

Project Title : **TIMETABLE MANAGEMENT SYSTEM**

(Summer internship M.Sc.(CA & IT))

Submitted By :

Student Name : Roll no.

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2. Nikul Rathod : 4145
3. Henil Shah : 4151
4. Dharmrajsinh Jadeja :4187
5. Arya Patel : 4279

Group ID :- **G-5**

Submitted To

K. S. School of Business Management

M.Sc. - Computer Applications and Information Technology.



K.S. SCHOOL OF BUSINESS MANAGEMENT M.Sc.(CA & IT)

Company Certificate

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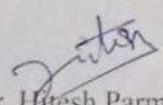
GUJARAT UNIVERSITY
NAV RANG PURA,
AHMEDABAD - 380009,
(INDIA)

DATE : 23th Aug, 2022

REF. NO. :

CERTIFICATE

This is to certify that **Rasheda Mohmad Yunus Shaikh - 4068** has successfully completed Summer Internship Programme (SIP) on **Time Table management system** for K. S. School of Business Management & Information Technology. This work is original and has not been submitted elsewhere.


Mr. Hitesh Parmar

Coordinator M.Sc (CA & IT)

CO-ORDINATOR ~
M.Sc(CA & IT) PROGRAMME

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(INDIA)

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This is to certify that **Nikul Shankarbhai Rathod - 4145** has successfully completed Summer Internship Programme (SIP) on **Time Table management system** for K. S. School of Business Management & Information Technology. This work is original and has not been submitted elsewhere.

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(INDIA)

DATE : 23th Aug, 2022

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CERTIFICATE

This is to certify that **Henil Bhadreshbhai Shah - 4151** has successfully completed Summer Internship Programme (SIP) on **Time Table management system** for K. S. School of Business Management & Information Technology. This work is original and has not been submitted elsewhere.

Mr. Ditesh Parmar

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CO-ORDINATOR
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REF. NO. :

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This is to certify that **Dharmrajsinh Ghanshyamsinh Jadeja - 4187** has successfully completed Summer Internship Programme (SIP) on **Time Table management system** for K. S. School of Business Management & Information Technology. This work is original and has not been submitted elsewhere.

A handwritten signature in black ink, appearing to read "Hitesh".

Mr. Hitesh Parmar

Coordinator M.Sc (CA & IT)

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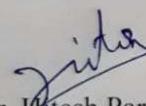
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REF. NO. :

CERTIFICATE

This is to certify that **Arya Patel - 4279** has successfully completed Summer Internship Programme (SIP) on **Time Table management system** for K. S. School of Business Management & Information Technology. This work is original and has not been submitted elsewhere.


Mr. Hitesh Parmar

Coordinator M.Sc (CA & IT)

CO-ORDINATOR
M.Sc.(C.A. & I.T.) PROGRAMME

Acknowledgement

The success and final outcome of this project required a lot of guidance and assistance from many people and we are extremely fortunate to have got this all for our project work. Whatever we have done is only due to such guidance and assistance and we would not forget to thank them.

We respect and thankful to K. S. School Of Business Management, for giving us an opportunity to do the project work and providing us all support and guidance which made us completes the project on time. We are extremely grateful to project guide for providing such a nice support and guidance though she had busy schedule.

We would like to express our gratitude towards Course coordinator Department and our project mentor for their kind co-operation and encouragement, which helped us in this project.

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Chapter :-1 Introduction

This project is a web-based system for Timetable management system. Many schools and colleges are facing the problem of making timetable manually. So, it requires more time and efficiency. Thus, a timetable management system helps make it simpler to create timetables and schedule plans as per the college resources. This system is a great help for those who have several tasks at hand and creating a timetable on paper sounds like a tedious task, or if they need a timetable at hand whenever they want. So, this system helps to generate automated timetable making.

1.1 ORGANIZATION PROFILE :



COLLEGE NAME:-	K. S. SCHOOL OF BUSINESS MANAGEMENT
ADDRESS:-	K. S. SCHOOL OF BUSINESS MANAGEMENT GUJARAT UNIVERSITY CAMPUS, AHMEDABAD, GUJARAT-380009.
EMAIL ID:-	ksschool31@yahoo.co.in
CONTACT NO:-	+ (079) 26305972
ORGANIZATION WEBSITE:-	YES

1.2 SYSTEM DETAILS:

1.2.1 EXISTING SYSTEM:

A college have online website but don't have any automated system for making timetable. They make timetable manually post the pdf of their timetable on the college website. Thus, they are facing some problems of this existing system like:

- As we discussed earlier that manual maintenance of a Time Table Management System is a tedious job.
- Manual maintenance of databases of items, time table processing is a time taking process.
- It is very complex thing to making timetable manually.
- Sometimes human errors are there.

1.2.2 PROPOSED SYSTEM:

In the Proposed system we providing facility of generation of automated timetable for the college. Thus "Timetable Management system" is aim an automated system which generates timetable according to the data given by the admin. The system requires to enter all the details about subjects, timing of labs, total no. of period, workload of the faculty etc. Then the application will generate the timetable according to your requirements.

1.3 SCOPE OF THE SYSTEM:-

This system helps students to find proper timetable with the accuracy and faculty is clear about their time table if there is any change in the timetable, they update the timetable. Our aim is to avoid miscommunication between student and faculty regarding timetable.

- This system is limited to the college.
- Faculty and admin can create/update the timetable.
- Student only view the timetable.
- Lab operator has only privilege to view the timetable.
- Faculty can view class wise timetable and faculty time table.

1.4 OBJECTIVES:-

1. Convenience:

The most obvious and most potent reason behind having a timetable management system is convenience. Instead of creating a timetable on paper that can get lost or misplaced, and the creation which is time-consuming, a timetable maker makes the whole process convenient for the students and faculties.

2. Saves Time:

One of the main complaints about creating a timetable is that it takes a lot of time to prepare. This is because they have to create a format for the same and then fit all the subjects/activities for the same on it. So, this system helps to create pre drafted timetable and admin/faculty can easily create/edit it.

3. Enables Easier Work Distribution for Teachers:

With the help of the timetable, the co-ordinator can keep track of the workload assigned to each teacher working under them. It effectively gives a summary of the work given to them. The co-ordinator will get to know, at a glance, the amount of work that every teacher is supposed to do hence avoiding the allotment of too much or too little work to one teacher.

4. Helps Allocate Adequate Time for Different Subjects:

The timetable offers space for emphasis on subjects and activities in the college as per their relative difficulty or importance. This is essential for the all-around development of the pupils. This ensures that while the more important activities and subjects get more attention and time, the less important ones are not neglected at all.

5. Easily change in the timetable:

A well-planned timetable indicates what kind of curricular and co-curricular activities are being conducted in school at a particular time and place. It also shows which teacher will be taking the class or who is presiding over the activities as they are being conducted.

6. Helps Plan out the Day/Month/Year:

In the short term, creating a timetable is one of the best ways to plan out lessons for students and help them plan out their day effectively. However, the use of timetables does not stop here. Timetables are used by teachers and administrators too. Teachers use timetables to make sure they know which class to go to after each one, while administrators use timetables to make sure that every activity in the school is taking place as planned.

Chapter:-2 Proposed System Requirement Gathering

Every Software project goes through a phase called Requirements Gathering. A successful project begins with a difficult set of discussions on what should be done. It's the major responsibility of IT Business Analyst to gather the Requirements from the clients. Getting the correct requirements from the client can often be one of the biggest hurdles in any software project. If Business Analyst gathers correct and complete requirements, the projects will yield richer crops.

2.1 STAKEHOLDERS OF THE SYSTEM:-

1. ADMIN:-

- Admin can **make the timetable** according to year wise and available class and lab resources.
- Admin can **modify the timetable** according to extra-curricular like seminar or day celebration or the leave of faculty and arrange proxy lecture.
- Admin can **distribute the subject** to the faculty and load timetable year wise.
- Admin **can manage the workload** of the faculty.
- Admin **avoid conflict of the faculty** by assigning one lecture at the time.
- Admin **can make a Timetable pre drafted timetable**.
- Admin **can upload the Timetable**.
- Admin **can download the Timetable** in Pdf format.

2. Faculty:

- Faculty can **check subject, view subject distribution and also check year wise details**.
- Faculty **can view own and full timetable and also class and year wise timetable**.
- Faculty **can edit/update the Timetable** and arrange the extra lectures.
- Faculty **can make a Timetable pre drafted timetable**.
- Faculty **can download/upload the Timetable** in Pdf format.
- Faculty **can view their workload**.
- Faculty **can check conflict of lecture**.

3. Student:

- Students **can view the timetable** (Regular lectures, lab, extra lectures).
- Students **can download the timetable** in Pdf format.

4. Lab Operator:

- Lab operator **can view and download** the timetable in Pdf format.

2.2 REQUIREMENT GATHERING TECHNIQUE USED:-

Requirement Gathering Technique is critical to necessary facts to build the require database application. These facts are capture by using fact-finding techniques.

⇒ Observation :-

The observation is the best technique to detect the problems and make solutions.
For Timetable management system college facing following problems:

❖ Takes lots of time:

When you are creating timetable manually then it takes lot of time and effort for creating the timetable.

❖ Mismanagement:

If timetable contains any human error, then it may lead to mismanagement.

❖ Increase Workload:

For making non-auto generated timetable it increases the workload of the person who make the timetable.

❖ Takes more time to update timetable:

For manual timetable creation it takes more time to update the timetable. Sometimes it become hectic for student and faculty.

❖ Decrease productivity:

Manual timetable decreases productivity of the person because it gives more stress.

2.3 CONSOLIDATED LIST OF REQUIREMENTS:-

- System must be user friendly.
- System must be interactive.
- System should have security.
- System must provide Real time updates.
- It should be easily customizable.
- It should be considered college regulations.

2.4 PROJECT DEFINITION:-

"Timetable Management system" is provide an interactive and user-friendly environment which aim an automated system which generates timetable according to the data given by the admin. The system requires to enter all the details about subjects, timing of labs, total no. of period, workload of the faculty etc. Then the application will generate the timetable according to your requirements.

Chapter:- 3 System Management and Planning

Developing any system for achieving the purposes the first step is analysis, planning according to requirement which we gathered from various sources and using different techniques in system management and planning following thing is included:

3.1 FEASIBILITY STUDY :-

The main aim of the feasibility study is to determine that it would be financially and technically feasible to develop the System. The purpose of feasibility study is not to solve the problem, but to determine whether the problem is worth solving.

3.1.1 TECHNICAL STUDY:-

The Technical Feasibility study compares the level of technology available in the software development firm and the level of technology required for the development of the product. Here the level of technology consists of the programming language, the hardware resources, other software tools etc. Internet is required to the system.

In Our System Technical Feasibility Is Ensured in The Following Factors:

- Availability of Servers of the JAVA.
- One of The Most Effective Quality Assurance Mechanisms Can Be Applied from The Inception of a Project with This.
- The Hierarchy of Technical work within the Software Process is Activities, Economizing Actions Populated by task
- The facility to produce output in given time.
- Response time under certain condition.
- A valid verified user ID is required to faculty and admin of the system.
- It just requires windows operating system and normal browser to use our system.
- No extra ordinary gadgets are requiring for our system.

3.1.2 ECONOMICAL STUDY:-

The Economic Feasibility Studies Evaluate the cost of the software development against the ultimate income or benefits gets from the developed system.

There must be scopes for profit after the successful Completion of the project.

- Our system is not much costly to develop.
- It is easy to understand therefor there is no need to appoint any operator to use the system.
- Organization is ready to invest in proposed system because it is being developed in latest Technology and will be very fast for the users to transfer or share the information using the system.
- Additional Investment is not needed in developing tools because of JAVA language.

3.1.3 OPERATIONAL STUDY:-

Operational Feasibility is a Measure of how we will propose system solves the problems, and takes advantage of the opportunities identified during scope of definition and how it satisfies the requirements identified in the requirements analysis phase of system development. It is checked that The Systems Actually Can Be Useful When Implemented.

=> Our System Is Operationally Feasible in The Following Ways:

- Our System is very easy to use without any training.
- Easy to Operate.
- Our system having common language So Learners Can Easily Understand the System, So It Provides Ease of Access.

