CHAPTER 1

INTRODUCTION

1.1 Overview Problem Statement:

The project aims to develop and implement a comprehensive digital solution, called the "Syllabus App," to address the challenges faced by students in managing their course syllabi effectively. The Syllabus App will provide a user-friendly platform for students to organize, access, and track their syllabi, ensuring better organization, improved communication, and enhanced time management skills.

The primary objective of the project is to create a mobile application that streamlines the syllabus management process, offering features such as centralized storage of syllabi, customization options, real-time updates, and task management. By addressing the issues of syllabus disorganization, limited accessibility, lack of customization, communication gaps, and time management difficulties, the app aims to empower students to stay organized, meet deadlines, and optimize their learning experience.

The project will follow a structured development process, encompassing requirements gathering, user interface design, backend development, testing, and deployment. The development team will employ an iterative and user-centered approach, conducting user research, prototyping, and usability testing to ensure the app's effectiveness and usability.

Throughout the project, close collaboration will be maintained with stakeholders, including students, instructors, and educational institutions, to gather feedback, incorporate suggestions, and tailor the app to their specific needs. Regular milestones and progress updates will be communicated to ensure transparency and accountability

1.2 Significance and Relevance of Work:

Here are some key points highlighting its importance:

Organization and Accessibility: A syllabus app provides a centralized platform for organizing and accessing course-related information. It allows students to have all the necessary details, such as course outlines, schedules, assignments, and readings, in one place. This accessibility helps students stay organized and easily refer to the syllabus whenever needed.

Time Management: A syllabus app plays a crucial role in effective time management. By having a clear overview of the entire course timeline, students can plan their study schedule, allocate time for assignments and projects, and meet deadlines more efficiently. It enables them to prioritize tasks and avoid last-minute rushes or missed submissions.

Resource Planning: With a syllabus app, students can anticipate and plan ahead for required resources, such as textbooks, online materials, or supplementary readings. They can proactively gather the necessary resources or make arrangements to access them, ensuring they have the materials needed to succeed in the course.

Goal Setting and Tracking: A syllabus app helps students set realistic goals and track their progress throughout the course. By breaking down the syllabus into smaller milestones or objectives, students can monitor their achievements and stay motivated

Communication and Collaboration: Many syllabus apps include communication features that facilitate interaction between students and instructors. Students can ask questions, seek clarification, or discuss course-related topics within the app's interface.

Notifications and Reminders: A syllabus app often provides notifications and reminders for upcoming assignments, exams, or important events related to the course. These alerts help students stay on track and avoid missing crucial deadlines

Flexibility and Adaptability: In the case of online or hybrid courses, a syllabus app becomes even more relevant. It offers flexibility by allowing students to access course information from any location and at any time. Students can adapt their study routine based on their personal schedules and preferences, making learning more accessible and accommodating diverse learning styles.

1.3 Objectives:

Disorganized Syllabi: Many students struggle with keeping track of their course syllabi, which often leads to confusion and missed deadlines. The app aims to provide a centralized platform where students can easily access and organize their syllabi for all their courses.

Limited Accessibility: Students may face difficulties in accessing their syllabi, especially when they switch between devices or need to refer to them on the go. The app intends to provide seamless accessibility across multiple devices, allowing students to access their syllabi anytime and anywhere.

Lack of Customization: Students have different preferences and study habits, and a one-size-fits-all approach to syllabus management may not cater to their individual needs. The app aims to offer customization features, enabling students to personalize their syllabus organization, reminders, and notifications according to their preferences.

Communication Gap: In some cases, there may be a communication gap between instructors and students regarding syllabus updates, changes, or additional resources. The app intends to facilitate effective communication by providing a platform for instructors to share updates and notifications directly with their students.

Time Management: Students often struggle with managing their time effectively, particularly when juggling multiple courses and assignments. The app aims to incorporate features such as task scheduling, deadline reminders, and progress tracking, helping students optimize their time management skills and stay on top of their coursework.

1.4 Organization of the Report:

- Title and Introduction:
- Background Information:
- Features and Functionality:
- Benefits and Significance:
- User Interface and Design:
- Implementation and Integration:
- User Feedback and Improvements:
- Conclusion:
- References and Citations:

CHAPTER 2

SYSTEM REQUIREMENTS AND SPECIFICATION

2.1 Hardware Specification:

- **Processor:** Inteli5 core or higher
- **System bus:** 64bits
- **RAM:** 8 GB of RAM
- **SDD:** 40 GB or higher
- **Monitor:** 1280x800 minimum screen resolution
- **Keyboard:**108keys
- **Mouse:** compatible mouse

2.2 Software Specification:

- **Operating System:** Windows8or 10(64-bitversion)
- **Front-end:** XML
- **Backend:** JAVA

