

# **STUDENT GUIDE**

Submitted in partial fulfillment of the requirements

of the degree of

Bachelor of Engineering in Information Technology

By

**Lav Dabade**      **(Roll No. 18101A0016)**  
**Harshala Ardekar**      **(Roll No. 19101A2006)**  
**Tanvi Gangar**      **(Roll No. 19101A2007)**

Under the Guidance of  
**Prof. Ichhanshu Jaiswal**

Department of Information Technology



Vidyalankar Institute of Technology  
Wadala(E), Mumbai-400437

University of Mumbai

2021-22

# **CERTIFICATE OF APPROVAL**

This is to certify that the project entitled

**“Student Guide”**

is a bonafide work of

**Lav Dabade              (Roll No. 18101A0016)**  
**Harshala Ardekar      (Roll No. 19101A2006)**  
**Tanvi Gangar            (Roll No. 19101A2007)**

submitted to the University of Mumbai in partial fulfillment of the requirement for the award of the

degree of

**Undergraduate** in “**BE, Information Technology**”.

Guide

(Ichhanshu Jaiswal)

Head of Department

(Dr. Vipul Dalal)

# **PROJECT REPORT APPROVAL FOR B. E.**

This project report entitled (*Project Title*) by

- 1. Lav Dabade – 18101A0016**
- 2. Harshala Ardekar – 19101A2006**
- 3. Tanvi Gangar – 19101A2007**

is approved for the degree of ***Bachelor of Engineering in Information Technology***.

Examiners

1.-----

2.-----

Date:

Place:

## **DECLARATION**

I declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, I have adequately cited and referenced the original sources. I also declare that I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. I understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

Name of student	Roll No.	Signature
1. Lav Dabade	18101A0016	
2. Harshala Ardekar	19101A2006	
3. Tanvi Gangar	19101A2007	

Date

## **ACKNOWLEDGMENT**

We are pleased to present “Student Guide” as our project and take this opportunity to express our profound gratitude to all those people who helped us in completion of this project.

We thank our college for providing us with excellent facilities that helped us to complete and present this project. We would also like to thank the staff members and lab assistants for permitting us to use computers in the lab as and when required.

We express our deepest gratitude towards our project guide Prof. Icchanshu Jaiswal for his valuable and timely advice during the various phases in our project. We would also like to thank him for providing us with all proper facilities and support as the project co-coordinator. We would like to thank he for support, patience and faith in our capabilities and for giving us flexibility in terms of working and reporting schedules.

Finally we would like to thank everyone who has helped us directly or indirectly in our project.

Lav Dabade  
Harshala Ardekar  
Tanvi Gangar

## **ABSTRACT**

In the current system students get confused about their syllabus, reference materials and previous papers as there are many options available online. Also, there is a possibility that books which are used by students becomes outdated. Thus we are providing them a guide which will make their learning easy and effective.

In the proposed system, to overcome the issues faced by students we are designing an application where students can find syllabus for their course easily. Also we provide recommendation of the best book for particular subject based on students feedback. For the recommended book, the portal will also show if that book is available in our bookstore and if that book is not available in the bookstore students can checkout links given by us where they can buy that book.

We are also providing them a platform where they can buy or sell their books. Those who want to sell their books can upload details of those books and interested students can send them request for buying. Both buyer and seller will get email notification about each other's contact details so that they can communicate for further details

The main objective of the application is that even the needy students can buy the second hand books at low rates and students will get proper guidance in their learning process.

## Table of Contents

<b>SR NO.</b>	<b>TOPIC</b>	<b>PAGE NO.</b>
1	Introduction	
1.1	Introduction	
1.2	Motivation	
1.3	Problem Statement & Objective	
1.4	Organization of Report	
2	Literature Survey	
2.1	Survey of Existing or Similar System	
2.2	Related work	
3	System Design	
3.1	Proposed System Algorithm	
3.2	Methodology	
3.3	Analysis	
3.4	Design and UML Diagrams	
4	Result and Discussion	
5	Conclusion and Future Scope	
6	References	

## **Table of Figures**

<b>Fig.no</b>	<b>Name</b>	<b>Page no.</b>
3.1	Flowchart	5
3.3.1	Class Diagram	6
3.3.2	Use Case Diagram	7
3.3.3.1	Activity Diagram-Authentication	8
3.3.3.2	Activity Diagram - Dashboard	8
3.3.3.3	Activity Diagram-Bookstore	9
3.3.4.1	Sequence Diagram-Complete Portal	10
3.3.4.2	Sequence Diagram-Bookstore	11
3.5	Methodology	12
3.5.1	Process Model	13
3.5.3.1	Timeline Chart	15
3.5.3.2	Gantt chart	15

# **CHAPTER 1**

## **INTRODUCTION**

# **Chapter 1: Introduction**

## **1.1 Introduction**

Online recommendation systems are the in thing to do for many e-commerce websites. A recommendation system broadly recommends products to customers best suited to their tastes and traits. This project is like a guide for the students where in they can view syllabus, also buy and sell the books. The students can go through the syllabus, view its reference books, buy the second hand books of interest or can sell a book they don't use and also be able to see papers. Generally after exams student most of the student don't use their previous years books which remains at home as it is, through this portal the students can sell their books. Other students can buy these second hand books at a price lower than the new book. Also the hassle of going to several bookstores to find a particular book can be avoided. Instead of Throwing old books away or giving them to scrap paper dealers , this website provides a platform to sell these books to someone who actually needs it. Also buying second hand books instead of new ones can save paper cost and reduce cutting of trees. Reference books can be costly for many students to afford. This portal can help them to buy those books at low prices as there will be second hand books

If a student is interested in a particular book he/she can request it to the seller. On sending a request, automatically a mail is sent to the seller quoting 'He/She is interested in your book' . Further the buyer and seller can connect through email.. Also the hassle of going to several bookstores to find a particular book can be avoided. Instead of Throwing old books away or giving them to scrap paper dealers , this website provides a platform to sell these books to someone who actually needs it. Also buying used books instead of new ones can save paper cost and reduce cutting of trees.

## **1.2 Motivation**

The main aim of proposed system is to improve efficiency of existing system for student guidance, the proposed system will overcome the issues faced by students, Thus we are designing an application where students can find syllabus for their course easily. Also we provide recommendation of the best book for particular subject based on students feedback. For the recommended book, the portal will also show if that book is available in our bookstore and if that book is not available in the bookstore students can checkout links given by us where they can buy that book.

We are also providing them a platform where they can buy or sell their books. Those who want to sell their books can upload details of those books and interested students can send them request for buying. Both buyer and seller will get email notification about each other's contact details so that they can communicate for further details.

## **1.3 Problem Statement & Objective**

In the current system students get confused about their syllabus, reference materials and previous papers as there are many options available online. Also, there is a possibility that books which are used by students becomes outdated. This leads to improper guidance to students in their learning process.

## **1.4 Organization of Report**

Report is divided into three important sections as follow,

**Introduction:** This section includes basic overview of system including:

- Introduces the topic of the report in context
- Explains the problem and motivation for the project
- States the aim of the project
- Indicates the purpose of the report
- Briefly outlines the report structure

**Literature Survey:** A literature survey in a report is the section which shows the various analyses and research made in the field of project and the results already published, taking into account the various parameters of the project and the extent of the project. It is the most important part of report as it gives a direction in the area of project domain. It helps to set a goal for analysis. This section contains analysis of six similar existing applications which includes ratings, downloads, advantages and limitations. Along with the common conclusion of the analysis and how we are solving the encountered issues in our project

**Proposed System:** Proposed system explains how we are going to do implement the project. What is our project and what is new in our project other than existing things. This section includes:

- Architecture or framework of the system.
- Algorithm and the process design with flowchart and examples.
- Hardware and software requirements along with estimated cost.
- Methodology used in project development with timeline.
- Flowchart and diagrams.
- Feasibility study.
- Results and discussion. At the end report explains future scope and conclusion followed by reference.

## **CHAPTER 2**

## **LITERATURE SURVEY**

## Chapter 2: Literature Survey

### 2.1 Survey of Existing or Similar System

There are many similar systems available, but the problem is that various system have various feature. There are some system which may provide the best notes but they don't provide syllabus to refer. Similarly there are some systems which provide notes, syllabus but don't provide recommendation of book.

So keeping all theses issues in mind our system is a club of all the existing system which will be beneficial for all the student in their learning process.

### 2.2 Related Work

#### Paper [1]

Application Name: Syllabus App

Rating and reviews: 3.5

Size: 4.8 MB

Downloads: 50k+



Features:

- No ads and runs smoothly.
- Easy and simple design.

Limitations:

- Technical glitch while opening Settings.
- Static application.
- Content glitch.

#### Paper [2]

Application Name: BE Syllabus (RGPV)

Rating and reviews: 4.0

Size: 4.1 MB

Downloads: 1k+



Features:

- Syllabus is provided in a pdf file which can be downloaded.
- It covers about 15 different branches.