3.2 HARDWARE – SOFTWARE REQUIRMENT:-

❖ HARDWARE REQUIREMENT:-

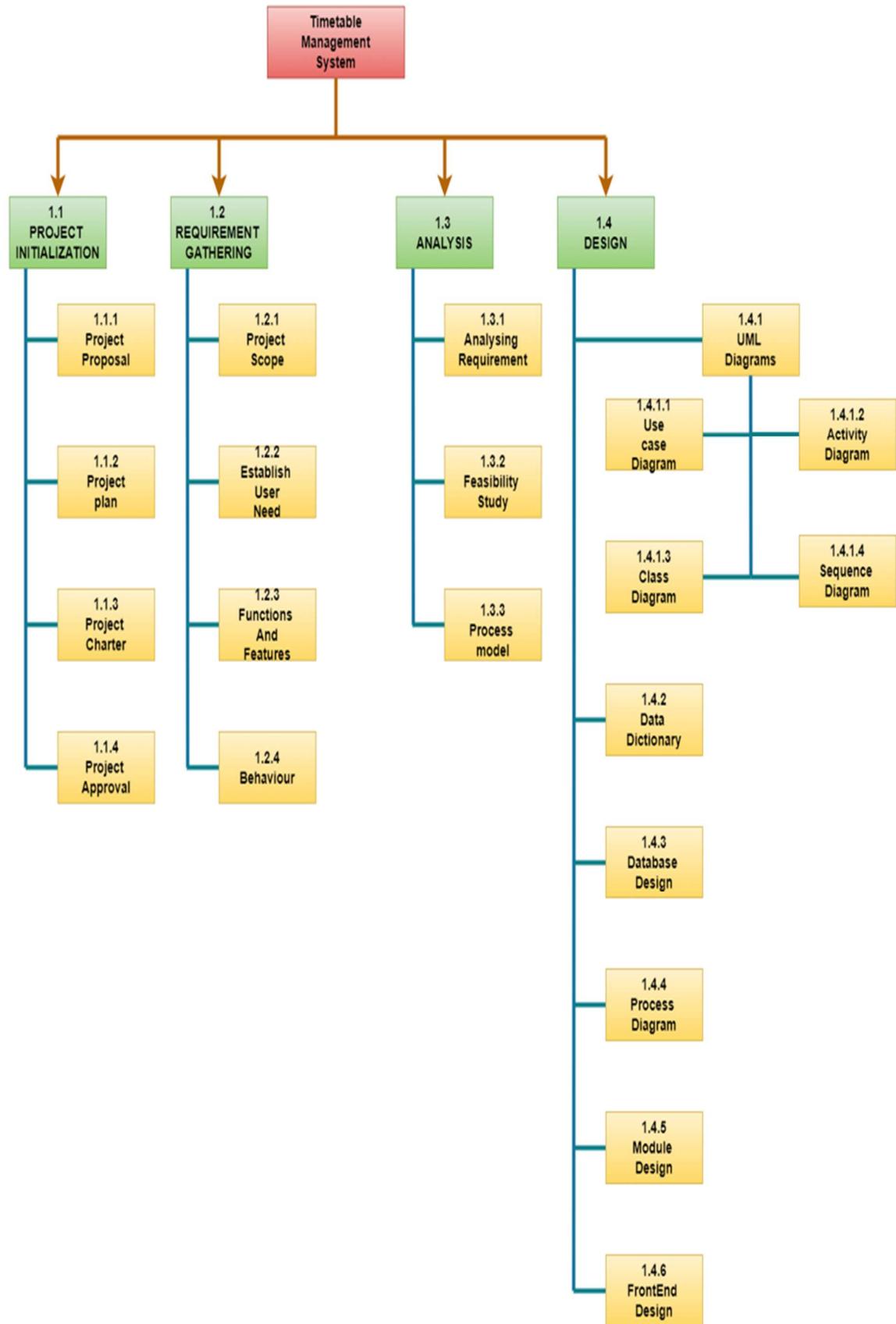
PROCESSOR	QUAD CORE OR HIGHER
HARD-DISK	Minimum 500 GB
RAM	Minimum 2 GB

❖ SOFTWARE REQUIREMENT:-

FRONTEND	<ul style="list-style-type: none">HTMLCSSJAVASCRIPTBOOTSTRAP
BACKEND	<ul style="list-style-type: none">JAVA
DATABASE	<ul style="list-style-type: none">MYSQL
OPERATING SYSTEM	<ul style="list-style-type: none">WINDOWS 7 OR MORE
TOOLS	<ul style="list-style-type: none">Eclipse
BROWSER	<ul style="list-style-type: none">CHROME

3.3 SYSTEM PLANNING :-

3.3.1 WORK BREAKDOWN STRUCTURE:-



3.3.2 GANTT CHART:-

Gantt charts are useful for planning and scheduling projects. They help you assess how long a project should take. Determine the resources needed and plan the order in which you will complete tasks. They are also helpful for managing the dependencies between tasks.

Activities	June	July
Project scope		
Research		
Requirement gathering		
Analysis		
Design		
Coding		

3.4 PROCESS MODEL:-

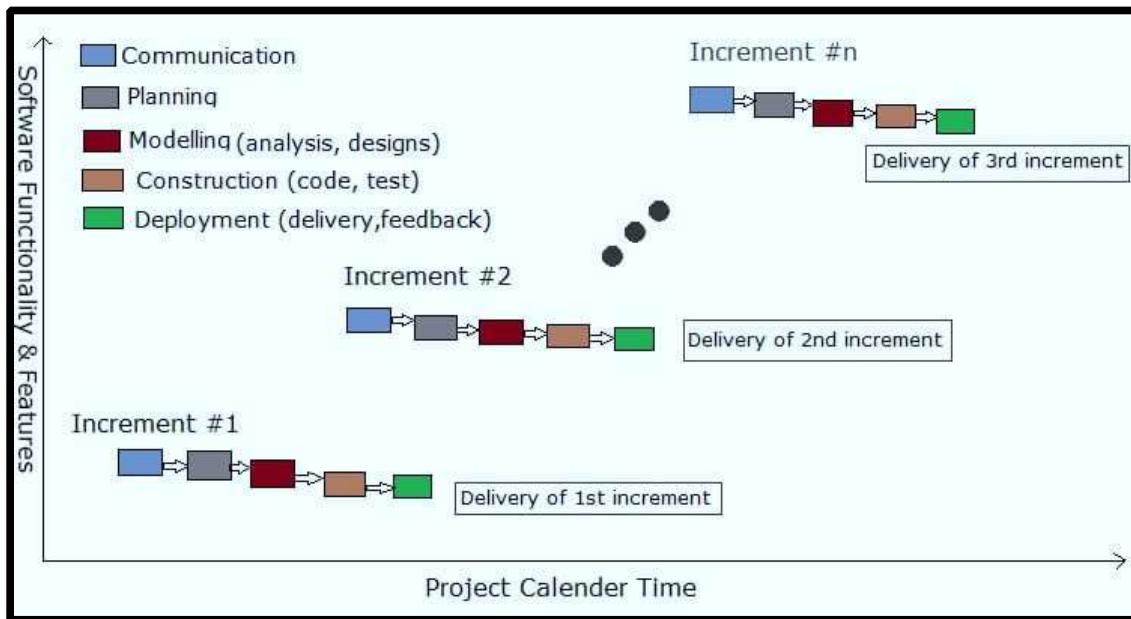
As new requirements can arise in future incremental models are used. With the help of it we can fulfil maximum user requirements. In every increment the needs of the client are kept in mind and more features and functions are added. These increments Form a base for customers evaluation. Many features can be added after the development of the system that serves the main purpose. If there is less number of employees to work on the project Incremental Development model is very useful to complete the project before the deadline.

➡ INCREMENTAL MODEL:

Incremental Model in software engineering is a one which combines the elements of waterfall model which are then applied in an iterative manner. It basically delivers a series of releases called increments which provide progressively more functionality for the client as each increment is delivered.

In Incremental Model of software engineering, waterfall model is repeatedly applied in each increment. The incremental model applies linear sequences in a required pattern as calendar time passes. Each linear sequence produces an increment in the work.

The first increment is often a core product where the basic requirements are addressed and the supplementary features are added in the next increments. The core product is used & evaluated by the client. Once the core product is evaluated by the client there is plan development for the next increment. Thus, in every increment the needs of the client are kept in mind & more features and functions are added and the core product is updated. This process continues till the complete product is produced.



The increments earlier to the main increment are called as "stripped down" versions of the final product. These increments form a base for customer evaluation. On this basis client can suggest new requirements if required.

→ ADVANTAGES OF INCREMENTAL MODEL :

- Initial product delivery is faster.
- Lower initial delivery cost.
- Core product is developed first i.e., main functionality is added in the first increment.
- After each iteration, regression testing should be conducted. During this testing, faulty elements of the software can be quickly identified because few changes are made within any single iteration.
- It is generally easier to test and debug than other methods of software development because relatively smaller changes are made during each iteration. This allows for more targeted and rigorous testing of each element within the overall product.
- With each release a new feature is added to the product.
- Customer can respond to feature and review the product.
- Risk of changing requirement is reduced.
- Work load is less.

➡ DISADVANTAGES OF INCREMENTAL MODEL:-

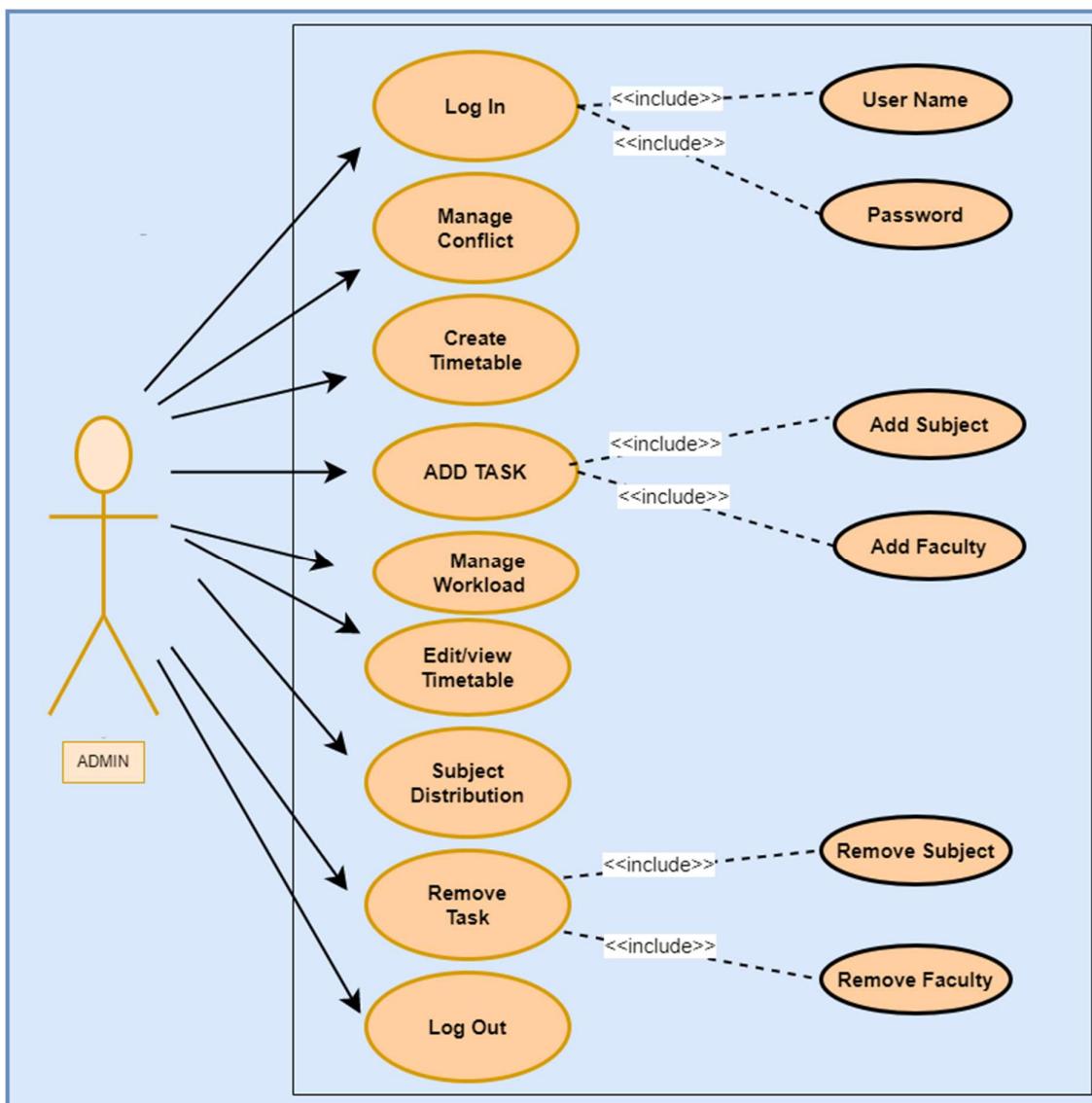
- Requires good analysis.
- Resulting cost may exceed the cost of the organization
- Each phase of an iteration is rigid and do not overlap each other.
- As additional functionality is added to the product, problems may arise related to system architecture which were not evident in earlier Prototypes.