CHAPTER 3

SYSTEM DESIGN

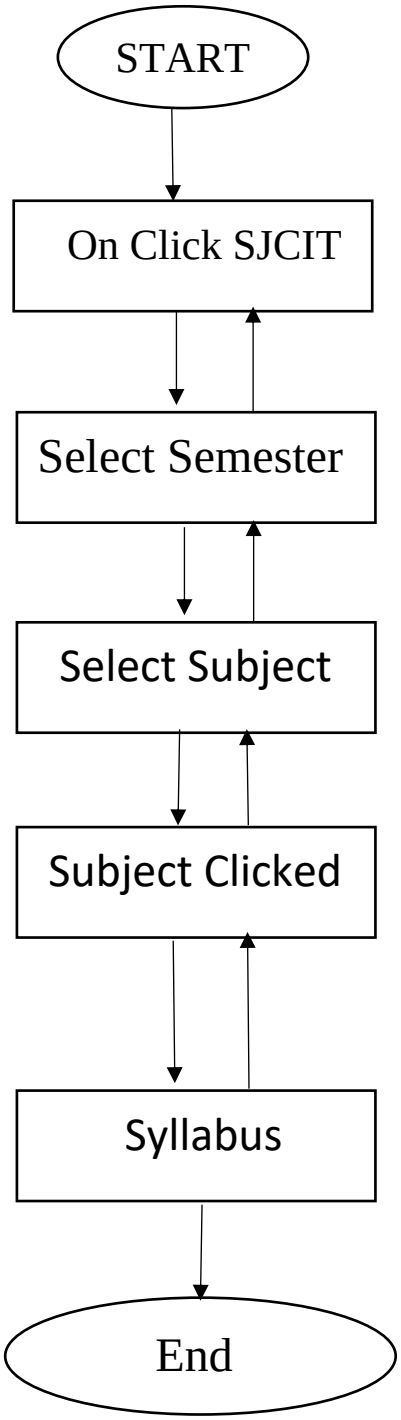

Fig 3.1 Flow chart

An activity diagram is a type of UML (Unified Modeling Language) diagram that is commonly used to model the flow of activities or processes in a system. In the context of a syllabus app project report, an activity diagram can be used to illustrate the different activities and their sequence of execution within the app.

Here is an example of how an activity diagram for a syllabus app project report could look like:

1. Start: This is the initial starting point of the activity diagram.

2. View Semester: This activity represents the process of viewing the Semester for a particular course.

3. View Subject:This activity represents the process of viewing the Subject for a particular Semister.

4. View Syllabus:This activity represents the process of viewing the Syllabus for a particular Subject.

5. End: This is the final endpoint of the activity diagram.

The arrows connecting the activities indicate the flow of control from one activity to another. For example, after the user logs in, they can choose to either view the syllabus, search for a syllabus, add a course, edit a course, delete a course, or log out. The specific sequence of activities will depend on the functionality and requirements of the syllabus app.

It's important to note that this is just a simplified example, and an actual activity diagram for a syllabus app project report might include additional activities and decision points based on the specific features and functionality of the app.

Activity diagrams are valuable tools for visualizing and understanding the flow of activities within a system. They help project stakeholders, developers, and other team members to get a clear overview of the app's functionality and can aid in identifying potential bottlenecks or areas for improvement.

CHAPTER 6

IMPLIMENTATION

JAVA SOURCE CODE

MainActivity3.java

```
package com.example.example;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageView;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity3 extends AppCompatActivity {

    // initialize imageView
// with method findViewById()


    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main3);

        // Apply OnClickListener  to imageView to
        // switch from one activity to another
```

```
        ImageView = (ImageView)findViewById(R.id.imageView2);
        imageView.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                // Intent class will help to go to next activity using
                // it's object named intent.
                // SecondActivty is the name of new created EmptyActivity.
                Intent intent = new Intent(MainActivity3.this, MainActivity.class);
                startActivity(intent);
            }
        });
    }
}
```