Limitation:

- Lack of user friendly UI.
- Although being a great initiative, less downloads and usability.

### **Paper [3]**

Application Name: B.Tech Syllabus

Rating and reviews: 3.5

Size: 4.8 MB

Downloads: 10k+

Features:

- Easy and simple design
- No ads and runs smoothly

Limitations:

- Static Application.
- Although being a great initiative, less downloads and usability.



### **Paper [4]**

Application Name: old.mu.ac.in

Application Type : Web Application

Features:

- Official website of Mumbai university
- Regular updation of content

Limitations:

- Static Application.
- Does not provide book recommendation
- Created for Mumbai university syllabus only



### **Paper [5]**

Application Name: www.unipune.ac.in

Application Type : Web Application

Features:

- Official website of Pune university
- Regular updating of content

Limitations:

- Static Application.

Does not provide book recommendation



# **CHAPTER 3**

# **SYSTEM DESIGN**

## Chapter 3: System Design

### Flowchart:

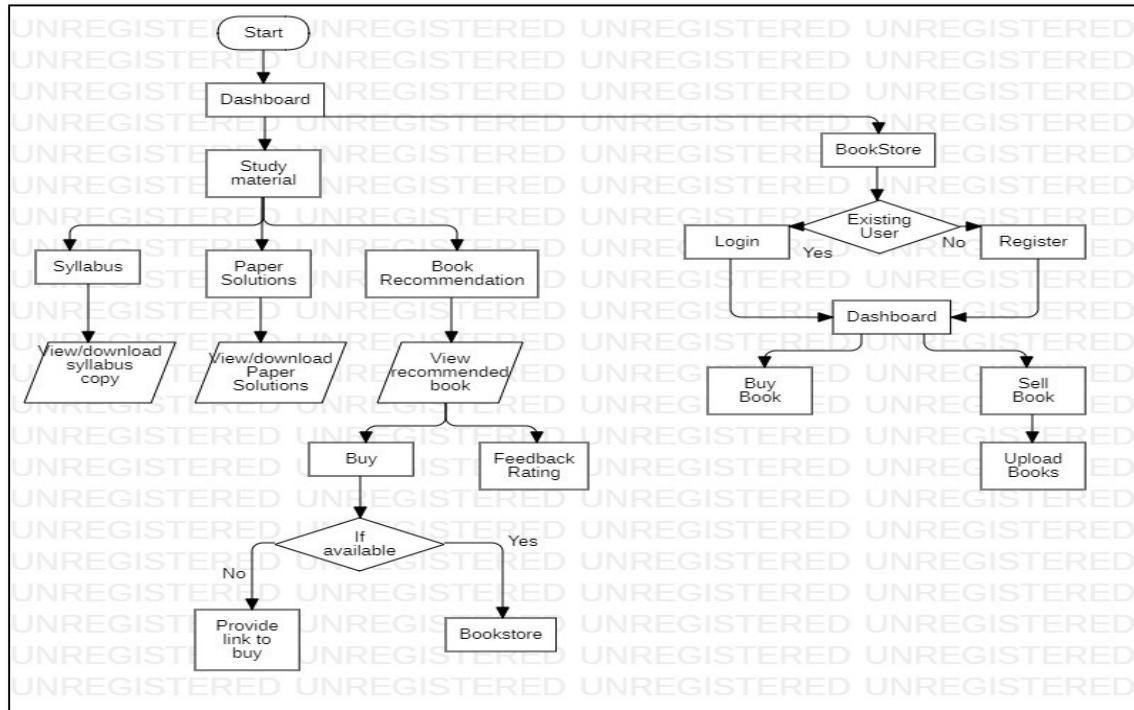


Fig 3.1 Flowchart

### 3.1 Proposed System Algorithm

In the proposed system, to overcome the issues faced by students we are designing an application where students can find syllabus for their course easily. Also we provide recommendation of the best book for particular subject based on students feedback. For the recommended book, the portal will also show if that book is available in our bookstore and if that book is not available in the bookstore students can checkout links given by us where they can buy that book.

We are also providing them a platform where they can buy or sell their books. Those who want to sell their books can upload details of those books and interested students can send them request for buying. Both buyer and seller will get email notification about each other's contact details so that they can communicate for further details.

### 3.2 Methodology

The WATERFALL methodology is being used for our software development. Project development including documentation and release is divided into 7 sprints. According to sprints, the estimated time required to develop the project is 365 Days.