Chapter:- 4 System Analysis And Design

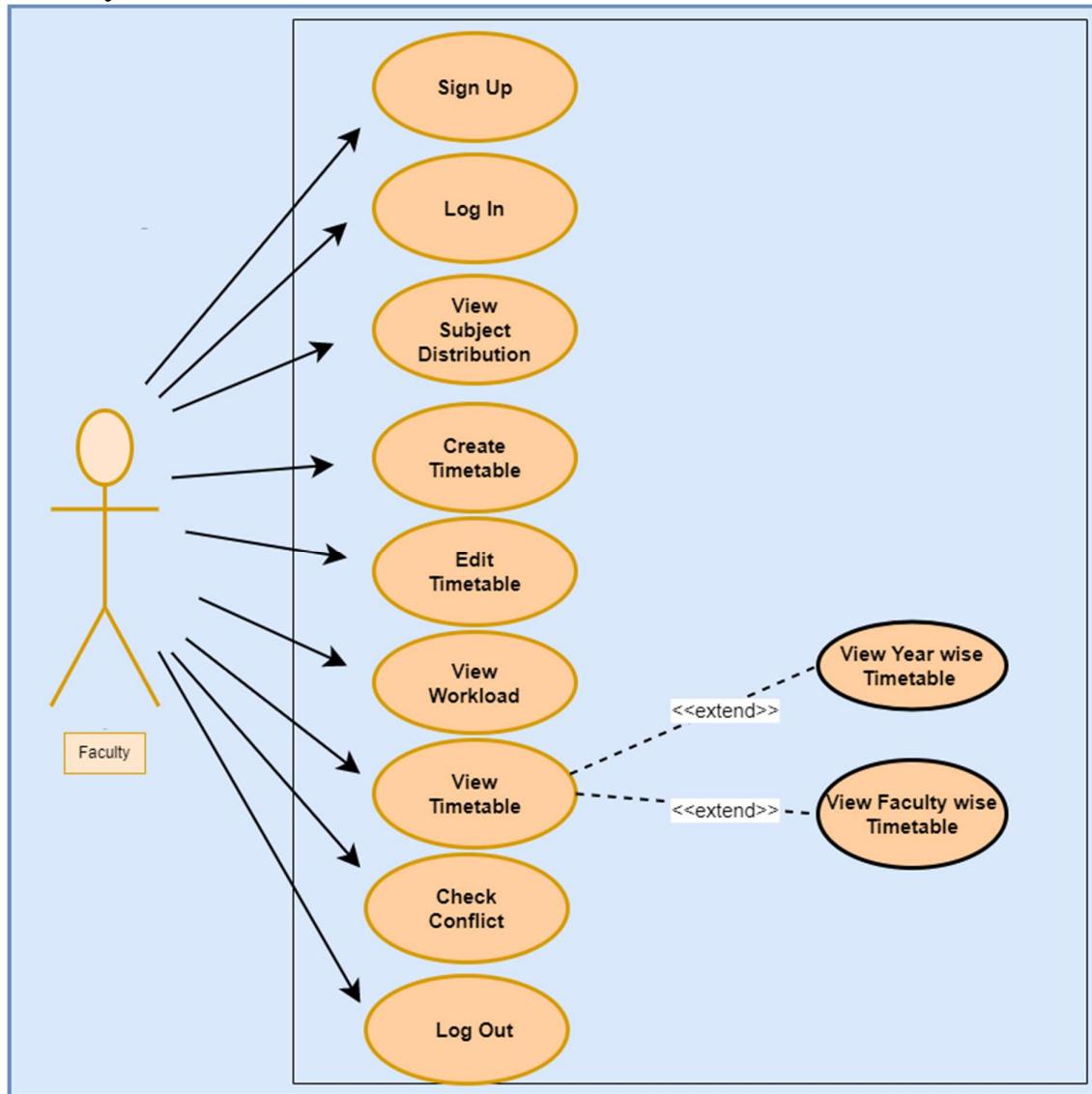
4.1 UML (Unified Modeling Language) :-

1) Use Case Diagram:-

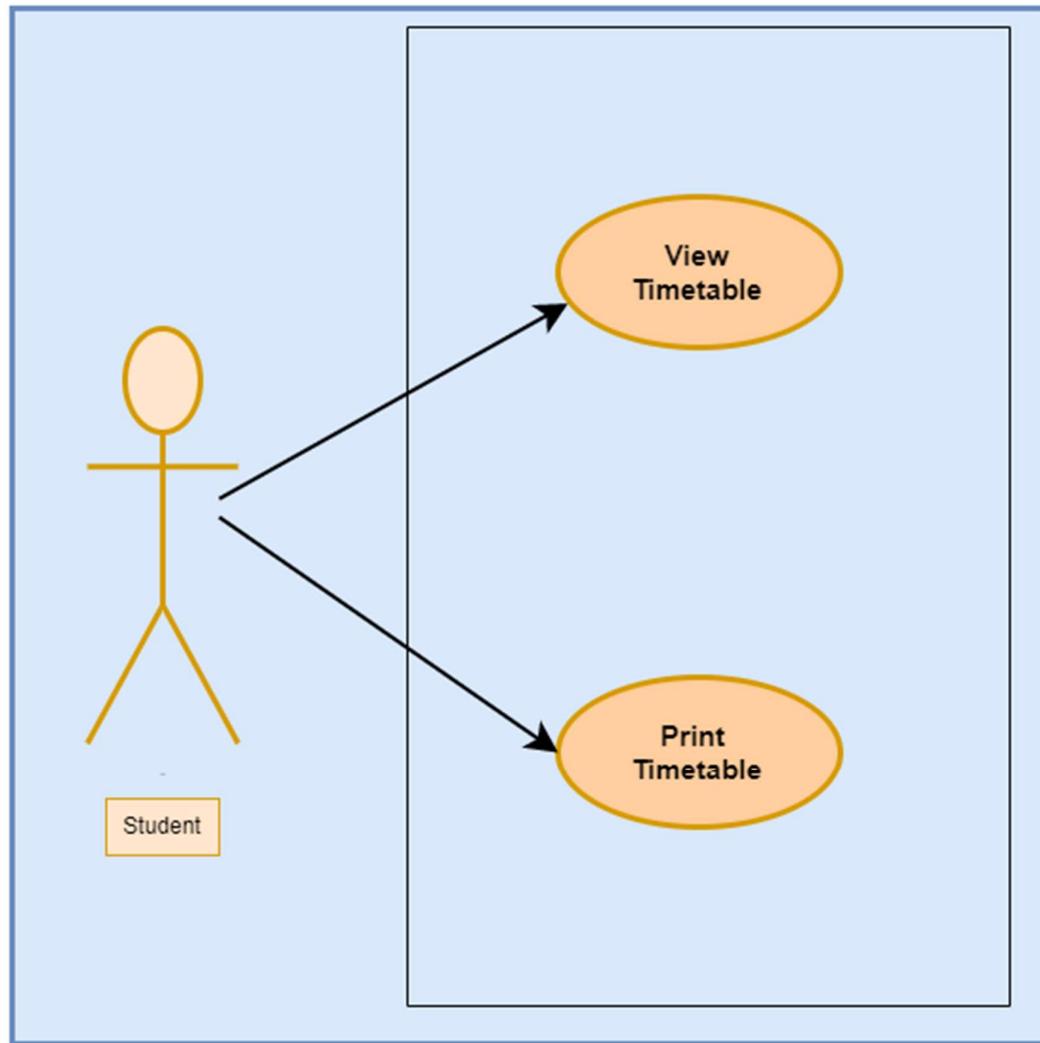
⇒ Admin



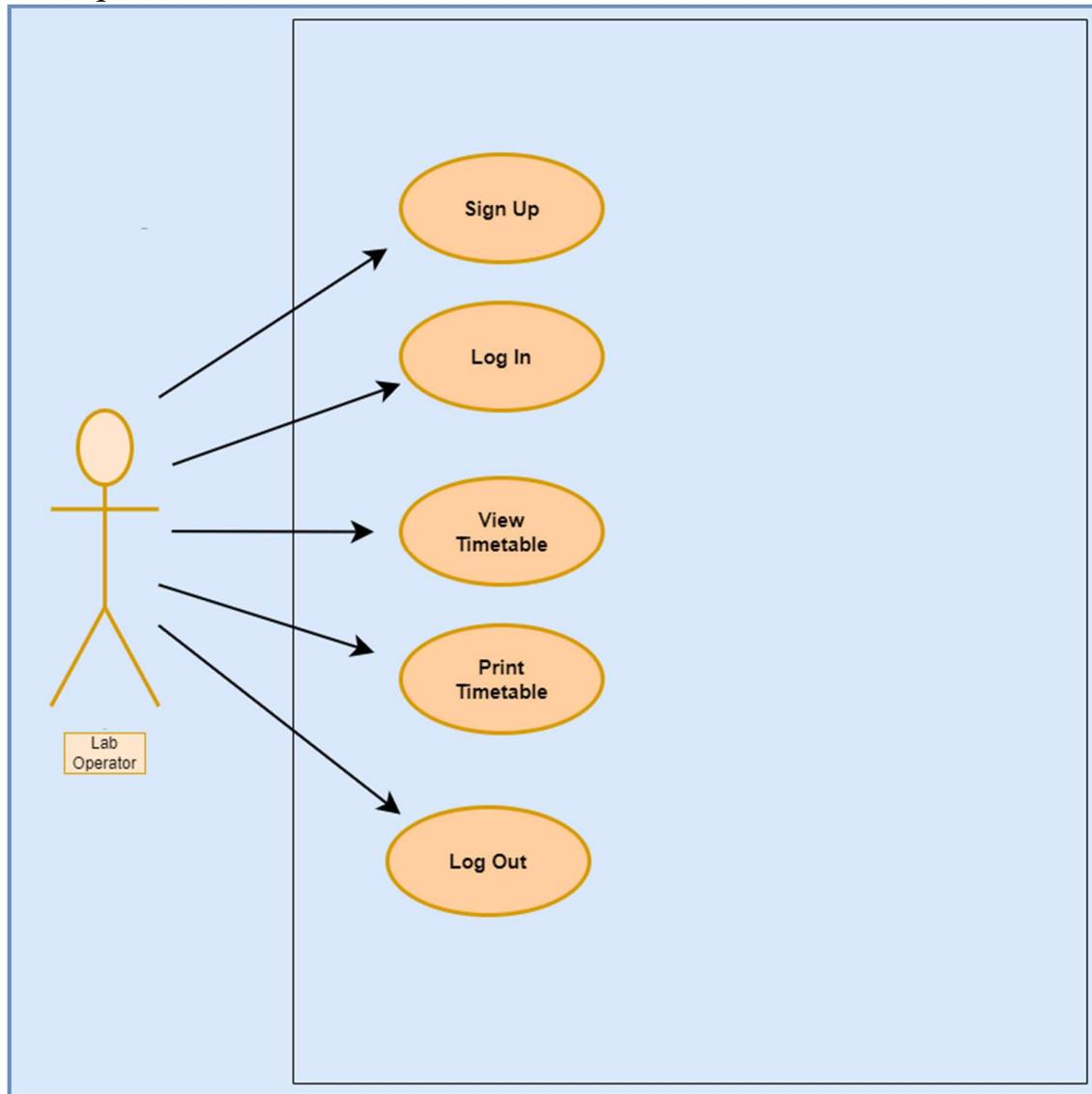
⇒ Faculty



⇒ Student