MainActivity

```
package com.example.example;

import androidx.activity.result.contract.ActivityResultContracts;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ListView;
import java.util.Arrays;
```

```
import android.os.Bundle;

import android.widget.ArrayAdapter;

import android.widget.Toast;


public class MainActivity extends AppCompatActivity {

    ListView c;


    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        c=(ListView)findViewById(R.id.ttt);

String a[]={"5 semester","6 semester","7 semester","8 semester"};

ArrayAdapter arrayAdapter=new ArrayAdapter(this,
android.R.layout.simple_dropdown_item_1line,Arrays.asList(a));


     c.setAdapter(arrayAdapter);

     c.setOnItemClickListener(new AdapterView.OnItemClickListener() {

         Intent in=new Intent(MainActivity.this,MainActivity2.class);

         @Override


         public void onItemClick(AdapterView<?> parent, View view, int position, long id) {

             if(position==0){

                 Toast.makeText(MainActivity.this,"semester 5
clicked",Toast.LENGTH_LONG).show();

                 String ab[]={"MANAGEMENT AND ENTREPRENEURSHIP FOR IT
INDUSTRY","COMPUTER NETWORK AND SECURITY","DATABASE
MANAGEMENT SYSTEM"

                         ,"AUTOMATA THEORY AND COMPUTABILITY","APPLICATION
DEVELOPMENT USING PYTHON","UNIX PROGRAMMING","COMPUTER
```

```
NETWORK LABORATORY",
                "DBMS LABORATORY WITH MINI PROJECT","ENVIRONMENTAL
STUDIES"};


            in.putExtra("g",ab);
            in.putExtra("key",5);


        }
        if(position==1){
            Toast.makeText(MainActivity.this,"semester 6
clicked",Toast.LENGTH_LONG).show();
            String ab[]={"SYSTEM SOFTWARE AND COMPILERS","COMPUTER
GRAPHICS AND VISUALIZATION","WEB TECHNOLOGY AND ITS
APPLICATIONS",
                "(PE)DATA MINING AND DATA WAREHOUSING","(PE)OBJECT
ORIENTED MODELING AND DESIGN","(PE)CLOUD COMPUTING AND IT'S
APPLICATION",
                "(PE)ADVANCED JAVA AND J2EE","(PE)SYSTEM MODELLING
AND SIMULATION","(OPEN ELECTIVE)MOBILE APPLICATION DEVELOPMENT",
                "(OPEN ELECTIVE)INTRODUCTION TO DATA STRUCTURE AND
ALGORITHM","(OPEN ELECTIVE)PROGRAMMING IN JAVA","(OPEN
ELECTIVE)INTRODUCTION TO OPERATING SYSTEM",
                "SYSTEM SOFTWARE LABORATORY","COMPUTER GRAPHICS
LABORATORY WITH MINI PROJECT","MOBILE APPLICATION DEVELOPMENT"



            };


            in.putExtra("g",ab);
            in.putExtra("key",6);
        }
        if(position==2) {
```

```
            Toast.makeText(MainActivity.this, "semester  7 clicked",
 Toast.LENGTH_LONG).show();

            String ab[] = {"ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING",
 "BIG DATA AND ANALYTICS", "SOFTWARE ARCHITECTURE AND DESIGN
 PATTERNS", "HIGH PERFORMANCE COMPUTING",

                    "ADVANCED COMPUTER ARCHITECTURES", "USER INTERFACE
 DESIGN", "DIGITAL IMAGE PROCESSING", "NETWORK MANAGEMENT",
 "NATURAL LANGUAGE PROCESSING", "CRYPTOGRAPHY",

                    "ROBOTIC PROCESS AUTOMATION DESIGN & DEVELOPMENT",
 "INTRODUCTION TO BIG DATA ANALYTICS","PYTHON APPLICATION
 PROGRAMMING", "INTRODUCTION TO ARTIFICIAL INTELLIGENCE",
 "INTRODUCTION TO DOT NET FRAMEWORK FOR APPLICATION
 DEVELOPMENT",

                    "ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
 LABORATORY"};



               in.putExtra("g", ab);

               in.putExtra("key", 7);

            }

            if(position==3) {

               Toast.makeText(MainActivity.this, "semester  8 clicked",
 Toast.LENGTH_LONG).show();

            String ab[] = {"INTERNET OF THINGS","MOBILE
 COMPUTING","STORAGE AREA NETWORKS","NOSQL
 DATABASE","MULTICORE ARCHITECTURE AND PROGRAMMING",};



               in.putExtra("g", ab);

               in.putExtra("key", 8);

            }




               startActivity(in);
```

```
        }
    });
   }
}
```