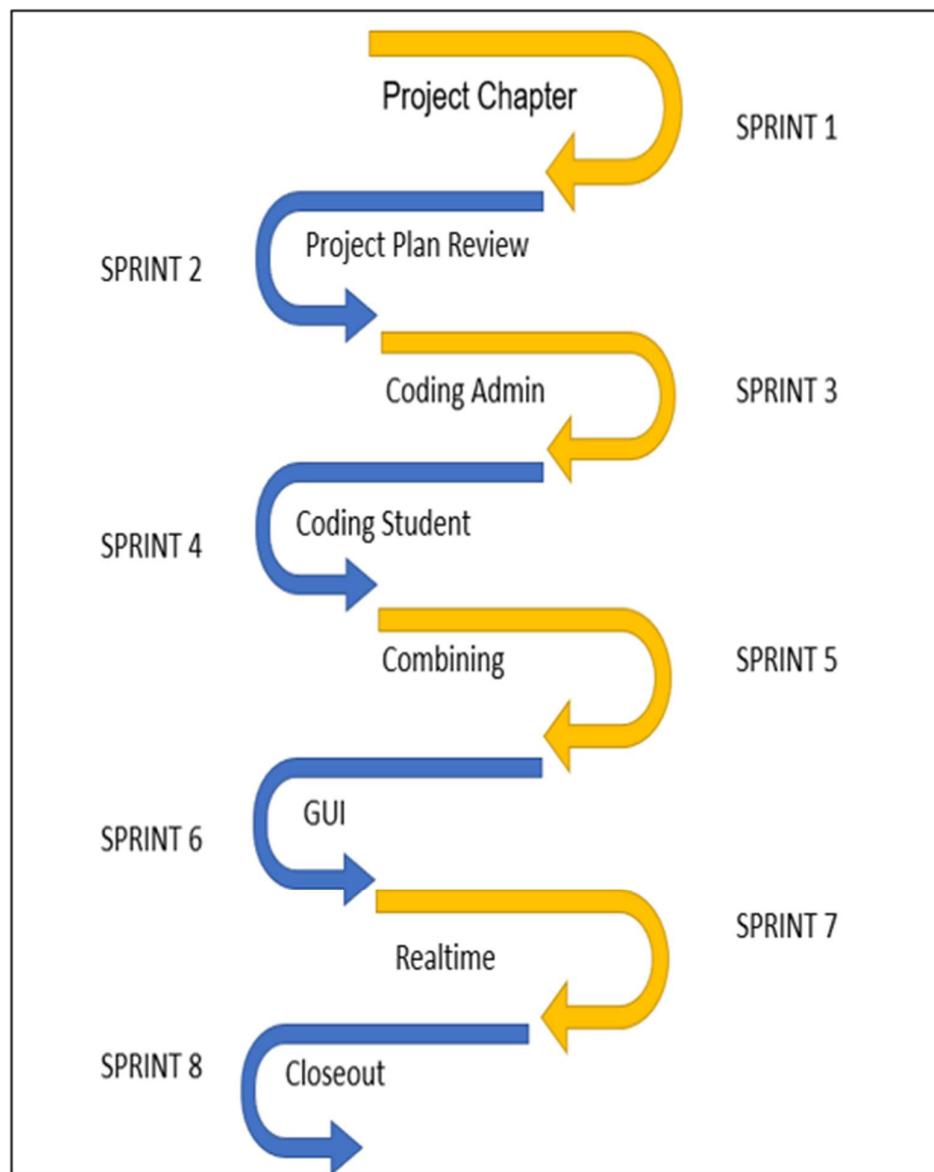


Fig 3.2 Methodology

### 3.3 Analysis

#### 3.3.1 Process Model

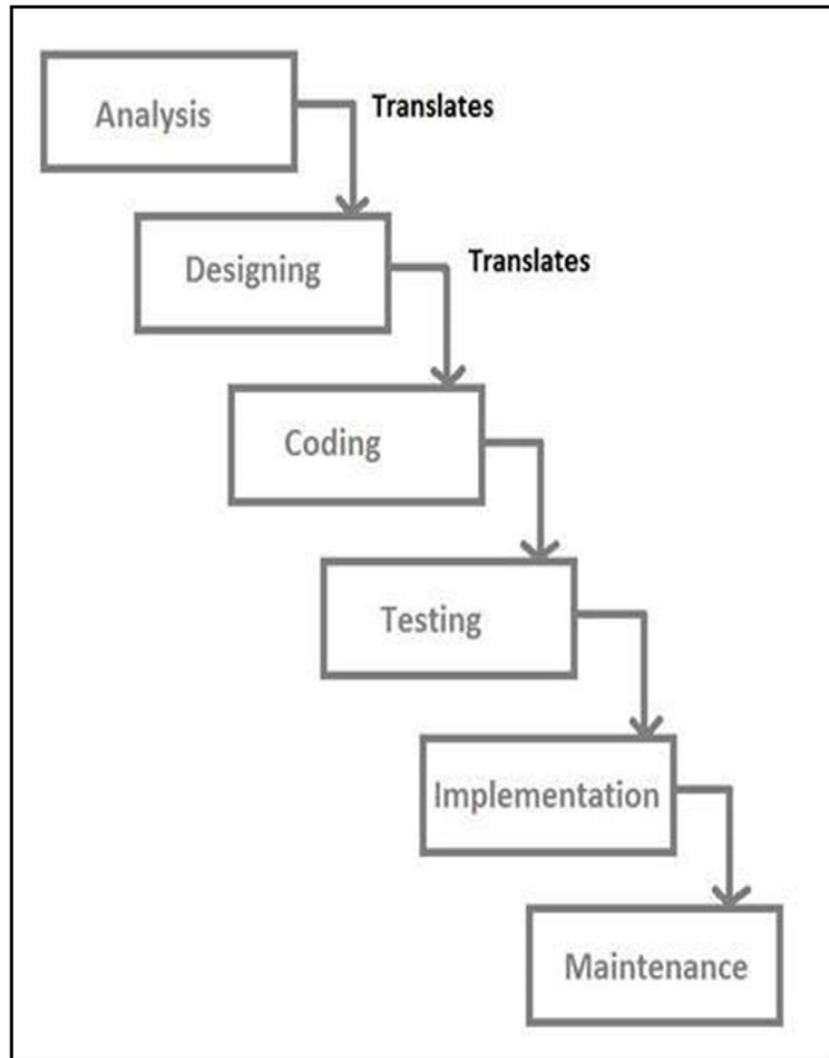


Fig 3.3.1 Process Model

We will be using waterfall model in order to develop our project. The reasons for using waterfall model are as follows:

- It allows for departmentalization and control. A schedule can be set with deadlines for each stage of development and a product can proceed through the development processmodel phases one by one.
- All the requirements are documented beforehand.
- The waterfall model progresses through easily understandable and explainable

phases and thus it is easy to use.

- It is easy to manage due to the rigidity of the model – each phase has specific deliverables and a review process.
- In this model, phases are processed and completed one at a time and they do not overlap.

### 3.3.2 Feasibility Study

- 1. Technical feasibility:** Technical feasibility focuses on the technical resources (software and hardware) available to the organization and also helps to determine whether the technical team is capable of converting the ideas into working systems. The software required for our project, xampp, jupyter notebook is already ready with us.