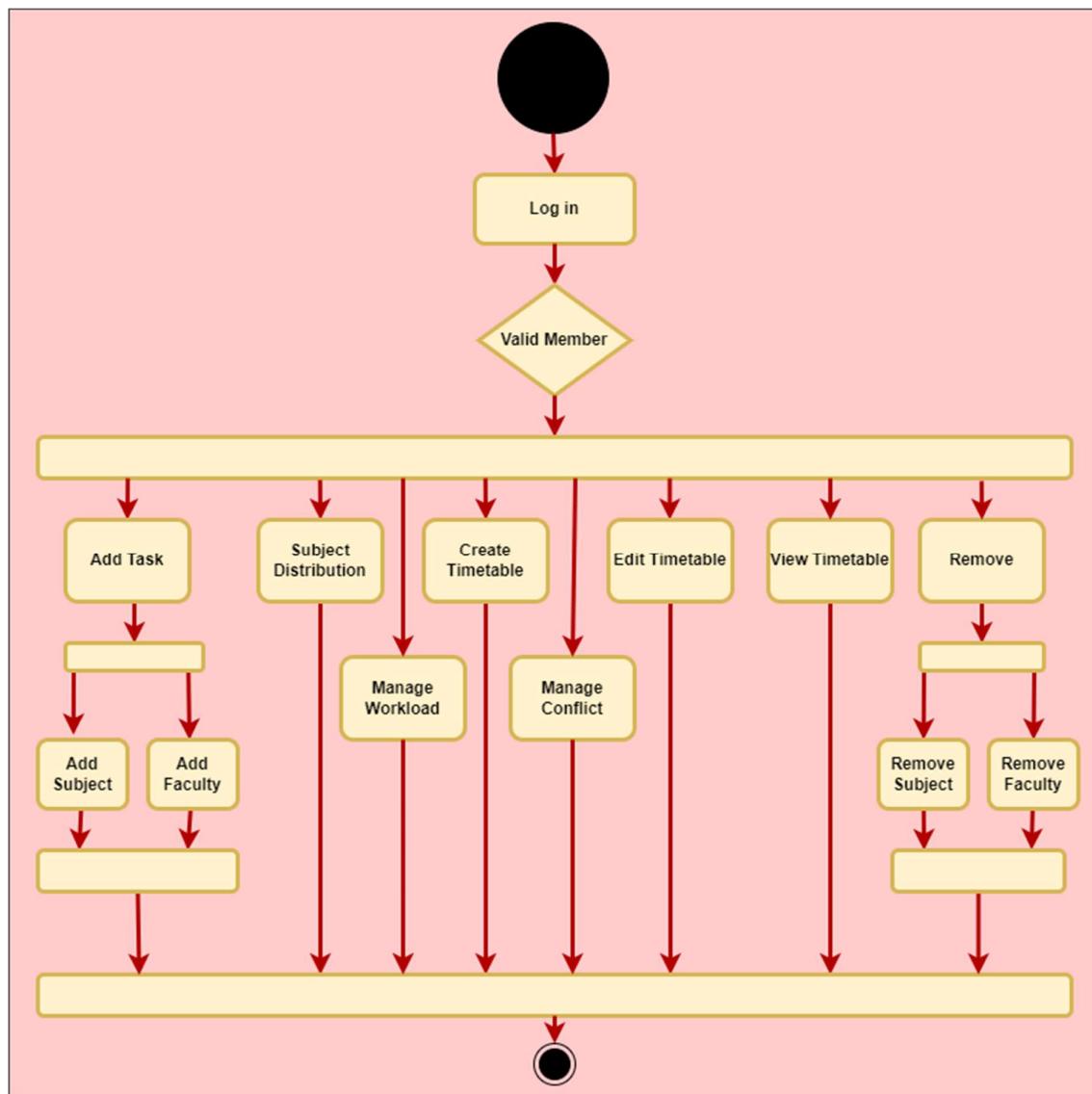


⇒ Lab operator

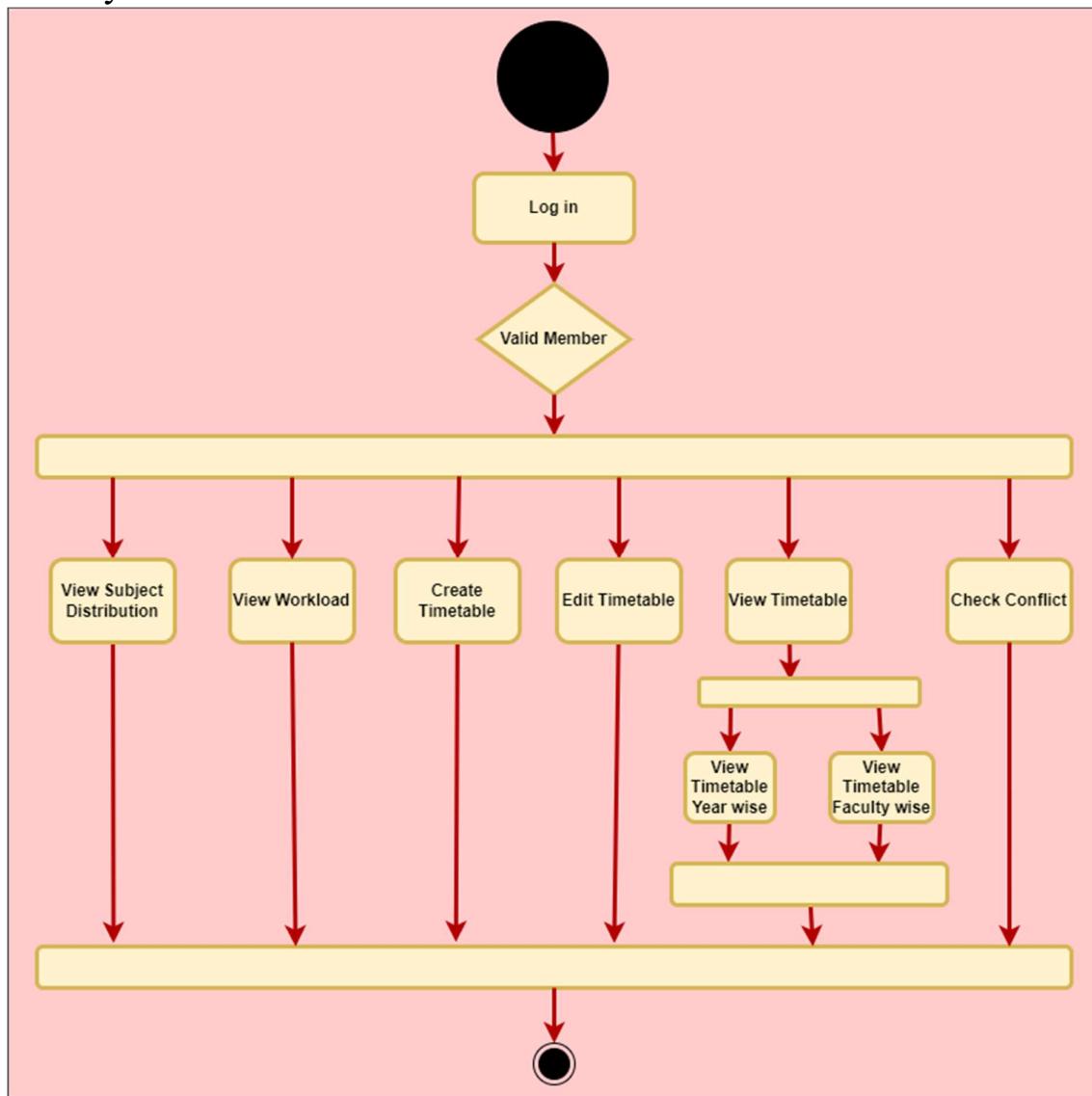


2) Activity Diagram:-

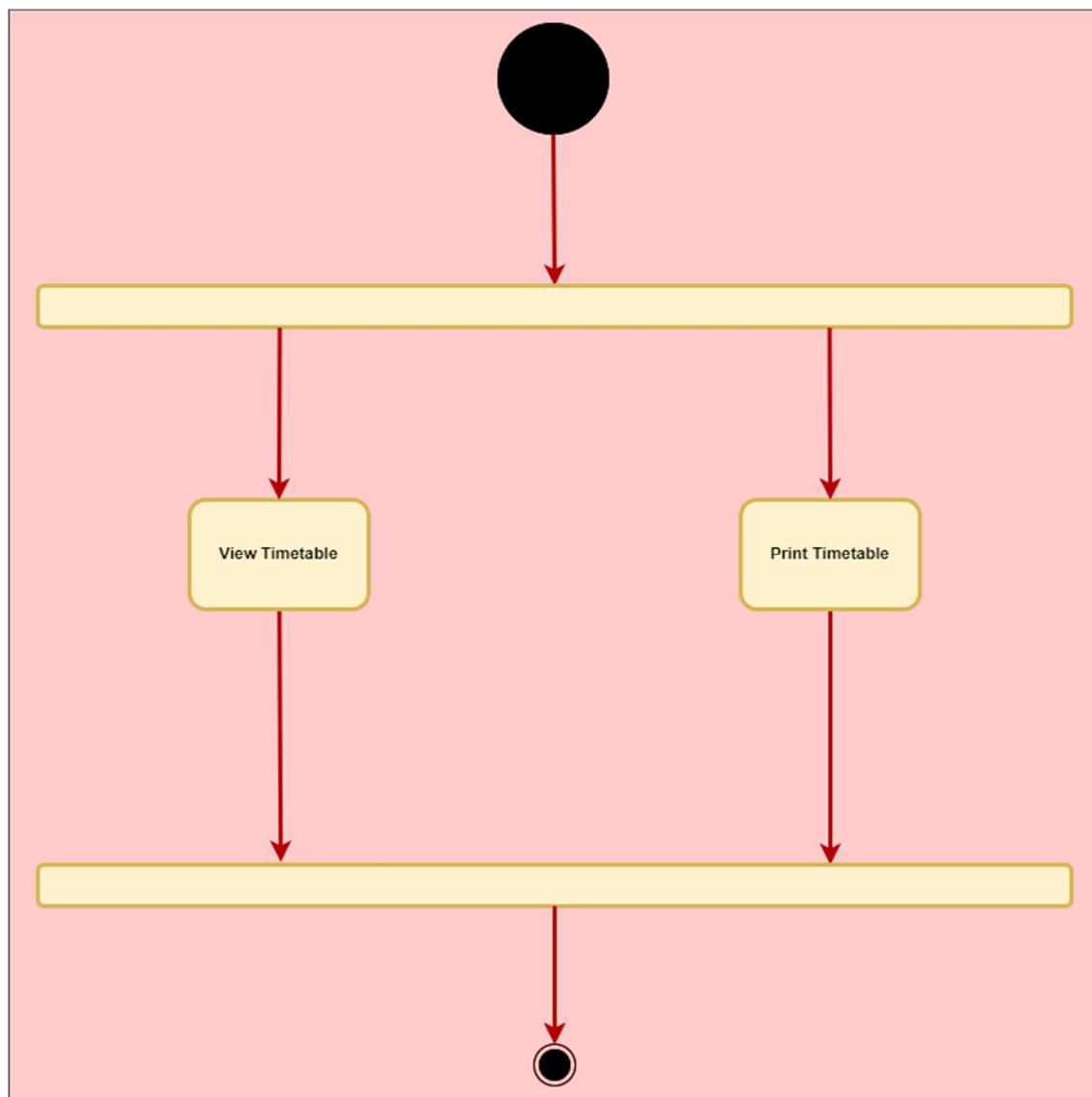
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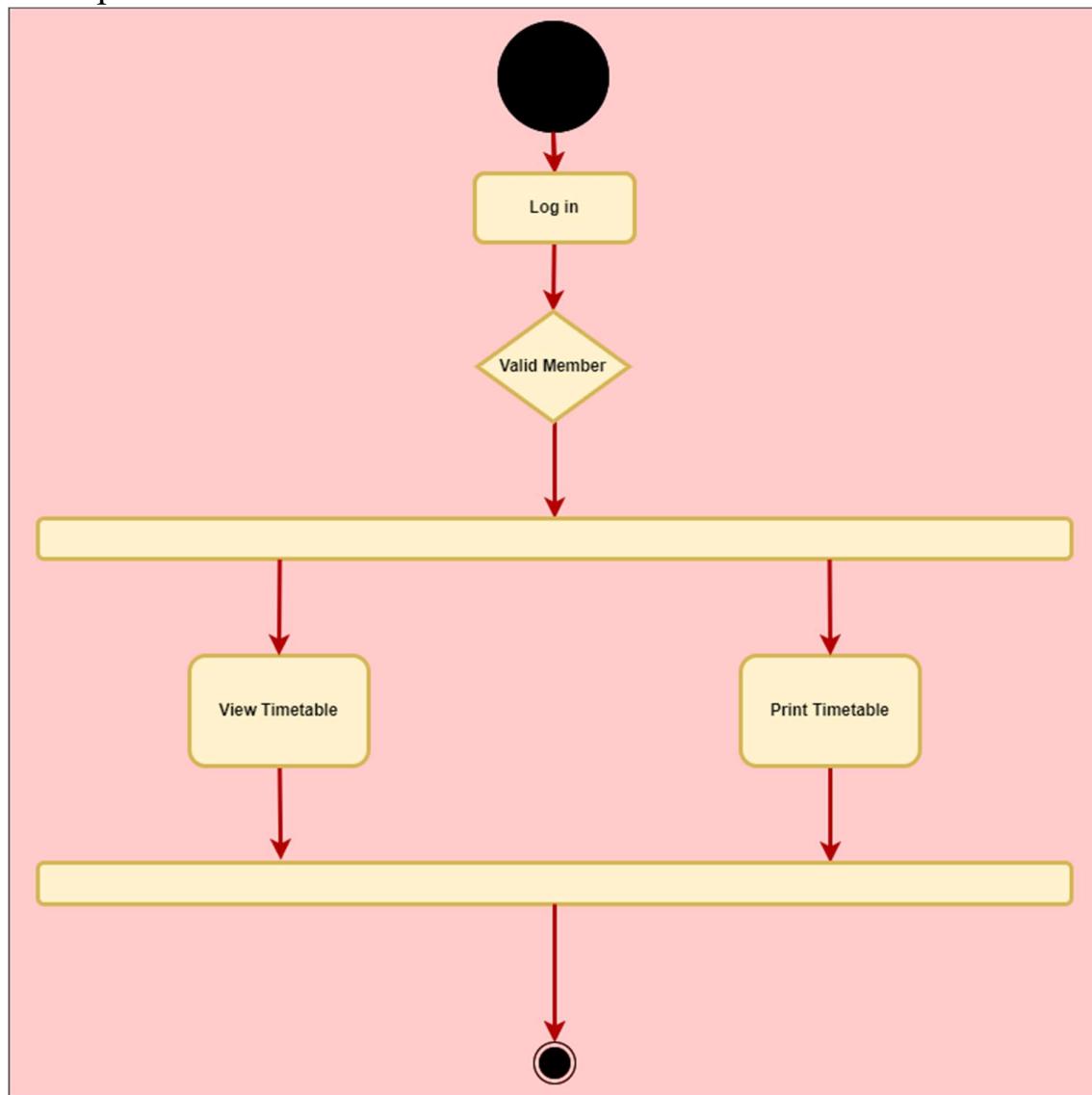
⇒ Faculty