MainActivity2

```
package com.example.example;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.TextView;
import android.widget.Toast;

import org.w3c.dom.Text;

import java.util.Arrays;

public class MainActivity2 extends AppCompatActivity {
```

```
ListView c;
TextView t;
String link;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        c=(ListView)findViewById(R.id.fith);
        t=(TextView)findViewById(R.id.textView3);
        Intent i=getIntent();
        String a[]=i.getStringArrayExtra("g");
        ArrayAdapter arrayAdapter=new ArrayAdapter(this,
android.R.layout.simple_dropdown_item_1line, Arrays.asList(a));
        int d=i.getIntExtra("key",0);
        String h=i.getStringExtra("k1");
        if(d==5){
            t.setText("5th SEMESTER SUBJECTS ");
        }
        else if(d==6){
            t.setText("6th SEMESTER SUBJECTS ");
        }
        else if(d==7){
            t.setText("7th SEMESTER SUBJECTS");
        }
        else if(d==8){
            t.setText("8th SEMESTER SUBJECTS");
        }
```

```
        c.setAdapter(arrayAdapter);


        c.setOnItemClickListener(new AdapterView.OnItemClickListener() {
            @Override
            public void onItemClick(AdapterView<?> parent, View view, int position, long id) {
              if(d==5){


                    if (position == 0) {


                        link =
"https://drive.google.com/file/d/17VwOiHoyMlRBJNaZWHqXZF_o74FEfpfR/view?usp=d
rivesdk";
                    } else if (position == 1) {
                        link =
"https://drive.google.com/file/d/178R5YsslmUKXMrKQfBeUAhGktn7KupR_/view?usp=d
rivesdk";
                    } else if (position == 2) {
                        link =
"https://drive.google.com/file/d/17FZ7UOEx13kV9353JyjxR7IJXnWnF62E/view?usp=driv
esdk";
                    } else if (position == 3) {
                        link = "https://drive.google.com/file/d/16vc-
J32WaZ0dXywrdHYc3b6IliDxuQV0/view?usp=drivesdk";
                    } else if (position == 4) {
                        link =
"https://drive.google.com/file/d/16vOrEMNDouErxl2BNVk3fOXnDmi2J-
Sv/view?usp=drivesdk";
                    } else if (position == 5) {
                        link =
"https://drive.google.com/file/d/186LbUhDDMV7ETOOcFi8LXD7TAKBSvaYV/view?usp
=drivesdk";
                    } else if (position == 6) {
```

```
                link = "https://drive.google.com/file/d/176T1HkVaZoCr-J-
6bz8YBEPVZm2QeQla/view?usp=drivesdk";

            } else if (position == 7) {

                link = "https://drive.google.com/file/d/17JKJhs7CEf61bj7zof-
plmNwqUSZf7aX/view?usp=drivesdk";

            } else if (position == 8) {

                link =
"https://drive.google.com/file/d/17NsW7v3Tc8YECGFC3cDG2mte9MpIInFe/view?usp=dr
ivesdk";

            }

          }

        else if(d==6){



          if (position == 0) {

                link =
"https://drive.google.com/file/d/17nwmxi5jM1sbAhEd10Mo7lB0K3sp5IgO/view?usp=driv
esdk";

            } else if (position == 1) {

                link = "https://drive.google.com/file/d/172wwi-
OUzCR5_rWOXBKx2FR4a3GJcQRg/view?usp=drivesdk";

            } else if (position == 2) {

                link =
"https://drive.google.com/file/d/188RvHakHH5FI7c3516wB1_tzrBTrQi4q/view?usp=drive
sdk";

            } else if (position == 3) {

                link =
"https://drive.google.com/file/d/17Jsonq8MCCRWJgRDDEBdnYg2X56uTxwR/view?usp=
drivesdk";

            } else if (position == 4) {

                link = "https://drive.google.com/file/d/17hdpRQ8IBZLI8JnDJKXFh-
FsefJbfvJT/view?usp=drivesdk";

            } else if (position == 5) {

                link = "https://drive.google.com/file/d/13-
```

```
zJfIzaRKEftdc0jHmVGu_AboUQRPRH/view?usp=drivesdk";

            } else if (position == 6) {

                link = "https://drive.google.com/file/d/16v7pu-
UXKrlCQoPm6CUZG6cEhqlskJJl/view?usp=drivesdk";

            } else if (position == 7) {

                link =
"https://drive.google.com/file/d/17tYQqE5Y95N5Sei_xJEEaBNEptcDwk9_/view?usp=driv
esdk";

            } else if (position == 8) {

                link =
"https://drive.google.com/file/d/17UYRiymxslY8Sdnke9mU7mDUVDoDk6MI/view?usp=
drivesdk";



            }

            else if (position == 9) {

                link = "https://drive.google.com/file/d/17Ql0aACYCdoxk5-
hCADLydSRwul4HjPC/view?usp=drivesdk";

            } else if (position == 10) {

                link =
"https://drive.google.com/file/d/17hpAjK1Rp0BwNnzt1CWMGK5j3HJxuins/view?usp=dri
vesdk";

            } else if (position == 11) {

                link = "https://drive.google.com/file/d/17nWP8hu-
LugoytB_Agw0hDJQgL_lDUsK/view?usp=drivesdk";

            } else if (position == 12) {

                link = "https://drive.google.com/file/d/17-4n9xbOEE1eZWdR6duvZbUj3-
CmJIh6/view?usp=drivesdk";

            } else if (position == 13) {

                link = "https://drive.google.com/file/d/17nI_YeLLuJjrQbMlCsx7iD-
1Kc0evpM4/view?usp=drivesdk";

            }
```

```
            }

        else if(d==7){

            if (position == 0) {

                link =
"https://drive.google.com/file/d/1krtHgVHun7Ffyur36ghtrjpZiX0g3aI9/view?usp=drive_lin
k";

            }

            else if (position == 1) {

                link =
"https://drive.google.com/file/d/1JwRTqUM1S4o0GNLqP5nfYtDTJVoFOMWl/view?usp=
drive_link";

            }

            else if (position == 2) {

                link = "https://drive.google.com/file/d/13L0X5TpYx-
2Bupt_QEe6NfzvXrAX7H5-/view?usp=drive_link";

            }

            else if (position == 3) {

                link =
"https://drive.google.com/file/d/19LTa1OnRkXe7wkhbSg__B7C3pRxmGHaX/view?usp=d
rive_link";

            }

            else if (position == 4) {

                link = "https://drive.google.com/file/d/1AOOQcSw01_LELQH2-
GbBmedEeRuE3Bi8/view?usp=drive_link";

            }

            else if (position == 5) {

                link =
"https://drive.google.com/file/d/14ufe8UYH6hLxTCeL72QqCYOugsWn5ckY/view?usp=dr
ive_link";

            }

            else if (position == 6) {

                link =
```

```
"https://drive.google.com/file/d/1Nvfammutu3gWwmPGKm7POq11T5jlAiRq/view?usp=drive_link";