- 2. Economic feasibility:** This assessment typically involves a cost/ benefits analysis of the project. This project developed in minimal amount will emerge as a huge market valued project- solving the students issues by providing proper guidance through the proposed portal.
- 3. Legal feasibility:** this assessment investigates whether any aspect of the proposed project conflicts with legal requirements like zoning laws, data protection acts, or social media laws. The project does not involve any legal concerns since all the decisions will be taken under the guidance of the admin.
- 4. Operational feasibility:** This assessment involves undertaking a study to analyze and determine whether how well the organization's needs can be met by completing the project. The main objective of the project is that even the needy students can buy the second hand books at low rates and students will get proper guidance in their learning process.

## Timeline Chart and Gantt Chart

### 3.3.3.1 Timeline Chart

Task Name	Start	End	Duration(days)
Project Chapter	1/7/21	15/7/21	15
Project Plan Review	16/7/21	31/7/21	16
Coding admin	1/8/21	31/10/21	92
Coding student	1/8/21	31/10/21	92
Combining	1/11/21	31/1/22	31
GUI	15/1/22	15/2/22	31
Realtime	10/2/22	10/3/22	28
Closeout	11/3/22	30/3/22	20

Fig 3.3.3.1 Timeline Chart

### 3.3.3.2 Gantt Chart

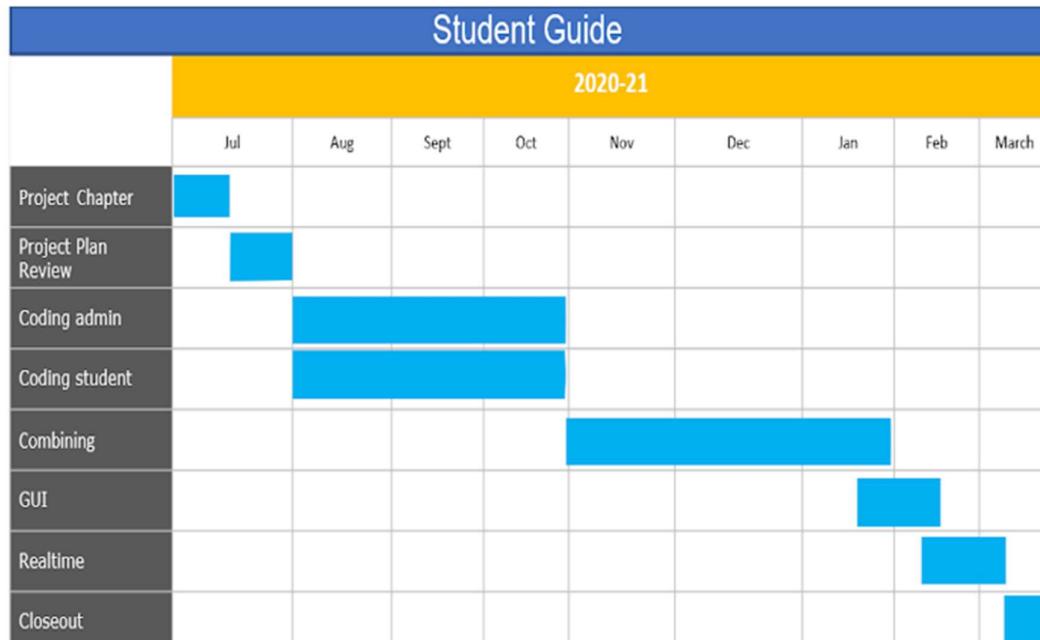
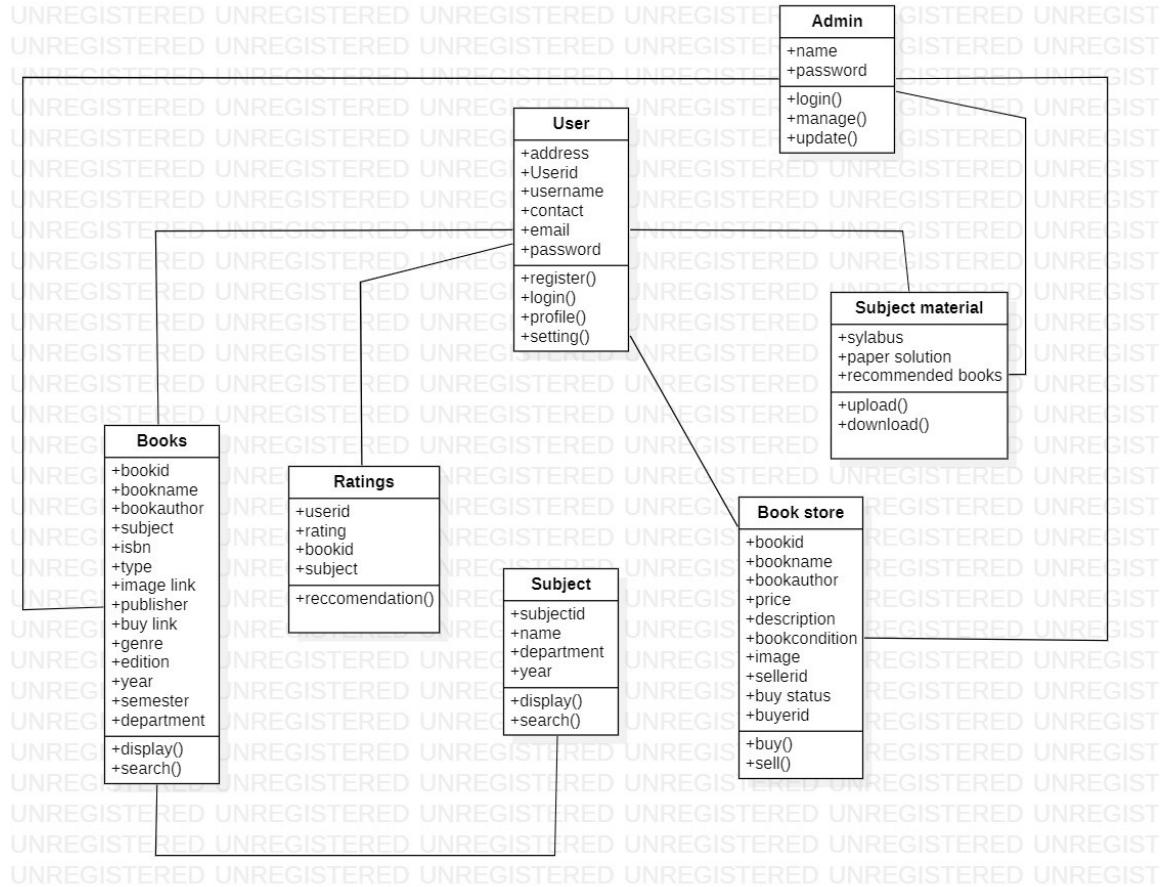