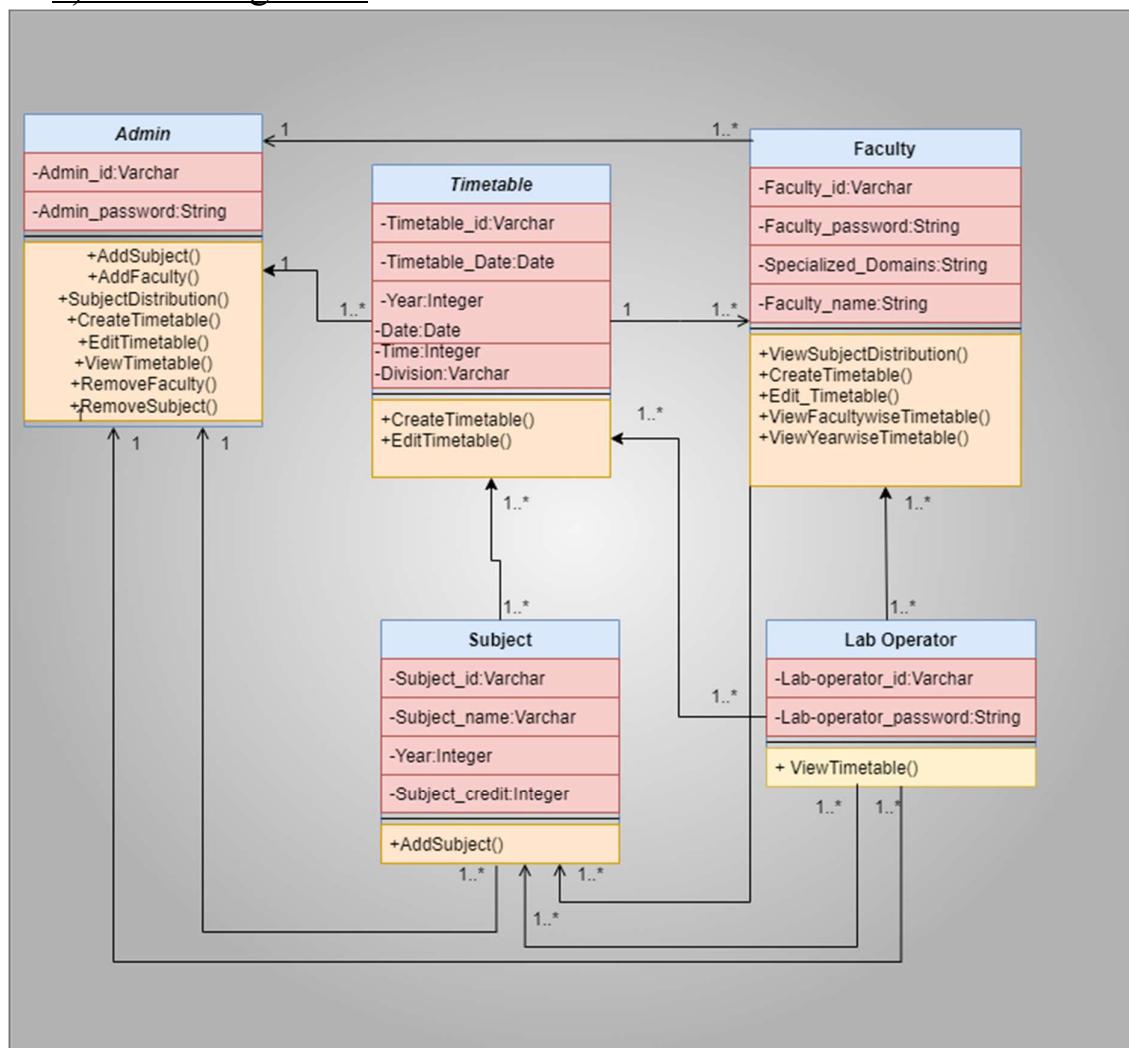
⇒ Student



⇒ Lab operator

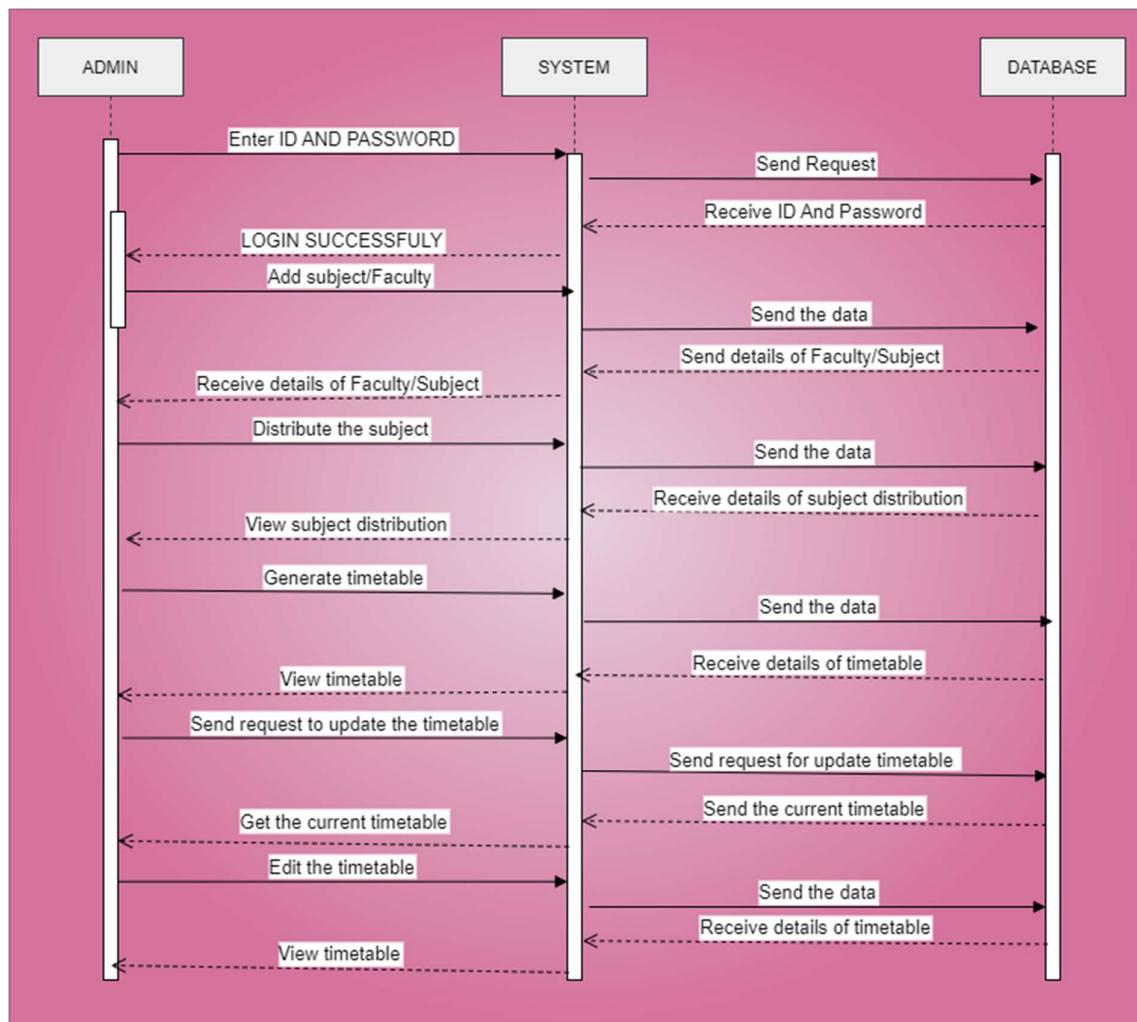


3) Class Diagram :-

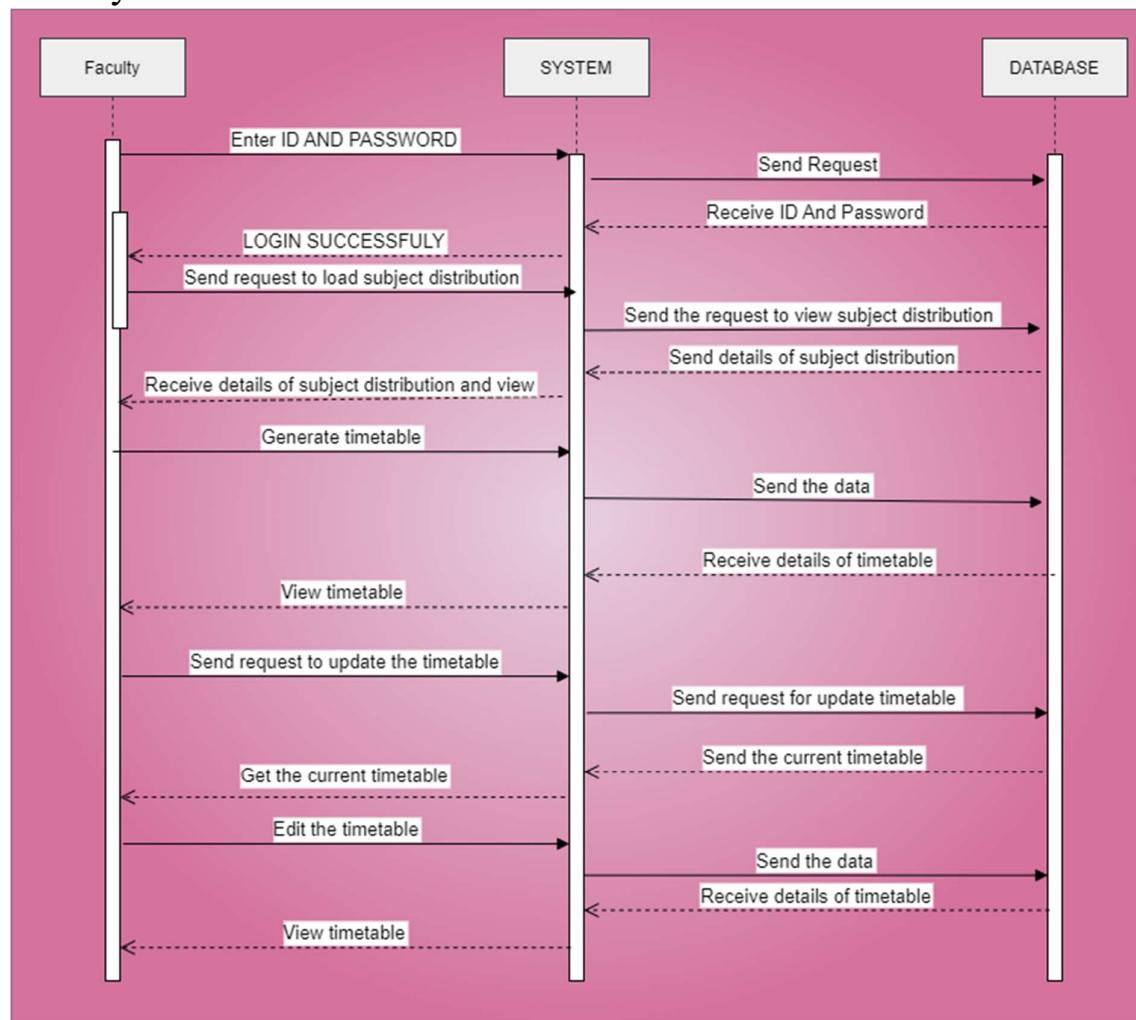


4) Sequence Diagram :-

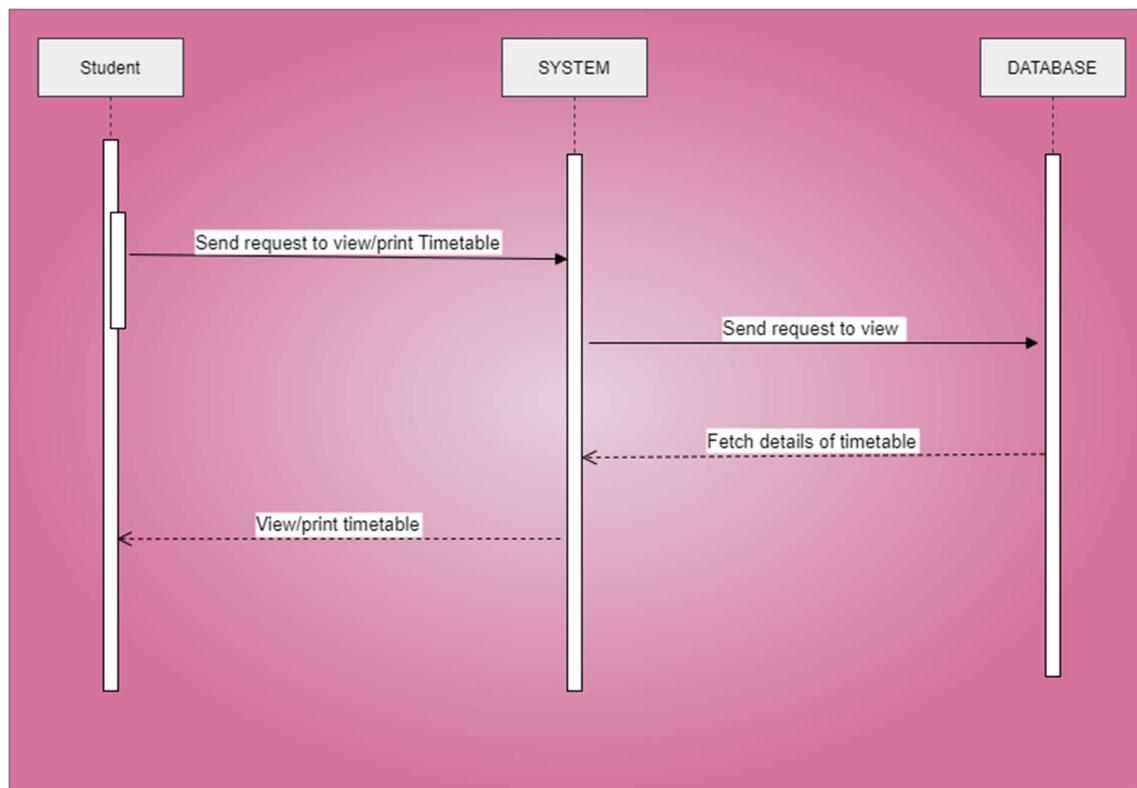
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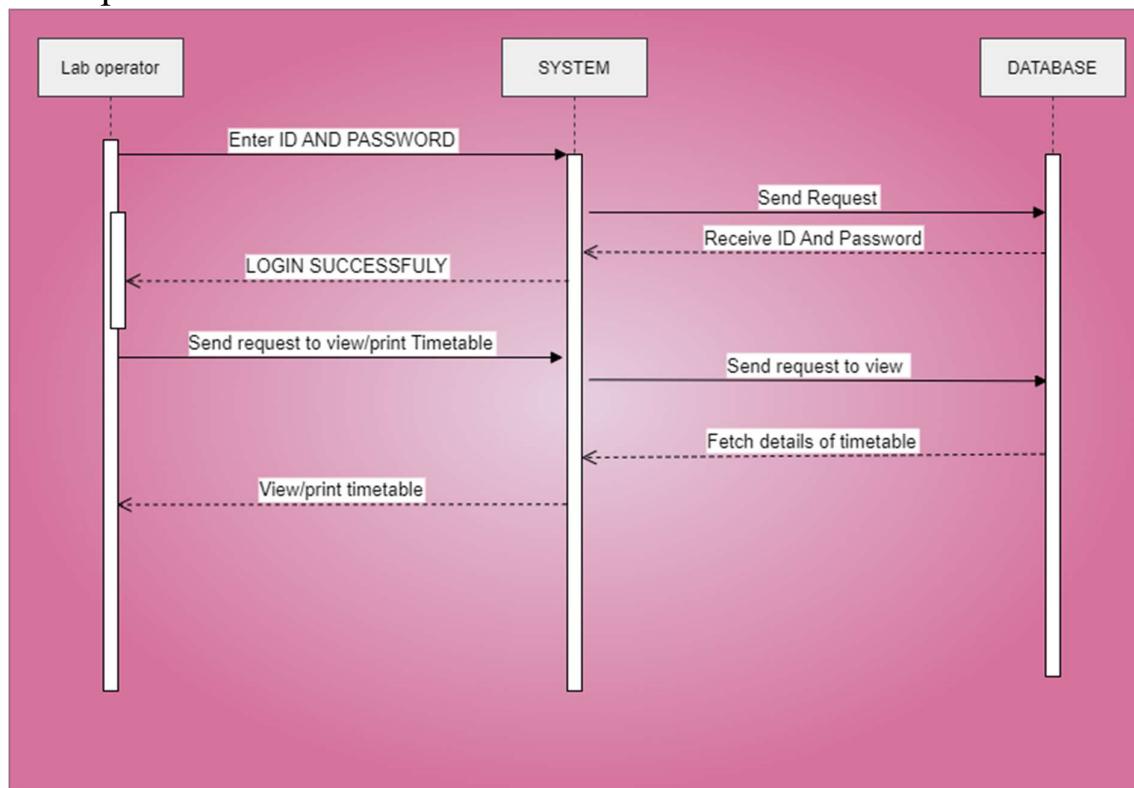
⇒ Faculty