            }

            else if (position == 7) {

                link = "https://drive.google.com/file/d/1p-hg_lsYYSrPDwR7HdJ-wNWyFDA2M7fF/view?usp=drive_link";

            }

            else if (position == 8) {

                link = "https://drive.google.com/file/d/1cv1EgbYFFqwAMh4nnTjR7Rw-Qjfqz6jm/view?usp=drive_link";

            }

            else if (position == 9) {

                link = "https://drive.google.com/file/d/11JXLPKPTIA5qd9YAVVMC3jbolqXpVllG/view?usp=drive_link";

            }

            else if (position == 10) {

                link = "https://drive.google.com/file/d/1lHW0JkVIIReBDTULuFhSMOPnxexiB987/view?usp=drive_link";

            }

            else if (position == 11) {

                link = "https://drive.google.com/file/d/1T7pMjT2GpJFuyrYfOpHtdu7Q7w0RrLMK/view?usp=drive_link";

            }

            else if (position == 12) {

                link = "https://drive.google.com/file/d/126ZuemGAs-wscYoLOlan-uMjqVKhTQJx/view?usp=drive_link";

            }

            else if (position == 13) {

                link =
```

```
"https://drive.google.com/file/d/1rCHmh_DzhxWMsAjM5JxW9kMSnrgX2Kvc/view?usp=
drive_link";

                }

                else{

                    link="https://drive.google.com/file/d/14u-
t7RA9MqGiIJFDeGxIYRIQuwCUAmt7/view?usp=drive_link";

                }









            }

            else if(d==8){

                if(position==0){


link="https://drive.google.com/file/d/14m4CHFkxTgMda0TwC_XomNHQTJyUZ9d5/view
?usp=drive_link";

                }

                else if(position==1){


link="https://drive.google.com/file/d/13o6z_7Qqo29KqM5SynZFf1PMWEuK0AO_/view?
usp=drive_link";

                }

                else if(position==2){

                    link="https://drive.google.com/file/d/1cpsKlTlzn3Rg6sGwu-
L5QvX4jFaD3uiZ/view?usp=drive_link";

                }

                else if(position==3){


link="https://drive.google.com/file/d/1UsgkbasTqFDE9SzmJuDwv9r9EvO8rAJ9/view?usp
=drive_link";

                }
```

```
                else {

link="https://drive.google.com/file/d/1qDdQuQxcCssNX3yApq9a44E9ORc2XYcb/view?usp=drive_link";
                }
            }


              Toast.makeText(MainActivity2.this,"clicked",Toast.LENGTH_LONG).show();



                Intent in=new Intent(MainActivity2.this,FifthSyllabus.class);
                in.putExtra("j",link);
                startActivity(in);
          }
       });


   }
}
```

```
package com.example.example;

import android.app.AlertDialog;
import android.app.DownloadManager;
import android.content.DialogInterface;
```

```
import android.graphics.Bitmap;
import android.net.Uri;
import android.os.Bundle;

import android.webkit.DownloadListener;
import android.webkit.WebSettings;
import android.webkit.WebView;
import android.webkit.WebViewClient;
import android.widget.Toast;
import android.content.Intent;

import androidx.appcompat.app.AppCompatActivity;

public class FifthSyllabus extends AppCompatActivity {
WebView wv;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_fifth_syllabus);
        wv=(WebView)findViewById(R.id.web1);
        Intent intent=getIntent();
        String a=intent.getStringExtra("j");
        // add your link here
        wv.loadUrl(a);
        wv.setWebViewClient(new Client());
        WebSettings ws = wv.getSettings();
```

```
        // Enabling javascript
        ws.setJavaScriptEnabled(true);
        wv.getSettings().setJavaScriptCanOpenWindowsAutomatically(true);
        wv.clearCache(true);
        wv.clearHistory();

        // download manager is a service that can be used to handle downloads
        wv.setDownloadListener(new DownloadListener() {
            @Override
            public void onDownloadStart(String url, String s1, String s2, String s3, long l) {
                DownloadManager.Request req = new
DownloadManager.Request(Uri.parse(url));

req.setNotificationVisibility(DownloadManager.Request.VISIBILITY_VISIBLE_NOTIFY
_COMPLETED);
                DownloadManager dm = (DownloadManager)
getSystemService(DOWNLOAD_SERVICE);
                dm.enqueue(req);
                Toast.makeText(FifthSyllabus.this, "Downloading....",
Toast.LENGTH_SHORT).show();
            }
        });
    }

    private class Client extends WebViewClient {
        // on page started load start loading the url
        @Override
        public void onPageStarted(WebView view, String url, Bitmap favicon) {
            super.onPageStarted(view, url, favicon);
        }
```

```
        // load the url of our drive
        @Override
        public boolean shouldOverrideUrlLoading(WebView view, String url) {
            view.loadUrl(url);
            return true;
        }

        @Override
        public void onPageFinished(WebView view, String url) {
            super.onPageFinished(view, url);
        }

        public void onReceivedError(WebView webView, int errorCode, String description,
    String failingUrl) {
            // if stop loading
            try {
                webView.stopLoading();
            } catch (Exception e) {
            }

            if (webView.canGoBack()) {
                webView.goBack();
            }

            // if loaded blank then show error
            // to check internet connection using
            // alert dialog
```

```
        webView.loadUrl("about:blank");
            AlertDialog alertDialog = new AlertDialog.Builder(FifthSyllabus.this).create();
            alertDialog.setTitle("Error");
            alertDialog.setMessage("Check your internet connection and Try again.");
            alertDialog.setButton(DialogInterface.BUTTON_POSITIVE, "Try Again", new
    DialogInterface.OnClickListener() {
                public void onClick(DialogInterface dialog, int which) {
                    finish();

                    Intent in=new Intent(FifthSyllabus.this, MainActivity.class);
                    startActivity(in);
                }
            });

            alertDialog.show();
            super.onReceivedError(webView, errorCode, description, failingUrl);
        }
    }
}
```