Fig 3.3.3.2 Gantt Chart

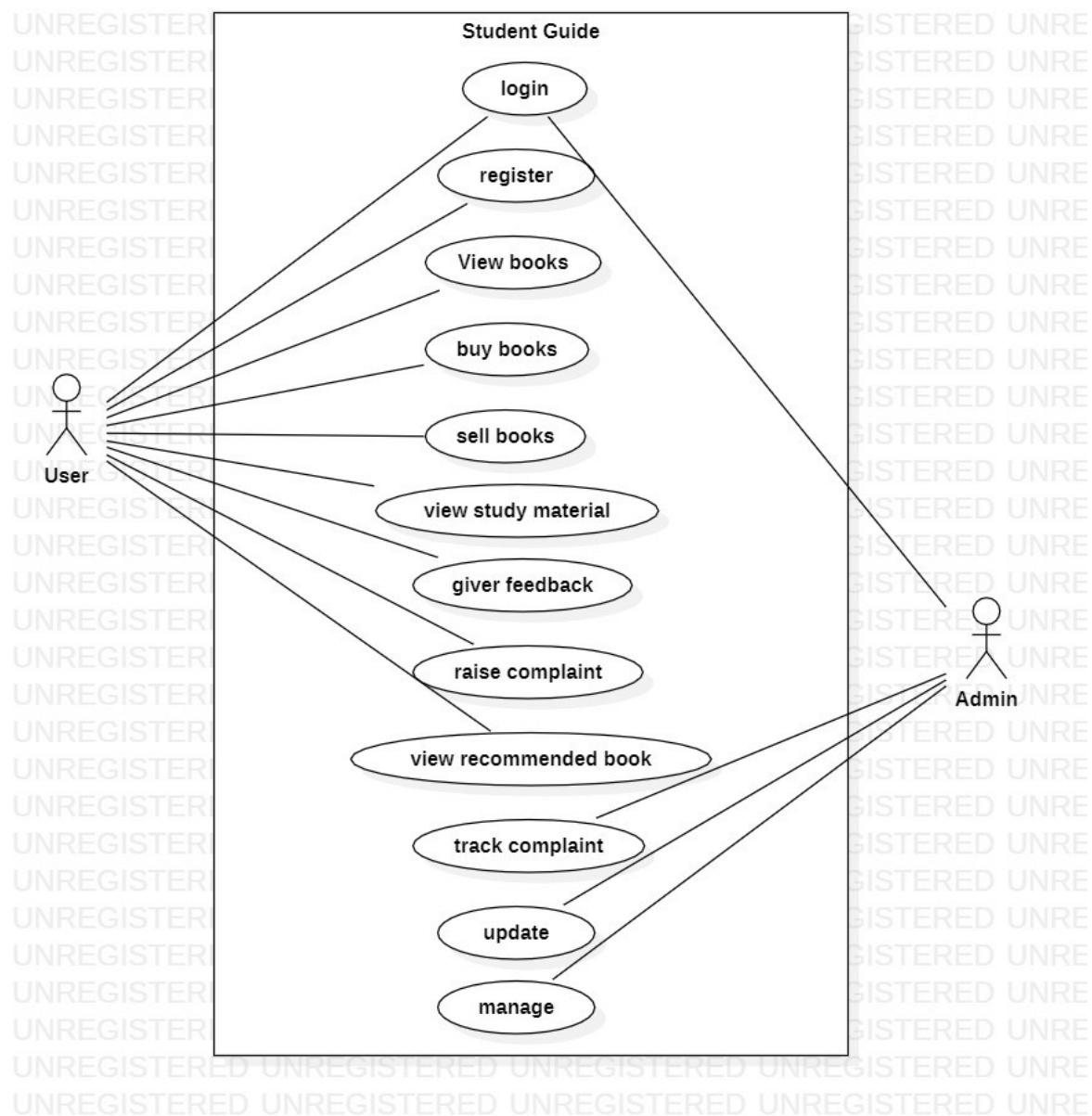
### 3.3.4 Design and UML Diagram

#### 3.3.4.1 Class Diagram



**Fig 3.3.4.1 Class Diagram**

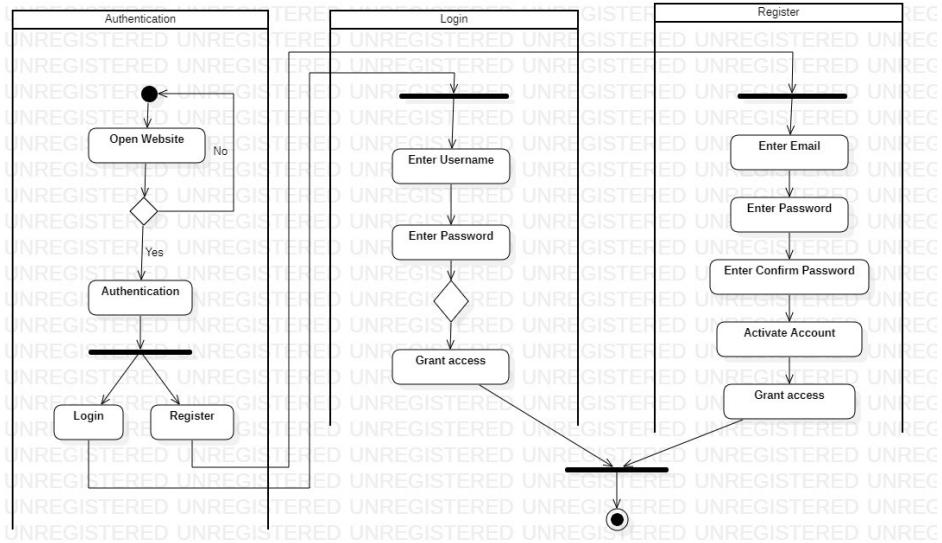
### 3.3.4.2 Use Case Diagram



**Fig 3.3.4.2 Use Case Diagram**

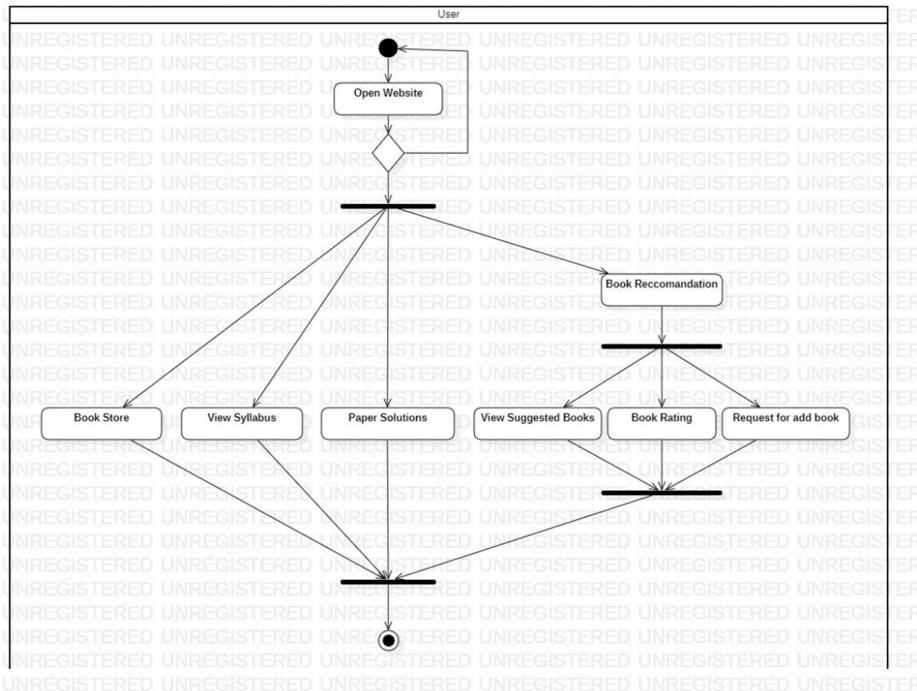
### 3.3.4.3 Activity Diagram

#### 3.3.4.3.1 Activity Diagram – Authentication



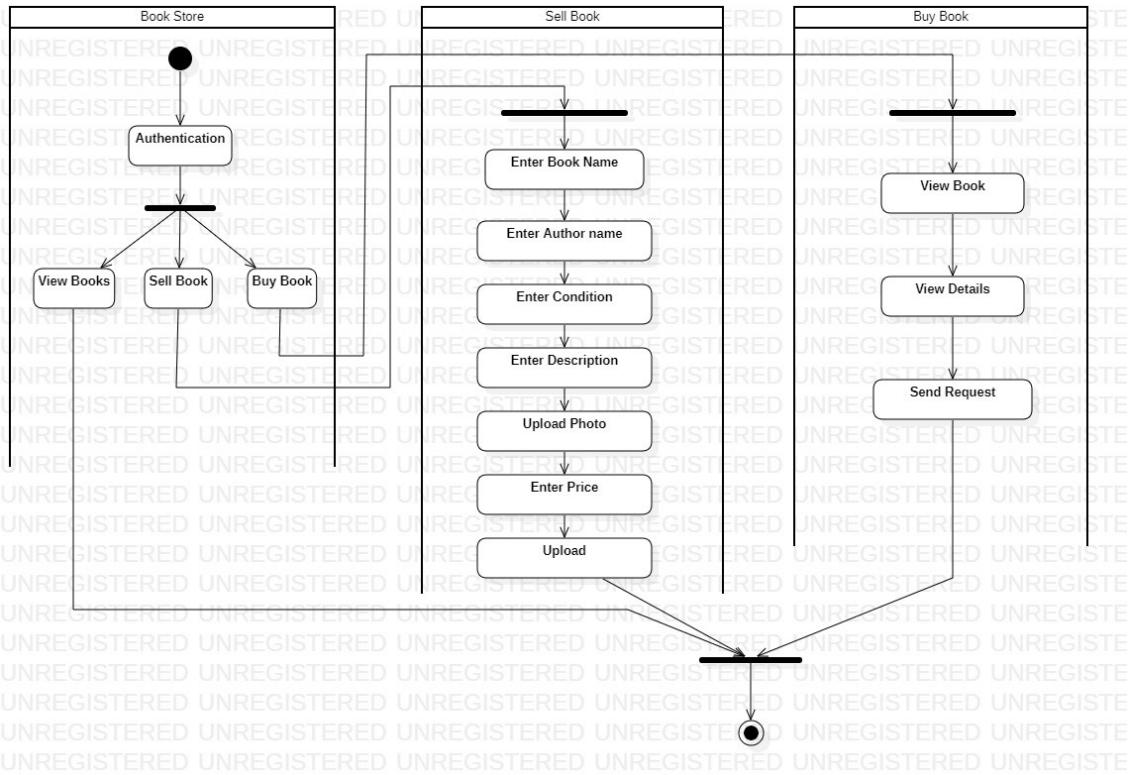
**Fig 3.3.4.3.1 Activity Diagram – Authentication**

#### 3.3.4.3.2 Activity Diagram – Dashboard



**Fig 3.3.4.3.2 Activity Diagram – Dashboard**

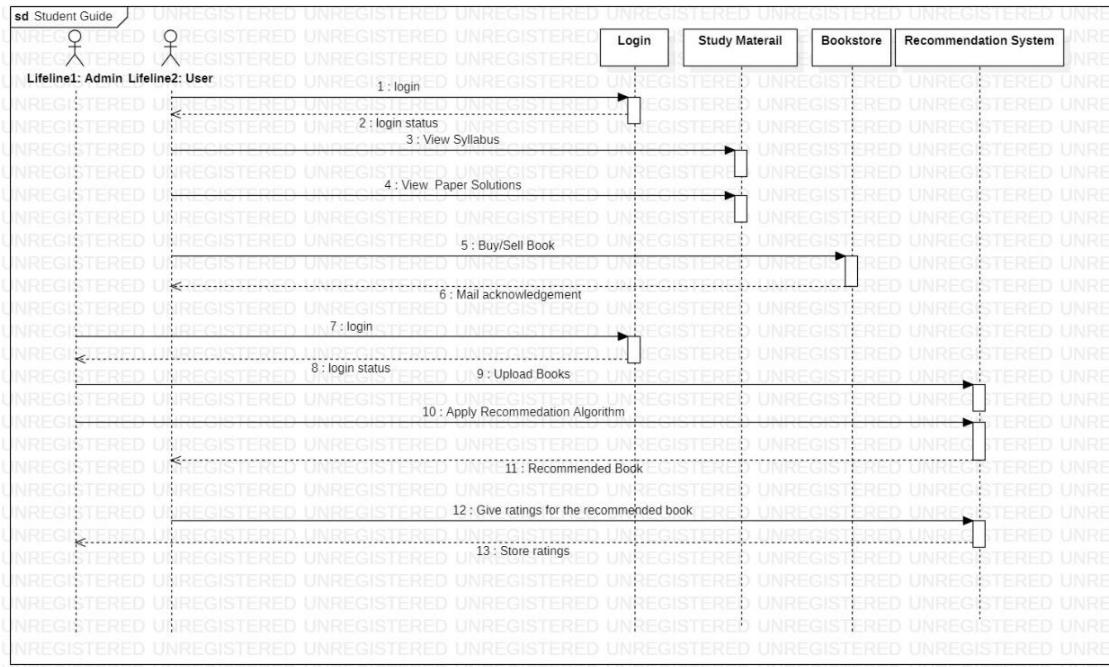
### 3.3.4.3.3 Activity Diagram – Bookstore



