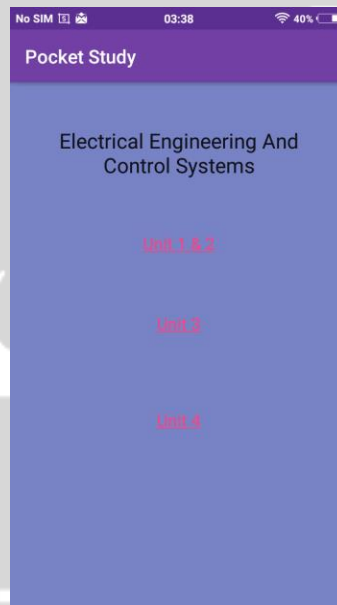
```

        Intent intent = new Intent(Cse2nd.this, Cse.class);
        startActivity(intent);
        this.finish();
        return true;
    default:
        return super.onOptionsItemSelected(item);
    }
}
}
}

```

## 5. DOWNLOAD NOTES

The fourth activity on the application will be downloading the notes. Links will be available on the page. When we click on the link it connects the user to cloud storage and the documents are fetched and is opened in the default pdf viewer of the user. Generally it uses Google pdf viewer. The document is opened in the pdf viewer and it also gives user to download the file.



**Fig4:** Download Notes

### 5.1 Code for the Select Subject

```

package com.example.mkdas.pocketstudy;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.text.Html;
import android.text.method.LinkMovementMethod;
import android.widget.TextView;

public class Ada extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_ada);
    }
}

```

```

TextView textView = (TextView)findViewById(R.id.textView208);
TextView textView1 = (TextView)findViewById(R.id.textView209);
TextView textView2 = (TextView)findViewById(R.id.textView210);
TextView textView3 = (TextView)findViewById(R.id.textView211);
TextView textView4 = (TextView)findViewById(R.id.textView212);

textView.setMovementMethod(LinkMovementMethod.getInstance());
String text = "<a href = 'https://drive.google.com/open?id=0B-8IHSMHqQUQdWJkRWIPThpDwTA'>Unit
1</a>";
textView.setText(Html.fromHtml(text));

textView1.setMovementMethod(LinkMovementMethod.getInstance());
String text1 = "<a href = 'https://drive.google.com/open?id=0B-8IHSMHqQUQUm5PNTJtZdzZzA'>Unit
2</a>";
textView1.setText(Html.fromHtml(text1));

textView2.setMovementMethod(LinkMovementMethod.getInstance());
String text2 = "<a href = 'https://drive.google.com/open?id=0B-8IHSMHqQUQR3Iza1FrU3FVS2c'>Unit
3</a>";
textView2.setText(Html.fromHtml(text2));

textView3.setMovementMethod(LinkMovementMethod.getInstance());
String text3 = "<a href = 'https://drive.google.com/open?id=0B-8IHSMHqQUQNUtKQmRRcXdUUjQ'>Unit
4</a>";
textView3.setText(Html.fromHtml(text3));

textView4.setMovementMethod(LinkMovementMethod.getInstance());
String text4 = "<a href = 'https://drive.google.com/open?id=0B-8IHSMHqQUQT2tncThKQ2g5c28'>Unit
5</a>";
textView4.setText(Html.fromHtml(text4));
}
}

```





## 6. CONCLUSION

In University and Schools, Students usually need study material for their examinations. They have to consult concerned staffs for the notes. With this application, Student can download the notes which are related to their department and semesters. It Concludes that there is no need of circulation of notes by the teacher of the university. Student can have this application and can download it.

## 6. REFERENCES

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- [4].Android application, udey online courses
- [5].Sarah McLeay, Livestrong

## BIOGRAPHIES

	<p>Divyam Kumar Mishra (born 27-December-1996) in New Delhi. He did his schooling from Delhi. He is currently pursuing Btech in Computer Science and Engineering from SRM University, Chennai. He is a part of 2010 Commonwealth Games Delhi opening Ceremony. He wants to be a business man. He believes that earning money is not only thing we are born on this Planet. He wants to earn People rather than concentrating on money.</p>
	<p>Mrinmoy Kumar Das (born 3-September-1997). He grew up in Chandigarh. Currently He is Pursuing B.Tech in Computer Science and Engineering from SRM University, Chennai. He loves to code in his free time. He loves to play computer games and watching movies. He believes that being a book worm and scoring higher marks is not enough. He wants to be a successful Engineer.</p>
	<p>Saurav Singh (born 19-November-1997). He Grew up and Studied his HSC in Rajasthan. He is currently pursuing B.Tech in Computer Science and Engineering from SRM University, Chennai. He loves to code and wants to become an android developer. He like playing outdoor games, Computer Games Parallelly.</p>
	<p>Prince Kumar (born 3-February-1997). He grew up in capital City of Patna, Bihar. He is pursuing B.Tech in Computer Science and Engineering from SRM University, Chennai. He is a Tech enthusiastic and aspiring to become a become an accomplished developer. He loves watching Cricket, Football and Playing Video Games. He wants to be a successful Engineer in his Future</p>