CHAPTER 5

TESTING

Introduction of Testing

The reason behind testing is to find errors. Every program or software has errors in it, against the common view that there are no errors in it if the program or software is working. Executing the programs with intention of finding the errors in it is therefore testing; hence a successful test is one which finds errors. Testing is an activity; however, it is restricted to being performed after the development after the development phase is complete, but is carried parallel with all stages of the system development ,starting with requirement specification.

5.1 Methods of Testing

1. Requirements Analysis:

Review the requirements for the syllabus app and understand the expected functionalities related to semesters, subjects, and syllabus management.

Identify any potential ambiguities, inconsistencies, or missing requirements.

2. Test Planning:

- Define test objectives and test coverage criteria for the syllabus app.
- Create a test plan outlining the testing approach, test deliverables, and resources required.
- Identify the test environments (devices, platforms, browsers) on which the app needs to be tested.

3. Test Data Preparation:

- Prepare a set of test data that covers various scenarios related to semesters, subjects, and syllabus.
- Ensure the test data includes valid and invalid inputs, edge cases, and boundary conditions.

4. Functional Testing:

- Verify that the app correctly displays the available semesters and subjects.
- Test the functionality to add, update, and delete semesters, subjects, and syllabus entries.
- Validate that the app enforces any business rules or constraints related to syllabus management.
- Test the navigation and usability of the app, ensuring a smooth user experience.

5. Integration Testing:

- Verify the integration between the syllabus app and any external systems or databases used for storing semester, subject, and syllabus information.
- Test the data synchronization and consistency between the app and the backend systems.

6. Performance Testing:

- Assess the performance of the syllabus app by simulating a realistic workload.
- Measure and analyze the response times for various operations, such as loading semesters, subjects, and syllabus entries.
- Identify any bottlenecks or performance issues and suggest improvements if necessary.