⇒ Student

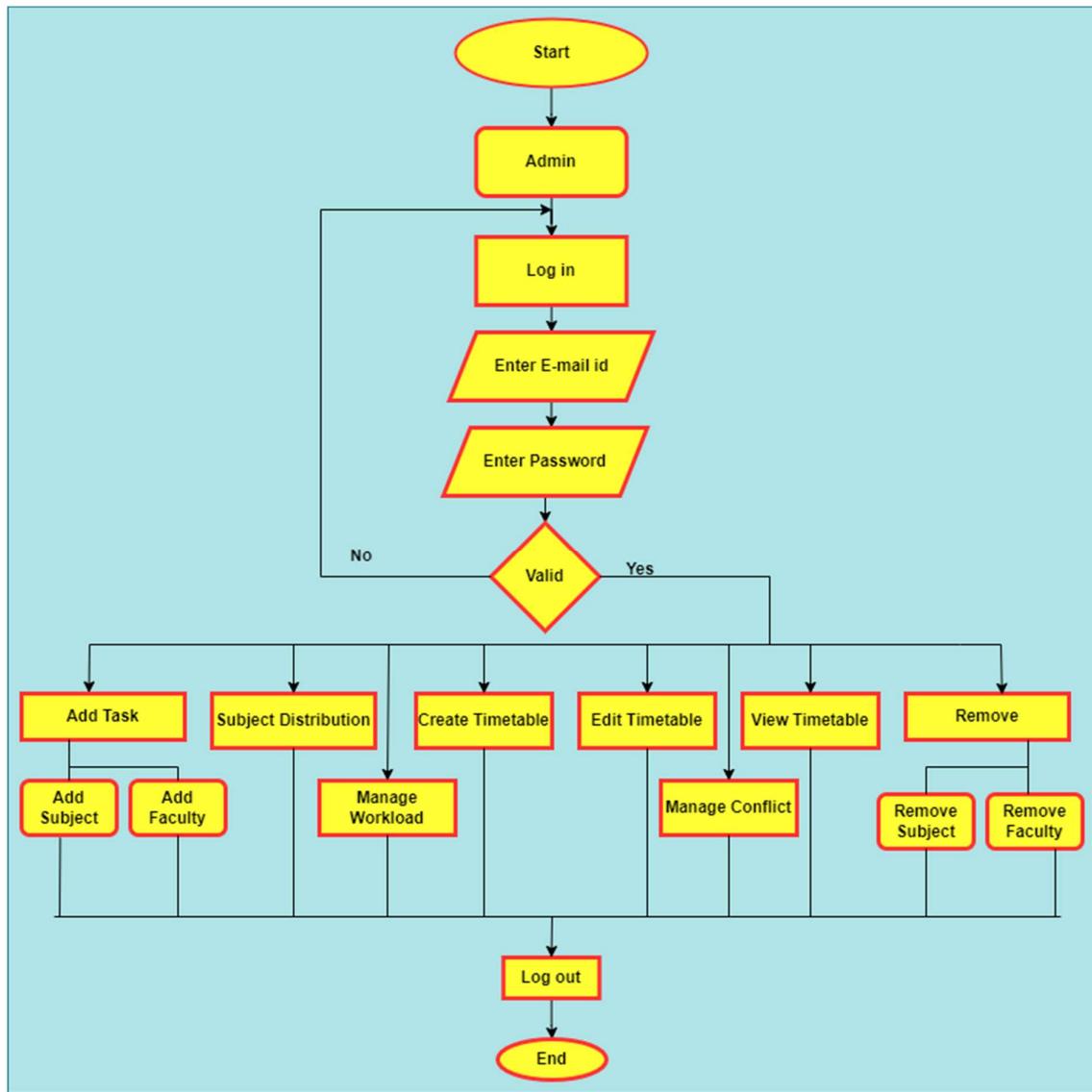


⇒ Lab operator

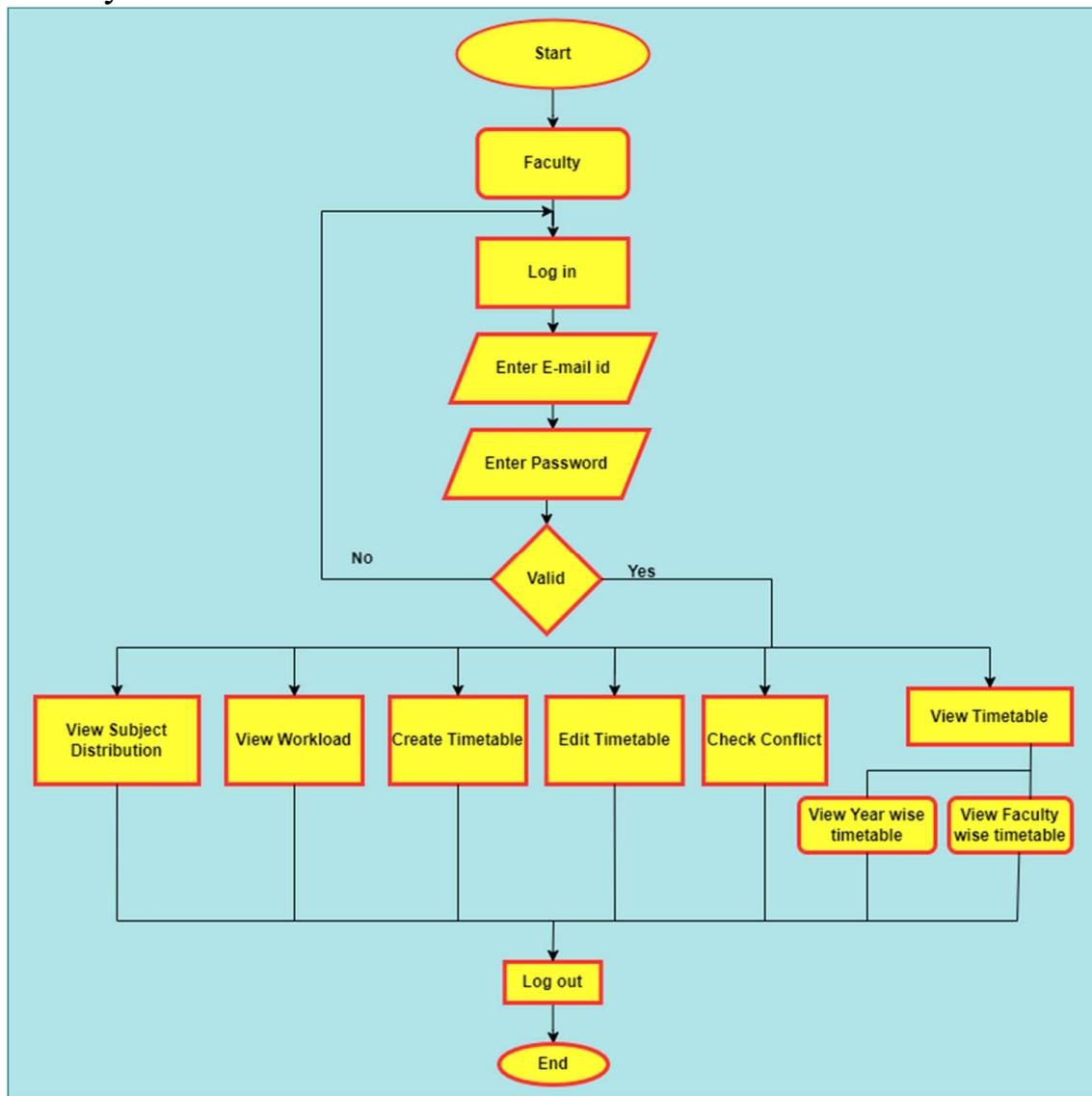


4.2 SYSTEM FLOW DIAGRAM :-

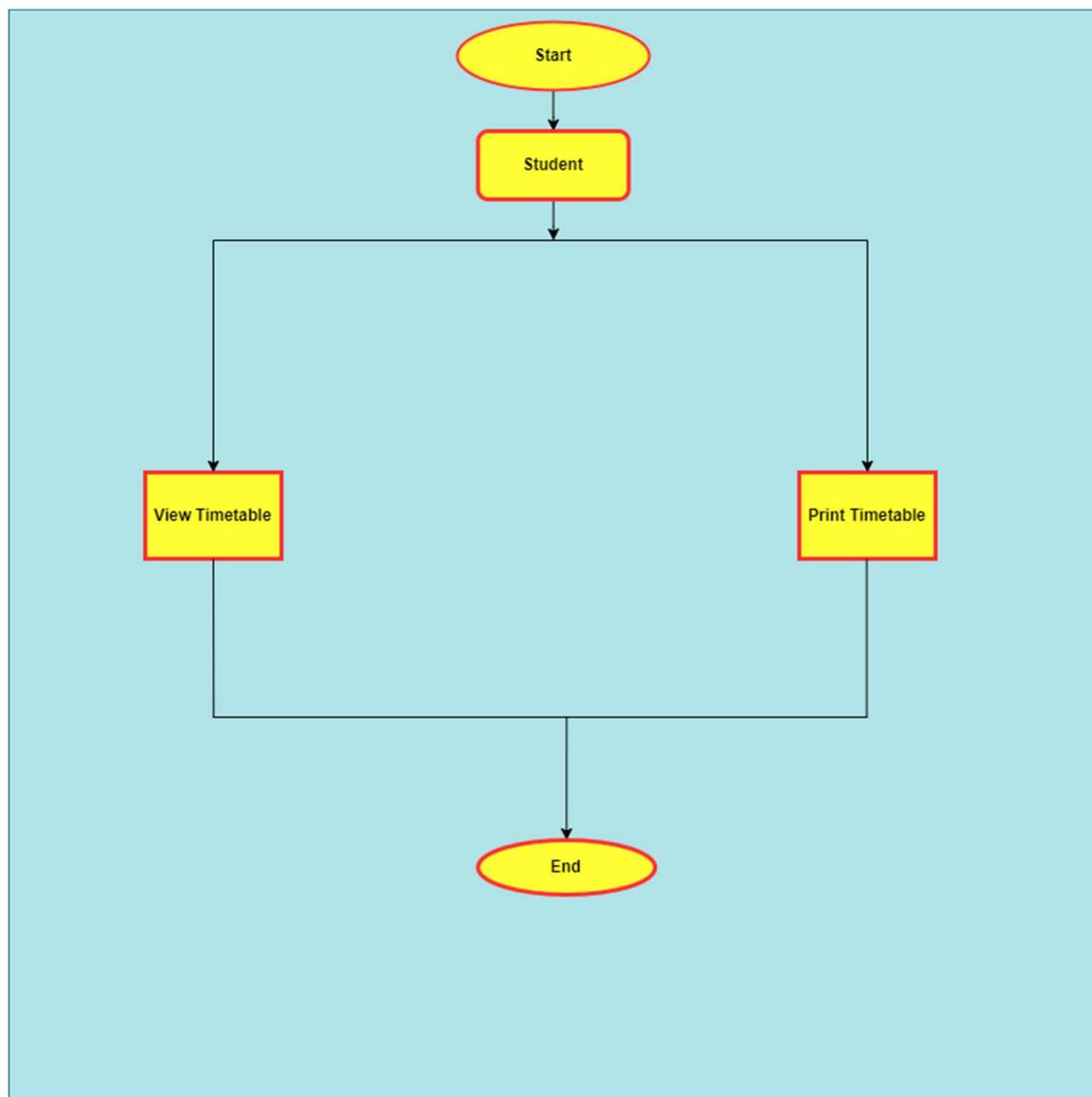
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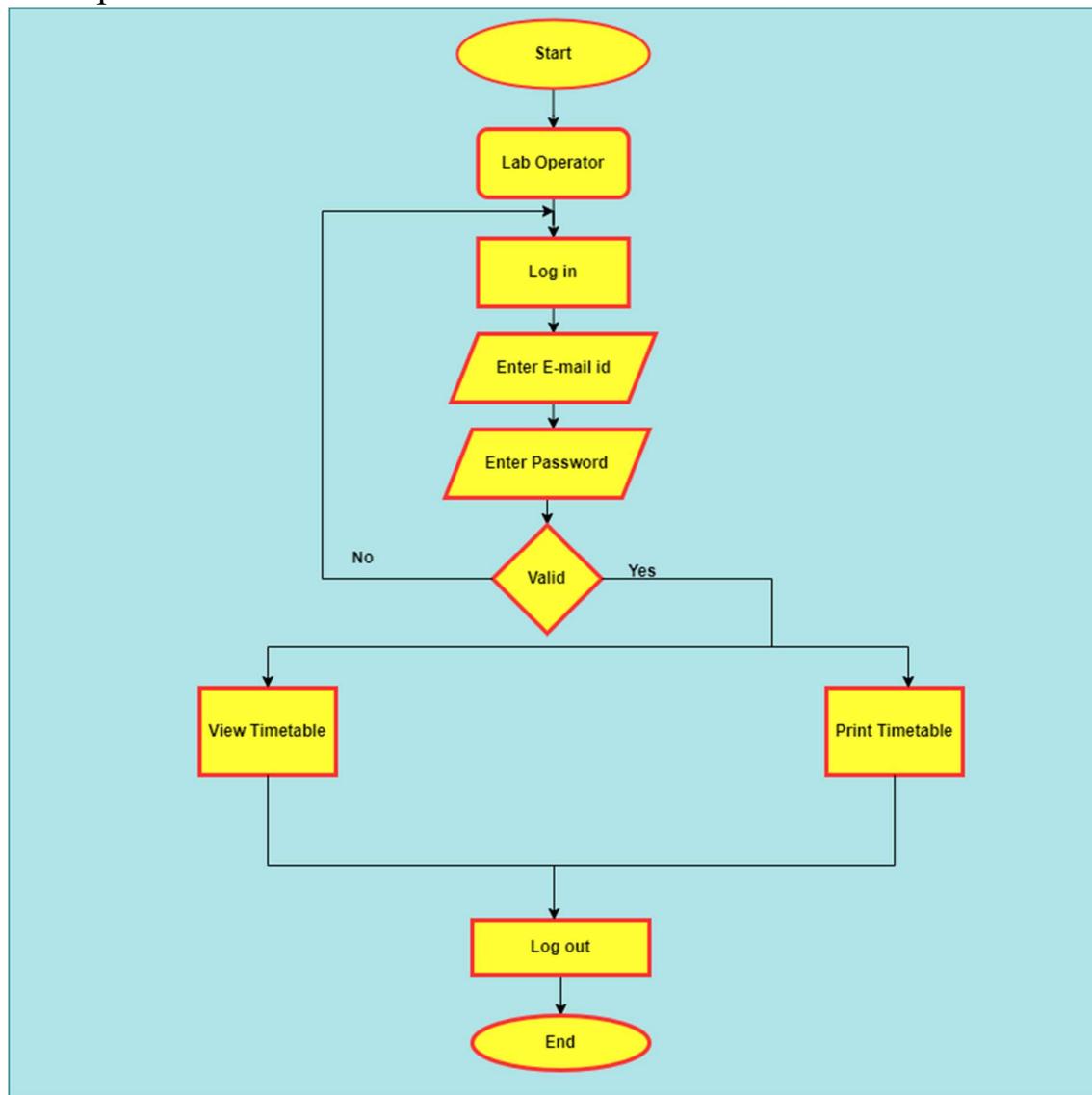
⇒ Faculty



⇒ Student



⇒ Lab operator



4.3 DATA DICTIONARY :-

1) Admin :

Field Name	Data Type	Size	Constraint	Description
Admin_e-mail	Varchar	30	Primary Key	Admin Mail id
Admin_Password	Varchar	15	Not Null	Admin Password

2) Faculty:

Field Name	Data Type	Size	Constraint	Description
Faculty_id	Varchar	30	Primary Key	Faculty Id
Subject_id	Integer	30	Foreign Key	Subject_Id
Faculty_name	Varchar	50	Not Null	Faculty Name
Faculty_Password	Varchar	15	Not Null	Faculty Password
Subject_choice	Varchar	90	Not Null	Subject choice of faculty

3) Timetable:

Field Name	Data Type	Size	Constraint	Description
Timetable_id	Varchar	6	Primary Key	Unique Timetable Id
Subject_id	Integer	30	Foreign key	Subject Id
Faculty_id	Varchar	30	Foreign Key	Faculty Id
Subject_name	Varchar	30	Not Null	Subject Name
Faculty_name	Varchar	50	Not Null	Faculty Name
Sem	Integer	15	Not Null	Sem in which Subject is teach
Date	Date	-	Not Null	Date of Timetable
Time	Integer	8	Not Null	Time of Lecture
Division	Varchar	5	Not Null	Division of Year

4) Subject Distribution:

Field Name	Data Type	Size	Constraint	Description
Subject_id	Integer	30	Primary Key	Subject Id
Faculty_id	Varchar	30	Foreign key	Faculty Id
Workload	Integer	20	Not Null	Total hour of workload
Subject_name	Varchar	30	Not Null	Subject Name
Sem	Integer	15	Not Null	Sem in which Subject is teach
Subject_Credit	Integer	15	Not Null	Credit score of Subject

5) Lab operator:

Field Name	Data Type	Size	Constraint	Description
Lab-operator_id	Varchar	10	Primary Key	Lab-operator Id
Lab-operator_password	Varchar	12	Not Null	Lab-operator Password

4.4 USER INTERFACE :-

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Home About Services Sign Up Login

About K.S.School



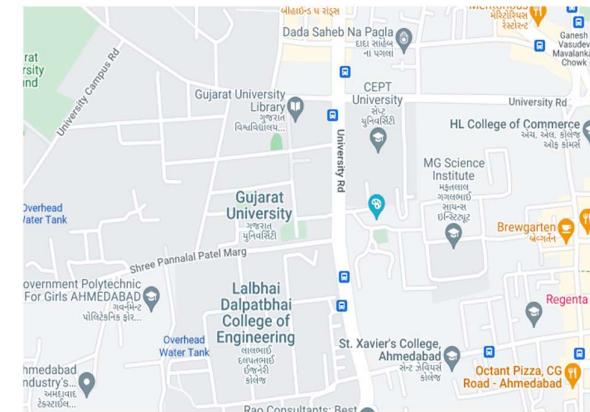