**Fig 3.3.4.3.3 Activity Diagram – Bookstore**

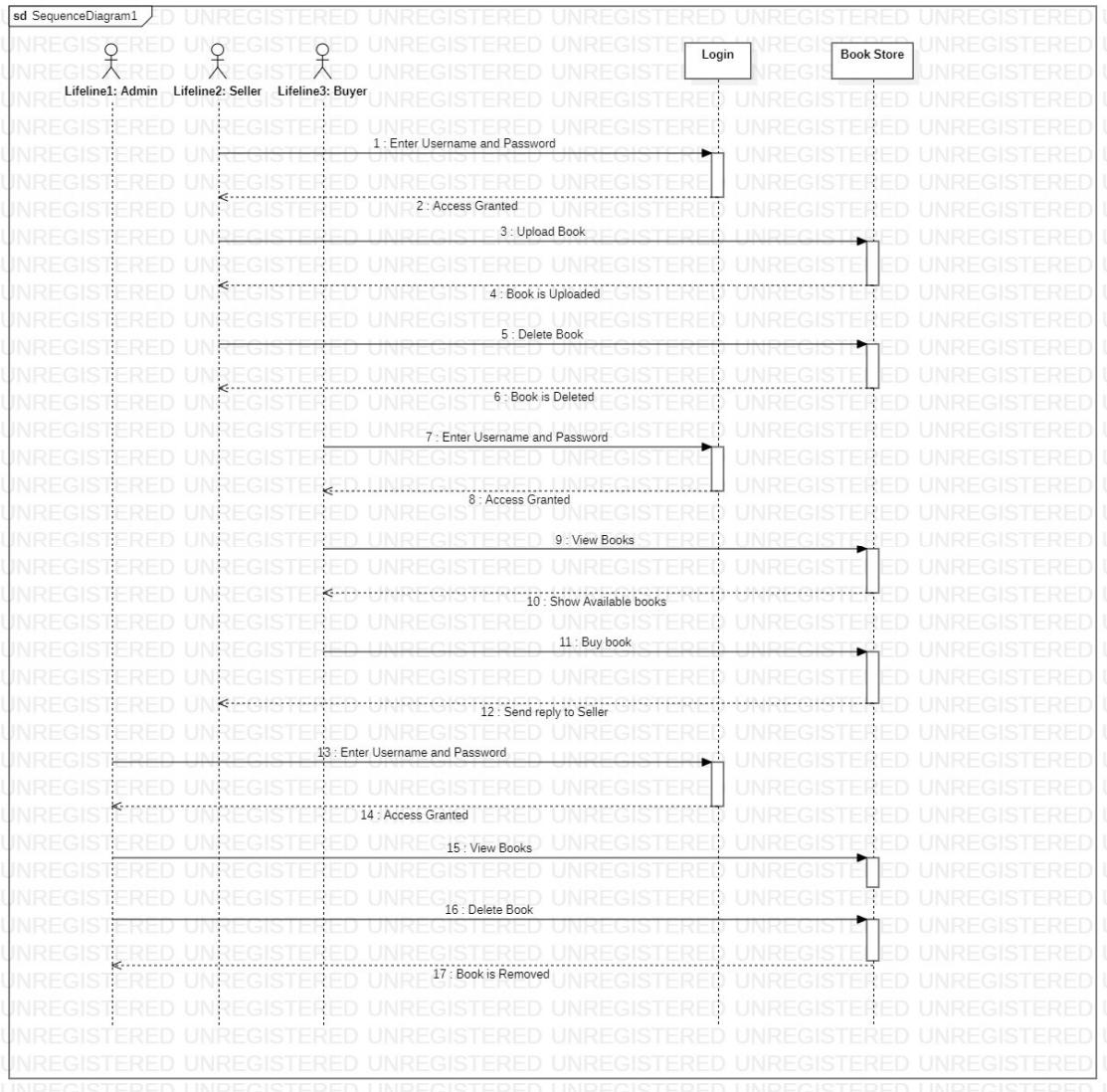
### 3.3.4.4 Sequence Diagram

#### 3.3.4.4.1 Sequence Diagram – Complete Portal



**Fig 3.3.4.4.1 Sequence Diagram – Complete Portal**

### 3.3.4.4.1 Sequence Diagram – Bookstore



**Fig 3.3.4.4.1 Sequence Diagram – Bookstore**

## **CHAPTER 4**

## **RESULTS AND DISCUSSIONS**

## Chapter 4: Results and Discussion

**STUDENT GUIDE**

Home About Study Guide Bookstore Notystore Contact Login/Register

**Learning Today,  
Leading Tomorrow**  
Best Guide for students learning process

Get Started

**STUDENT GUIDE**

Useful Links Our Services

ASOB Adam Street  
New York, NY 1234562  
United States

> Home > Syllabus  
> Book Store > Reference Books

**STUDENT GUIDE**

View Books Sell Book Your Books Your Orders Log Out

Filter the books

Department: All Semester: All

**Basic Electrical E...**  
V.N. Mitt...  
Price: 150  
Send Request  
View Details

**Engineering Drawin...**  
N.D. Bhat...  
Price: 200  
Delete  
View Details

**STUDENT GUIDE**

View Books Sell Book Your Books Your Orders Log Out

**Basic Electrical Engineering**

Author: V.N. Mittal  
Price: 150  
Condition: Used-New Like  
Publisher: Tata McGraw Hill  
ISBN ID: 9780070593572

Send Request  
Buy New Book  
Report

**BASIC ELECTRICAL ENGINEERING**  
Second Edition  
V N Mittal | Arvind Mittal



1/3

Select Department:  
Information technology

Select Semester:  
SEM-I

#### STUDENT GUIDE

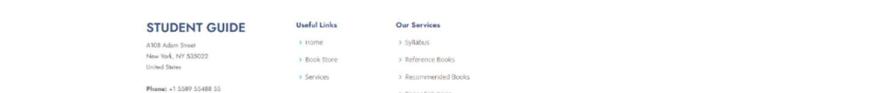
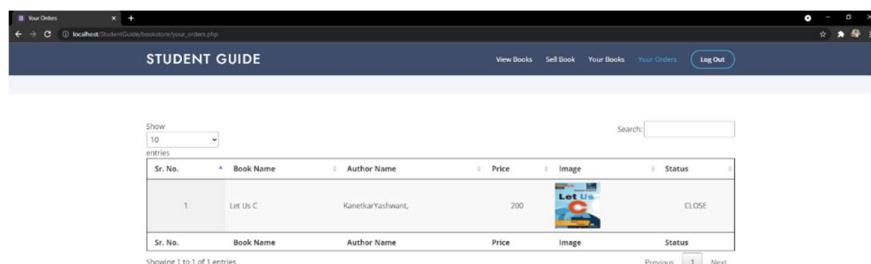
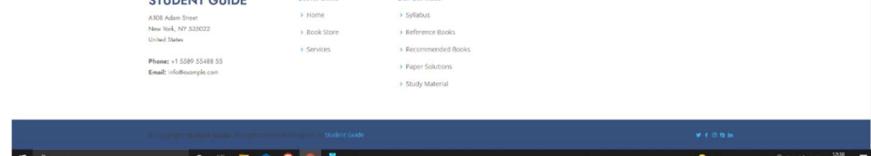
100 Adam Street  
New York, NY 530022  
United States  
Phone: +1 5589 55488 55  
Email: info@example.com

#### Useful Links

[Home](#)  
[Book Store](#)  
[Services](#)

#### Our Services

[Syllabus](#)  
[Reference Books](#)  
[Recommended Books](#)  
[Paper Solutions](#)  
[Study Material](#)



#### STUDENT GUIDE

100 Adam Street  
New York, NY 530022  
United States  
Phone: +1 5589 55488 55  
Email: info@example.com

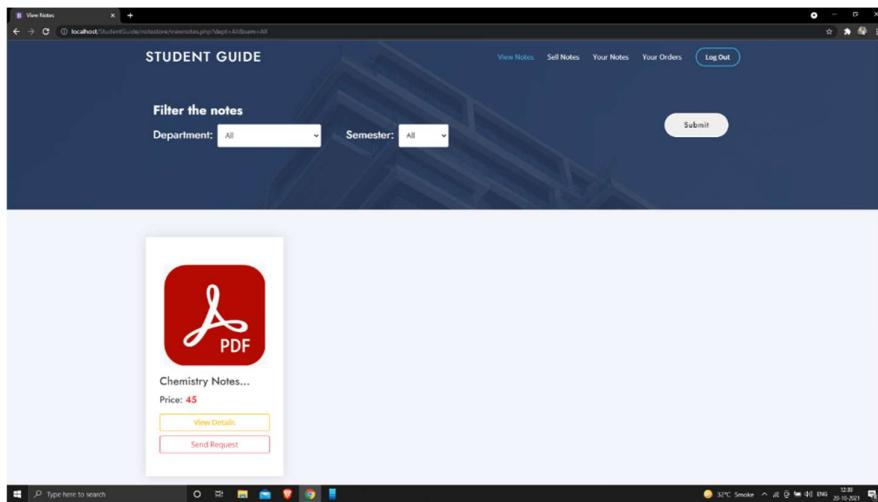
#### Useful Links

[Home](#)  
[Book Store](#)  
[Services](#)

#### Our Services

[Syllabus](#)  
[Reference Books](#)  
[Recommended Books](#)  
[Paper Solutions](#)  
[Study Material](#)





localhost/StudentGuide/menu.php?ID=1

## STUDENT GUIDE

Home About Study Guide Bookstore Notestore Contact Login/Register

### GUIDANCE

Choose the option you wish to explore...

Syllabus Reference Book Recommended Book Papers Study Material

#### STUDENT GUIDE

A108 Adam Street  
New York, NY 535022  
United States

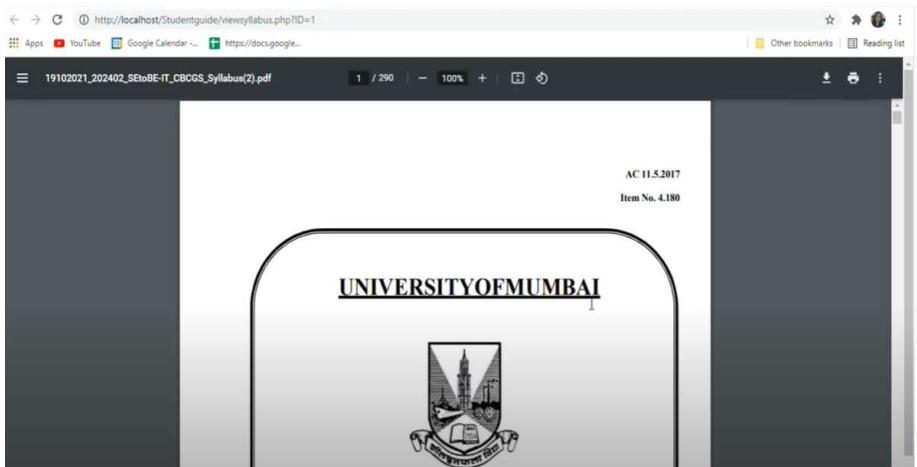
Phone: +1 5589 55488 55  
Email: info@example.com

Useful Links Our Services

> Home > Syllabus  
> Book Store > Reference Books  
> Recommended Books

Activate Windows Go to Settings to activate Windows.