7. Documentation Review:

- Review the documentation, including user manuals and technical guides, to ensure that they accurately reflect the functionality of the syllabus app.

These steps provide a general framework for testing a syllabus app, but the specific testing activities and their depth may vary depending on the app's complexity and requirements.

CHAPTER 6

RESULT AND DISCUSSION

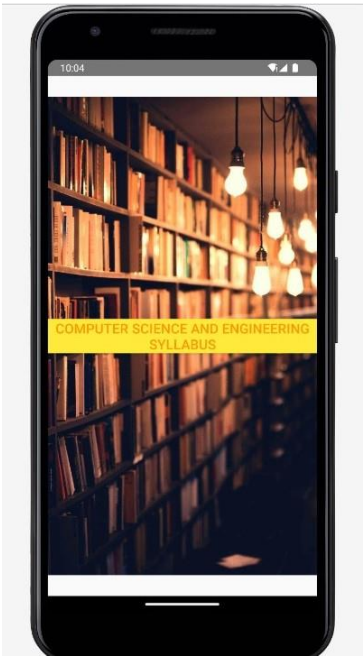

Figure 6.1 Cse Syllabus

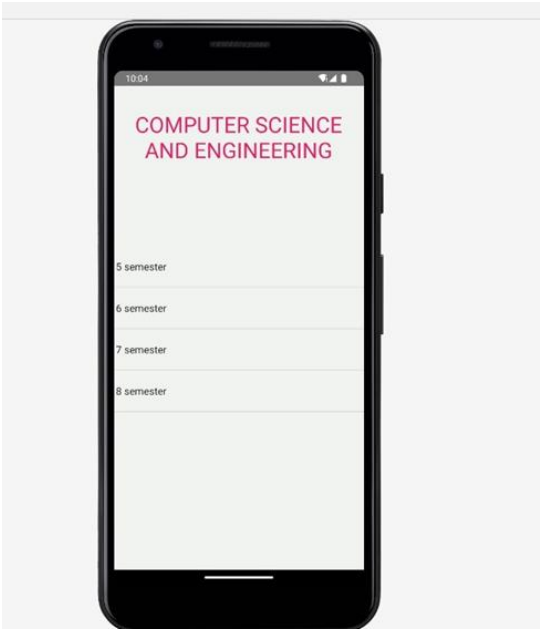

Figure 6.2 Semesters

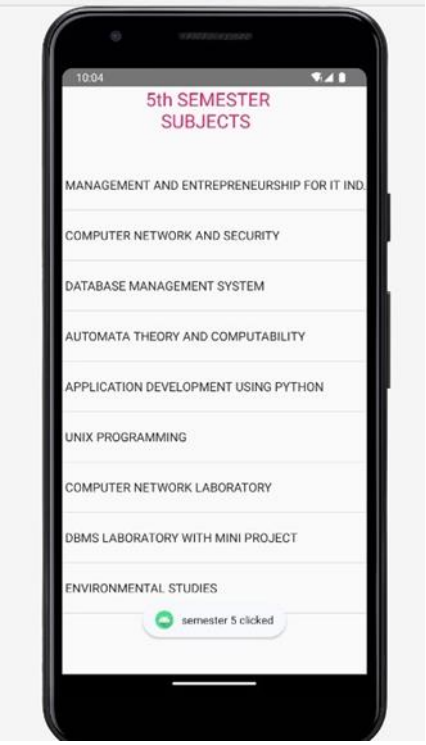

Figure 6.3 5th Semester Subjects

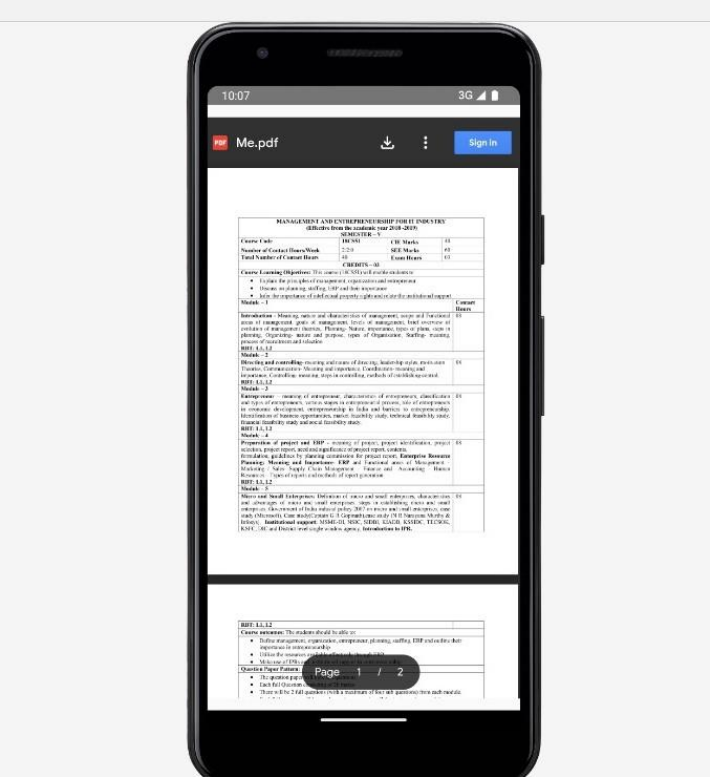

Figure 6.4 Subject Syllabus

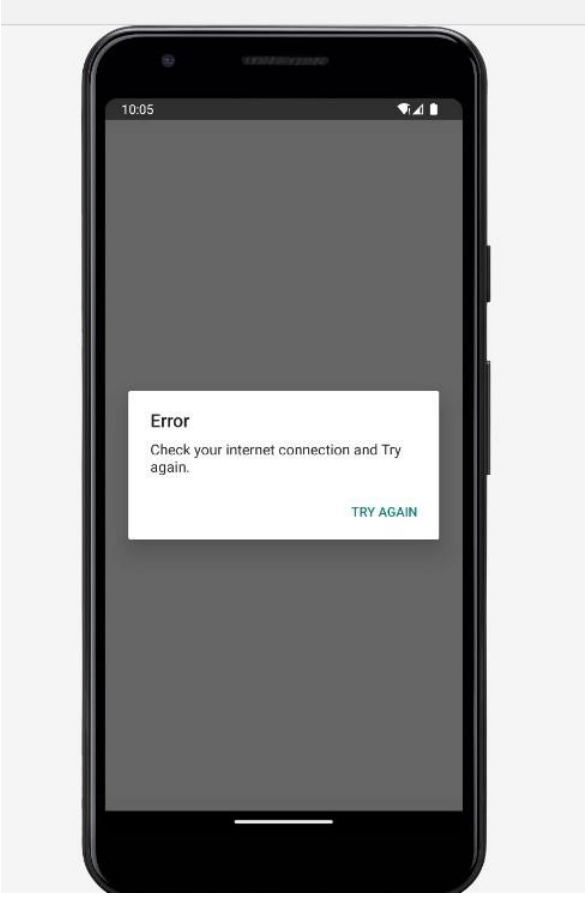

Figure 6.5 Accessing Content Without Internet

CHAPTER 7

CONCLUSION

In conclusion, the syllabus app project has reached its completion, and it has been a significant achievement for the team. Throughout the project, we have successfully designed, developed, and implemented an innovative app that aims to simplify the process of accessing and managing syllabi for courses.

The objectives set at the beginning of the project were met, and the app now provides users with a user-friendly interface to login, view syllabi, search for specific syllabi, add new courses, edit existing courses, and delete courses. These functionalities have been implemented in a seamless and intuitive manner, ensuring a positive user experience.

During the development process, the team encountered challenges and obstacles, but through effective communication, collaboration, and problem-solving, we were able to overcome them and deliver a high-quality product. The project adhered to the established timeline and budget, demonstrating our commitment to project management and resource allocation.