K. S. School of Business Management is one of the pioneer institutes offering Integrated MBA and MSc (Computer Applications & Information Technology) in India. Established under the aegis of Gujarat University, KSSBM started with five year integrated programme in MBA in 1993, followed by five year integrated programme in MSc (CA&IT) in 1998. Both the programmes have grown in size and stature, attracting Gujarat state's young budding students after their 12th standard from all walks of life.

Contact Us

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Home About Contacts Sign Up Login

Contact Us



K S School Of Business Management

Gujarat University Campus,
Navrangpura,
Ahmedabad, 380009
Gujarat
Phone: 079 2630 5972
Phone: 079 2630 2119

Email : ksschool31@yahoo.co.in
Working Hours : 8:00 am to 5:30 pm

Register

The screenshot shows a registration form titled "Register". It includes fields for "Username", "Email", "Password", and "Password Confirmation", each with an associated input box. Below these fields is a yellow "Register" button. At the bottom of the form, there is a link "Or [Sign In](#)". The background of the page is light grey, and the top navigation bar is orange.

Login Module

The screenshot shows a login form titled "Login". It includes fields for "Username" and "Password", each with an associated input box. Below these fields is a yellow "Login" button. At the bottom of the form, there is a link "Or [Sign Up](#)". The background of the page is light grey, and the top navigation bar is orange.

Forgot Password:

Forgot Password
we will send an otp to reset password

Email

Submit

Reset Password:

Reset Password

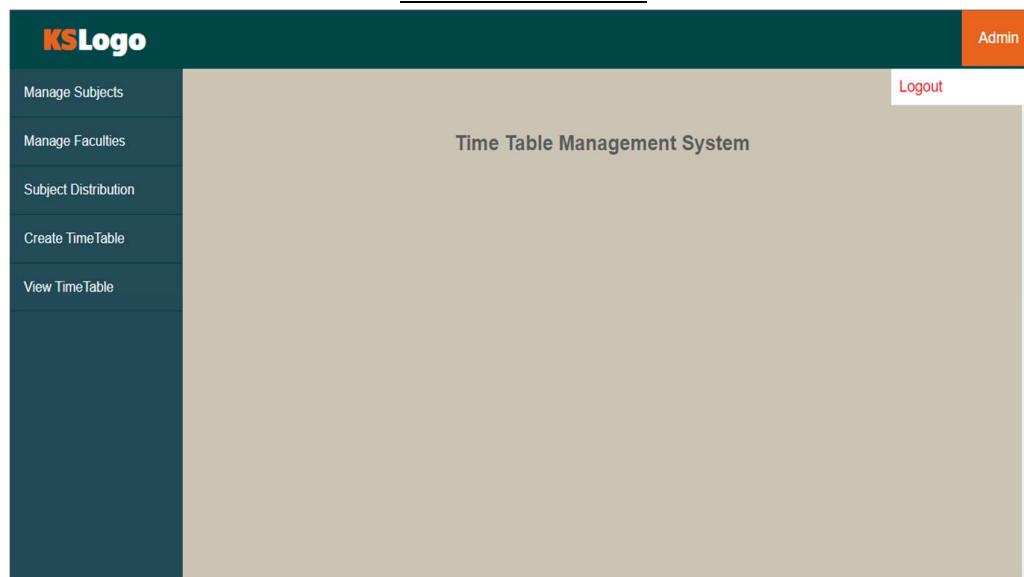
OTP

New Password

Confirm Password

Submit

Admin Module



The screenshot shows a modal dialog titled 'Add Subject'. It contains four input fields: 'Select Domain' (dropdown menu showing 'AI & MI'), 'Subject' (text input field), 'Select Sem' (dropdown menu showing '1'), and 'Subject Credit' (dropdown menu showing '2'). At the bottom is a large yellow 'Submit' button.