28°C Haze 11:23 PM 10/20/2021



localhost/StudentGuide/reference.php?ID=1

## STUDENT GUIDE

Home About Study Guide Bookstore Notestore Contact Login/Register

Syllabus Reference Books Recommended Book Papers Study Material

Book Name: Engineering Ch...  
Author Name: Payal Joshi  
Price: 530  
[View Details](#)

Book Name: Engineering Ch...  
Author Name: Jain and Jain...  
Price: 690  
[View Details](#)

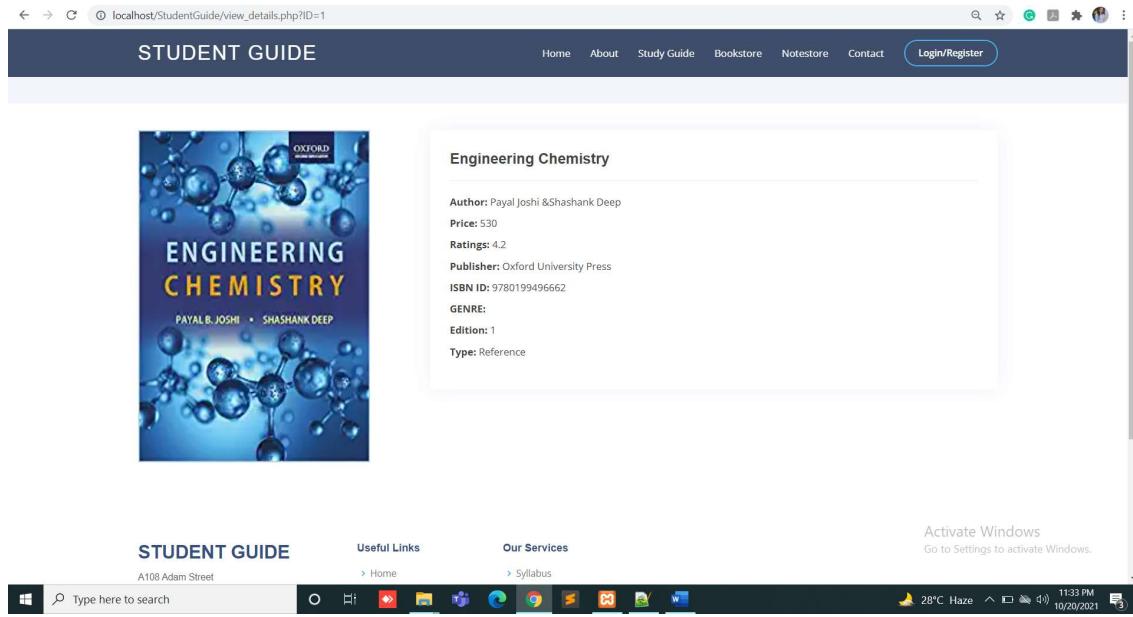
Book Name: Engineering Ch...  
Author Name: Vairam...  
Price: 518  
[View Details](#)

Book Name: Chemistry of E...  
Author Name: C. V. Agarwal, C.  
Price: 393  
[View Details](#)

Activate Windows Go to Settings to activate Windows.

localhost/StudentGuide/reference.php?ID=1<br /><b>Notice</b></p> Undefined variable: eval in <b>C:\xampp\htdocs\StudentGuide\reference.php</b> on line <b>61</b><br />

Windows Type here to search 11:24 PM 10/20/2021



## **CHAPTER 5**

## **CONCLUSION AND FUTURE SCOPE**

## **Chapter 5: Conclusion and Future Scope**

### **5.1 Conclusion**

Student guide improves the learning process, by helping students in providing all study material at one place. It will suggest them appropriate book from no. of reference books available for that subjects which will save their time in searching resources for studying. Online bookstore is also available in this application so that students can buy second-hand books at low price. We will try to analyze and implement all the aspects regarding to this topic to provide students with hassle free learning. In our system we are currently providing guidance for only students who are pursuing engineering, in future we will expand the system to cover all the possible career streams.

### **5.2 Future Scope**

- In our system we are currently providing guidance for only students who are pursuing engineering, in future we will expand the system to cover all the possible career streams.
- Approaching expert people in particular career areas can increase the preciseness of the system. Expanding the marketing of the portal will engage more users. So that they can suggest appropriate, new editions of books for reference. This will help the portal from being outdated and inaccurate for student's use. Also we will continuously keep updating the provided material to avoid student's loss.

## References

- X. Su and T. M. Khoshgoftaar, "A Survey of Collaborative Filtering Techniques", *Adv. Artif. Intell.*, 2009.
- G. Adomavicius and A. Tuzhilin, "Towards the Next Generation of Recommender Systems: A Survey of the State-of-the-Art and Possible Extensions", *IEEE Trans. Knowl. Data Eng.*, 2005.
- S. Kumar Jain and C. Rana, "Building a Book Recommender system using time based content filtering", *WSEAS Trans. Comput.*, 2012.
- G. Linden, B. Smith and J. York, "Amazon.com Recommendations: Item-to-Item Collaborative Filtering", *IEEE Internet Comput.*, 2003.
- M. S. Pera, Y. Ng and N. Conde, "Personalized Book Recommendations Created by Using Social Media Data", *Web Information Systems Engineering – WISE 2010*.
- Guy, N. Zwerdling, I. Ronen, D. Carmel and E. Uziel, "Social Media Recommendation Based on People and Tags", *Proc. of SIGIR*, 2010.
- G. Shani and A. Gunawardana, "Evaluating Recommendation Systems" in , Springer, 2011

**PAPER PUBLISHED**

# STUDENT GUIDE

Prof. Ichhanshu Jaiswal (Guide)  
Vidyalankar Institute of Technology  
ichhanshu.jaiswal@vit.edu.in

Lav Dabade  
Vidyalankar Institute of Technology  
lav.dabade@vit.edu.in

Harshala Ardekar  
Vidyalankar Institute of Technology  
harshala.ardekar@vit.edu.in

Tanvi Gangar  
Vidyalankar Institute of Technology  
tanvi.gangar@vit.edu.in

## **ABSTRACT**

In the current system students get confused about their syllabus, reference materials and previous papers as there are many options available online. Also, there is a possibility that books which are used by students becomes outdated. Thus we are providing them a guide which will make their learning easy and effective. In the proposed system, to overcome the issues faced by students we are designing an application where students can find syllabus for their course easily. Also we provide recommendation of the best book for particular subject based on students feedback. For the recommended book, the portal will also show if that book is available in our bookstore and if that book is not available in the bookstore students can checkout links given by us where they can buy that book.

We are also providing them a platform where they can buy or sell their books. Those who want to sell their books can upload details of those books and interested students can send them request for buying. Both buyer and seller will get email notification about each other's contact details so that they can communicate for further details. The main objective of the application is all students can buy the second hand books at low rates and students will get proper guidance in their learning process

## **INTRODUCTION**

Online recommendation systems are the in thing to do for many of the e-commerce websites. A recommendation system broadly recommends products to the customers that best suited to their tastes and traits. This project is like a guide for all students where in they can view syllabus, also buy and sell the books. The students can go through the syllabus, view its reference books, buy the second hand books of interest or can sell a book they don't use and also be able to see

papers.

Generally after exams student most of the student don't use their previous years books which remains at home as it is, through this portal the students can sell their books. Other students can buy these second hand books at a price lower than the new book. Also the hassle of going to several bookshops to find any particular book can be avoided. Instead of throwing old books away or giving them to scrap paper dealers , this website provides a platform to sell these books to someone who actually needs it. Also buying second hand books instead of new ones can save paper cost and reduce cutting of trees. Reference books can be costly for many of the students to afford. This portal can help them to buy those books at low prices as there will be second hand books

If a student is interested in a particular book he/she can request it to the seller. On sending a request, automatically a mail is sent to the seller quoting He/She is interested in your book. . Further the buyer and seller can connect through email..

Also the hassle of going to several bookstores to find a particular book can be avoided. Instead of throwing old books away or giving them to scrap paper dealers , this website provides a platform to sell these books to someone who actually needs it. By doing these students can get books at lower price. Also buying used books instead of new ones can save paper cost which will save many students money and reduce cutting of trees which is helpful for the environment.

## **LITERATURE SURVEY**

Below is the literature survey done about the online modes that are available for student to refer :-

Paper [1]



Application Name: Syllabus App

Rating and reviews: 3.5

Size: 4.8 MB

Downloads : 50k+

Features :

- No ads and runs smoothly.
- Easy and simple design.

Limitations:

- Technical glitch while opening Settings.
- Static application.
- Content glitch.

Paper [2]



Application Name: BE Syllabus (RGPV)

Rating and reviews: 4.0

Size: 4.1 MB

Downloads: 1k+

Features:

- Syllabus is provided in a pdf file which can be downloaded.
- It covers about 15 different branches.

Limitation:

- Syllabus is restricted only for B.E.
- Lack of user-friendly UI.
- Although being a great initiative, less downloads and usability.

Paper [3]



Application Name: B.Tech Syllabus

Rating and reviews: 3.5

Size : 4.8 MB Downloads: 10k+

Features:

- Easy and simple design
- No ads and runs smoothly

Limitations:

- Syllabus is restricted only for B.Tech
- Static Application.
- Although being a great initiative, less downloads and usability.

Paper [4]



Application Name: old.mu.ac.in

Application Type : Web Application

Features:

- Official website of Mumbai university
- Regular updating of content.

Limitations:

- Static Application.
- Does not provide book recommendation
- Created for Mumbai university syllabus only.

Paper [5]



Application Name www.unipune.ac.in

Application Type : Web Application

#### Features:

- Official website of Pune university
- Regular updating of content

#### Limitations:

- Static Application.
- Does not provide book recommendation
- Created for Pune university syllabus only.