The feedback received from stakeholders and users during testing and evaluation phases has been overwhelmingly positive. Users appreciate the app's ease of use, its ability to organize and access syllabi efficiently, and the time it saves in managing course materials. This positive feedback validates our efforts and confirms that the project has successfully addressed a real need in the education sector.

Moving forward, there are opportunities for further enhancements and additions to the syllabus app. This may include integrating additional features such as notifications for upcoming deadlines or events, collaborative features for group projects, or integration with external calendar systems.

FUTURE ENHANCEMENT

Mobile Application: Develop a mobile application version of the syllabus app to provide users with the convenience of accessing their course syllabi on their smartphones or tablets. This will increase accessibility and cater to the preferences of mobile users.

Notifications and Reminders: Implement a notification system within the app to send reminders to users about upcoming deadlines, class changes, or important announcements related to their courses. This feature will help users stay organized and stay on top of their coursework.

BIBILOGRAPHY

[1] "Android Programming: The Big Nerd Ranch Guide" by Bill Phillips and Brian Hardy - This book provides a comprehensive introduction to Android development, covering topics like UI design, database integration, and networking.

[2] "Head First Android Development" by Dawn Griffiths and David Griffiths - This book takes a hands-on approach to learning Android development and covers topics like layout design, user input, and handling data.

[3] "Android Studio Development Essentials" by Neil Smyth - This book is aimed at beginners and covers the basics of Android development using Android Studio, including topics like layouts, resources, and user interface design.