Below is the literature survey done about the traditional system for buying and selling of books :-

- The major problem faced by the traditional system is that the student has to go physically for buying or selling book, here there are chances that at times the shop is close, or the book is not available. This lead to waste of efforts and time of a student.
- In traditional system if a student is asking his/her senior for notes/books and if the senior is asked by 3-4 students for books/notes, then this leads to conflicts and also only 1 student will receive books/notes others will have to find it from somewhere else.

### **LITERATURE SURVEY CONCLUSION**

It has been analyzed that apart from the few technical glitches, static applications, the usability of these apps is very low than usual. Being a noble work, the systems have been able to gather very less attention among people which makes it less popular.

It is required that many people come together to bring this changes and take active participation, so that the systems are able to fulfil their aim and reach out to as many needy people as it can. But, research on human psychology says that unless and until a majority of people see some outcome or benefits, don't tend to take active participation. Hence, the best possible strategy to gather public attention and increase usability of these applications would improve students learning process.

### **PROBLEM STATEMENT**

Today the amount of information in the internet growth is very rapid and people need some instruments to find and access appropriate information. As education is the most important and

necessary thing in todays world, its very important to make the students learning process easy and simple to understand. In the current system students get confused about their syllabus, reference materials and previous papers as there are many options available online. Also, there is a possibility that books which are used by students becomes outdated. This leads to improper guidance to students in their learning process and students keep following the wrong data.

### **PROPOSED SOLUTION**

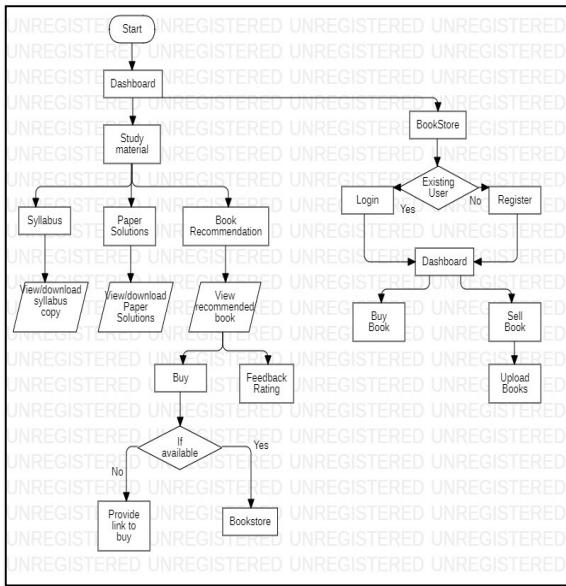
In the proposed system, to overcome the issues faced by students we are designing an application where students can find syllabus for their course easily. Also we provide recommendation of the best book for particular subject based on students feedback. For the recommended book, the portal will also show if that book is available in our bookstore and if that book is not available in the bookstore students can checkout links given by us where they can buy that book. We are also providing them a platform where they can buy or sell their books. Those who want to sell their books can upload details of those books and interested students can send them request for buying. Both buyer and seller will get email notification about each other's contact details so that they can communicate for further details.

### **OBJECTIVES AND FEATURES**

The main aim of proposed system is to improve efficiency of existing system for student guidance, the proposed system will overcome the issues faced by students, Thus we are designing an application where students can find syllabus for their course easily. Also we provide recommendation of the best book for particular subject based on students feedback. For the recommended book, the portal will also show if that book is available in our bookstore and if that book is not available in the bookstore students can checkout links given by us where they can buy that book.

We are also providing them a platform where they can buy or sell their books. Those who want to sell their books can upload details of those books and interested students can send them request for buying. Both buyer and seller will get email notification about each other's contact details so that they can communicate for further details. The main objective of the application is the needy students can buy the second hand books at low rates and students will get proper guidance in their learning process.

## BLOCK DIAGRAM



This is the block diagram which represents the working of our proposed system.

## FUTURE SCOPE

In our system we are currently providing guidance for only students who are pursuing engineering, in future we will expand the system to cover all the possible career streams. Approaching expert people in particular career areas can increase the preciseness of the system. Expanding the marketing of the portal will engage more users. So that they can suggest appropriate, new editions of books for reference. This will help the portal from being outdated and inaccurate for student's use. Also we will continuously keep updating the provided material to avoid student's loss.

## CONCLUSION

Student guide improves the learning process, by helping students in providing all study material at one place. It will suggest them appropriate book from no. of reference books available for that subjects which will save their time in searching resources for studying.

Online bookstore is also available in this application so that students can buy second-hand books at low price.

We will try to analyse and implement all the aspects regarding to this topic to provide students with hassle free learning.

## REFERENCES

1. X. Su and T. M. Khoshgoftaar, "A Survey of Collaborative Filtering Techniques", *Adv. Artif. Intell.*, 2009.
2. G. Adomavicius and A. Tuzhilin, "Towards the Next Generation of Recommender Systems: A Survey of the State-of-the-Art and Possible Extensions", *IEEE Trans. Knowl. Data Eng.*, 2005.
3. S. Kumar Jain and C. Rana, "Building a Book Recommender system using time based content filtering", *WSEAS Trans. Comput.*, 2012.
4. G. Linden, B. Smith and J. York, "Amazon.com Recommendations: Item-to-Item Collaborative Filtering", *IEEE Internet Comput.*, 2003.
5. M. S. Pera, Y. Ng and N. Conde, "Personalized Book Recommendations Created by Using Social Media Data", *Web Information Systems Engineering – WISE 2010*.
6. I. Guy, N. Zwerdling, I. Ronen, D. Carmel and E. Uziel, "Social Media Recommendation Based on People and Tags", *Proc. of SIGIR*, 2010.
7. G. Shani and A. Gunawardana, "Evaluating Recommendation Systems" in , Springer, 2011.

## AUTHOR INFORMATION

**Prof. Ichhanshu Jaiswal**, Professor, Department of Information Technology Engineering, Vidyalankar Institute of Technology, University of Mumbai.

**Lav Dabade**, Student, Department of Information Technology Engineering, Vidyalankar Institute of Technology, University of Mumbai.

**Harshala Ardekar**, Student, Department of Information Technology Engineering, Vidyalankar Institute of Technology, University of Mumbai.

**Tanvi Gangar**, Student, Department of Information Technology Engineering, Vidyalankar Institute of Technology, University of Mumbai.

## **CERTIFICATIONS**



## *International Research Journal Of Modernization in Engineering Technology and Science*

(Peer-Reviewed, Open Access, Fully Refereed International Journal)

e-ISSN: 2582-5208



Ref: IRJMETS/Certificate/Volume 4/Issue 01/40100063285

Date: 02/02/2022

### *Certificate of Publication*

*This is to certify that author “**Prof. Ichhanshu Jaiswal**” with paper ID “**IRJMETS40100063285**” has published a paper entitled “**STUDENT GUIDE**” in **International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS), Volume 4, Issue 01, January 2022***

Editor in Chief



*We Wish For Your Better Future*  
[www.irjmets.com](http://www.irjmets.com)





## International Research Journal Of Modernization in Engineering Technology and Science

(Peer-Reviewed, Open Access, Fully Refereed International Journal)



e-ISSN: 2582-5208

Ref: IRJMETS/Certificate/Volume 4/Issue 01/40100063285

Date: 02/02/2022

### Certificate of Publication

This is to certify that author "**Lav Dabade**" with paper ID "**IRJMETS40100063285**" has published a paper entitled "**STUDENT GUIDE**" in **International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS), Volume 4, Issue 01, January 2022**



Editor in Chief



We Wish For Your Better Future  
[www.irjmets.com](http://www.irjmets.com)





## *International Research Journal Of Modernization in Engineering Technology and Science*

(Peer-Reviewed, Open Access, Fully Refereed International Journal)

e-ISSN: 2582-5208

Ref: IRJMETS/Certificate/Volume 4/Issue 01/40100063285

Date: 02/02/2022

### *Certificate of Publication*

*This is to certify that author “**Harshala Ardekar**” with paper ID “**IRJMETS40100063285**” has published a paper entitled “**STUDENT GUIDE**” in **International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS), Volume 4, Issue 01, January 2022***

*A. Deekal*

Editor in Chief



*We Wish For Your Better Future*  
[www.Irjmets.com](http://www.Irjmets.com)





## *International Research Journal Of Modernization in Engineering Technology and Science*

(Peer-Reviewed, Open Access, Fully Refereed International Journal)

e-ISSN: 2582-5208

Ref: IRJMETS/Certificate/Volume 4/Issue 01/40100063285

Date: 02/02/2022

### *Certificate of Publication*

*This is to certify that author “**Tanvi Gangar**” with paper ID “**IRJMETS40100063285**” has published a paper entitled “**STUDENT GUIDE**” in International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS), Volume 4, Issue 01, January 2022*

Editor in Chief



We Wish For Your Better Future  
[www.irjmets.com](http://www.irjmets.com)