KSLogo

Admin

Manage Subjects

Manage Faculties

Subject Distribution

Create TimeTable

View TimeTable

Add Subject

Edit Subject

Add Subject

Subject Name

Faculty Name AA ▾

BB

CC

DD

Add Subject

Subject Distribution

Faculty Name

Hiral

Subject

Submit

K.S. SCHOOL OF BUSINESS MANAGEMENT M.Sc.(CA & IT)

The screenshot shows a web application interface for managing subjects. The left sidebar has links for 'Manage Subjects', 'Manage Faculties', 'Subject Distribution', 'Create TimeTable', and 'View TimeTable'. The main content area has buttons for 'Add Subjects' and 'Manage Subjects'. A table titled 'Manage Subjects' lists two entries:

SN	Subject Name	Faculty	Action
1	AI & ML	Hiral Prajapati	edit delete
2	Java	Hiral Prajapati	edit delete

The screenshot shows a web application interface for adding a faculty member. The left sidebar has links for 'Manage Subjects', 'Manage Faculties', 'Subject Distribution', 'Create TimeTable', and 'View TimeTable'. The main content area has buttons for 'Add Faculty' and 'Edit Faculty'. A form titled 'Add Faculty' contains fields for 'Faculty Name' (with a placeholder 'Enter Faculty Name') and 'Expertised Domain' (with checkboxes for 'Java', 'C++', and 'AI & ML'). A 'Add Faculty' button is at the bottom.

K.S. SCHOOL OF BUSINESS MANAGEMENT M.Sc.(CA & IT)

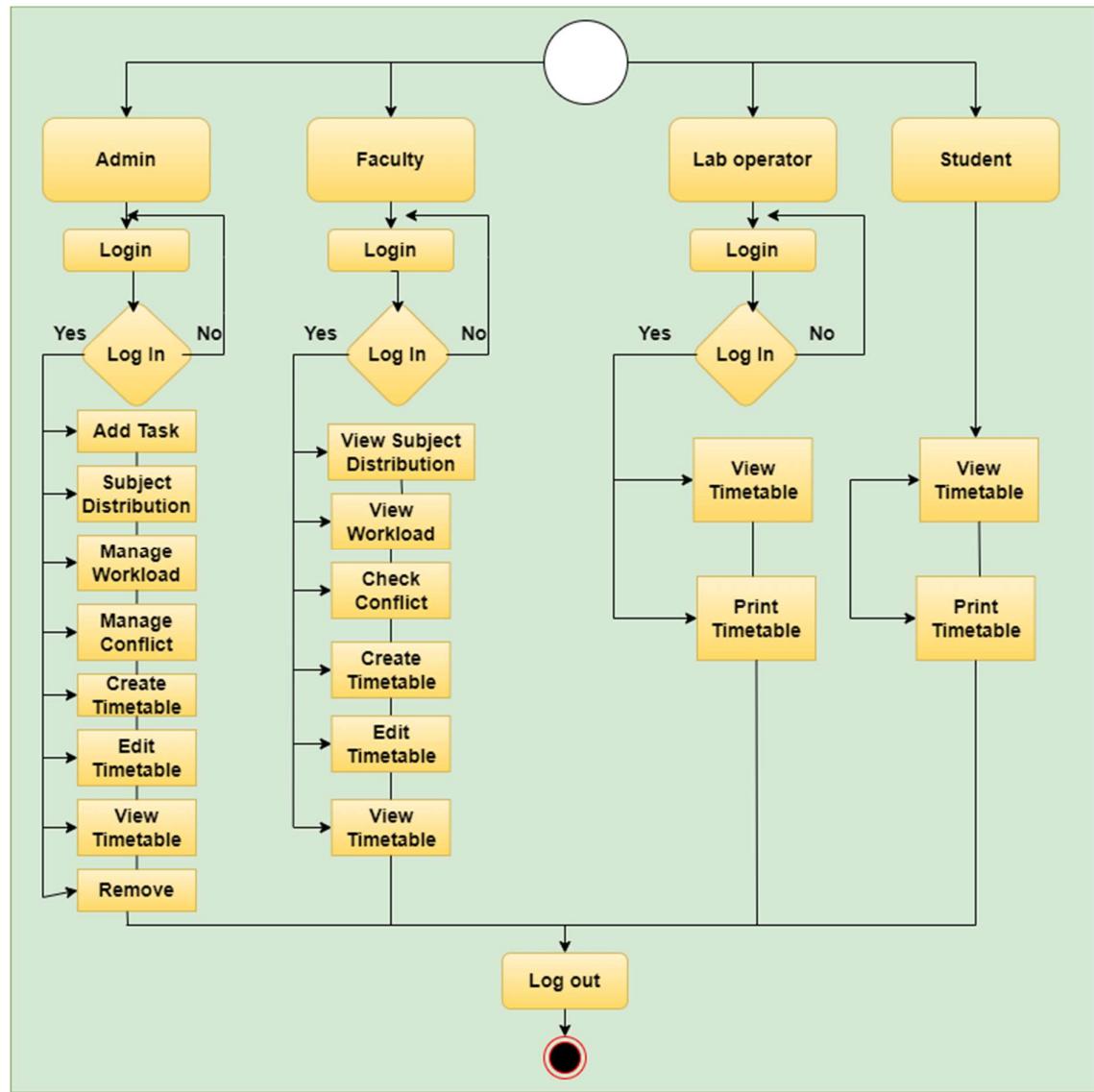
KSLogo Admin

Add Faculty Manage Faculty

Manage Faculty

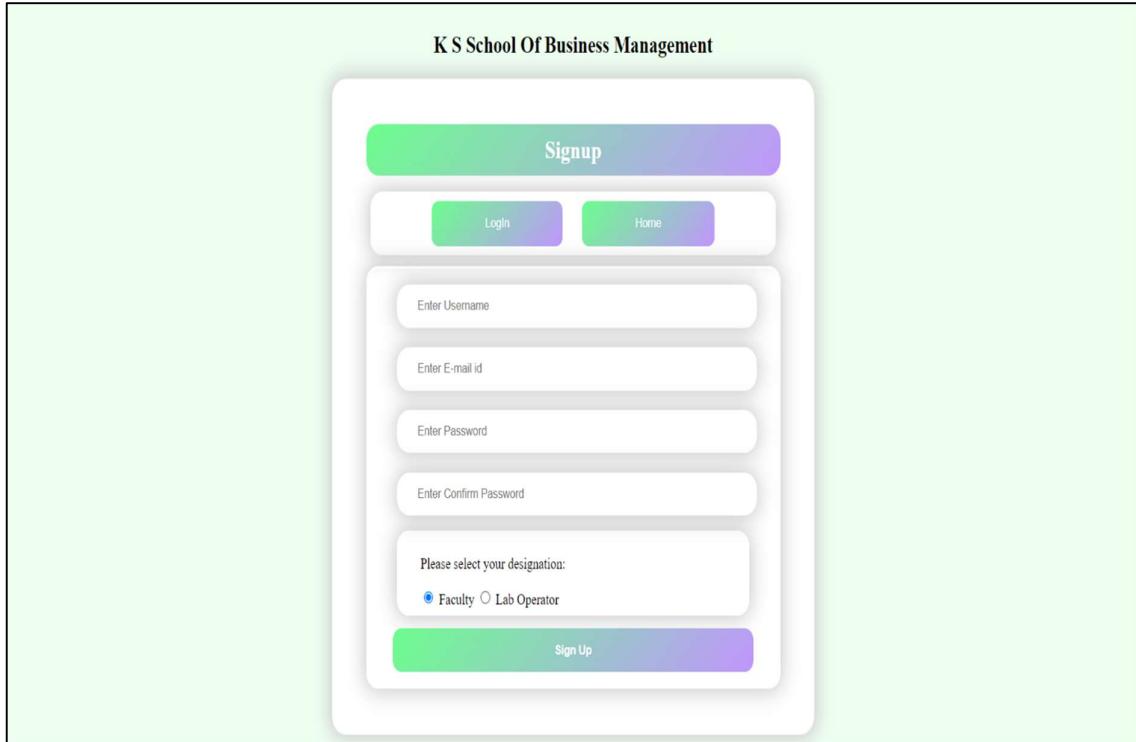
NO	Name	Domain	Action
1	Hiral Prajapati	Java	edit delete
2	Rasheda Shaikh	AI & ML	edit delete

4.5 SYSTEM NAVIGATION :-



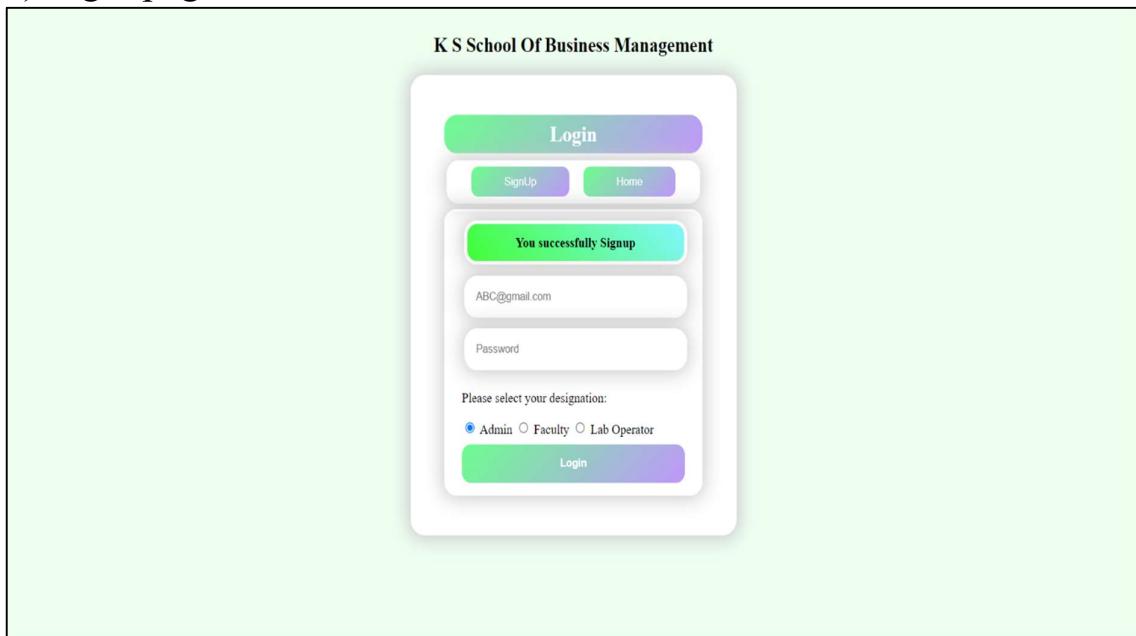
Chapter:- 5 Input / Output Design

1) Registration Page :



The registration page features a central white rectangular form with rounded corners. At the top right, it says "KS School Of Business Management". Below this is a green-to-purple gradient button labeled "Signup". Underneath are two smaller buttons: "Login" (green) and "Home" (purple). The main area contains four input fields with placeholder text: "Enter Username", "Enter E-mail id", "Enter Password", and "Enter Confirm Password". Below these is a section titled "Please select your designation:" with two radio buttons: "Faculty" (selected) and "Lab Operator". At the bottom is a large green-to-purple gradient button labeled "Sign Up".

2) Login page:



The login page features a central white rectangular form with rounded corners. At the top right, it says "KS School Of Business Management". Below this is a green-to-purple gradient button labeled "Login". Underneath are two smaller buttons: "SignUp" (purple) and "Home" (green). A green rectangular box displays the message "You successfully Signup". Below this are two input fields: "ABC@gmail.com" and "Password". Underneath these is a section titled "Please select your designation:" with three radio buttons: "Admin" (selected), "Faculty", and "Lab Operator". At the bottom is a large green-to-purple gradient button labeled "Login".

3)Home page:

The screenshot shows the homepage of the K.S. School of Business Management website. At the top, there is a navigation bar with a logo on the left and links for HOME, CONTACT, ABOUT, SIGNUP, and LOGOUT. Below the navigation bar, the title "Student section" is displayed. A central box titled "Lecture Schedule" contains two buttons: "10-06-2022 Latest timetable [click here....](#)" and "05-06-2022 Latest timetable [click here....](#)". At the bottom of the page, a footer bar displays the copyright information: "© KSSBM @ 2022 All Rights Reserved".

4)Contact page:

The screenshot shows the Contact page of the K.S. School of Business Management website. At the top, there is a navigation bar with a logo on the left and links for HOME, CONTACT, ABOUT, SIGNUP, and LOGOUT. Below the navigation bar, the title "Contact Us" is displayed. A central box titled "K S School Of Business Management" contains contact information: Address (Gujarat University Campus, Navrangpura, Ahmedabad, 380009, Gujarat), Phone numbers (079 2630 5972, 079 2630 2119), Email (ksschool31@yahoo.co.in), and Working Hours (8:00 am to 5:30 pm). At the bottom of the page, a footer bar displays the copyright information: "© KSSBM @ 2022 All Rights Reserved".

5)About page:

The screenshot shows the 'About' page of the K.S. School Of Business Management website. At the top, there is a navigation bar with links for HOME, CONTACT, ABOUT, SIGNUP, and LOGOUT. The main content area has a green header bar with the text 'K S School Of Business Management'. Below this, there is a large text block containing information about the school's history, mission, facilities, placement cell, and extracurricular activities. At the bottom of the page, there is a footer bar with the text '© KSSBM @ 2022 All Rights Reserved'.

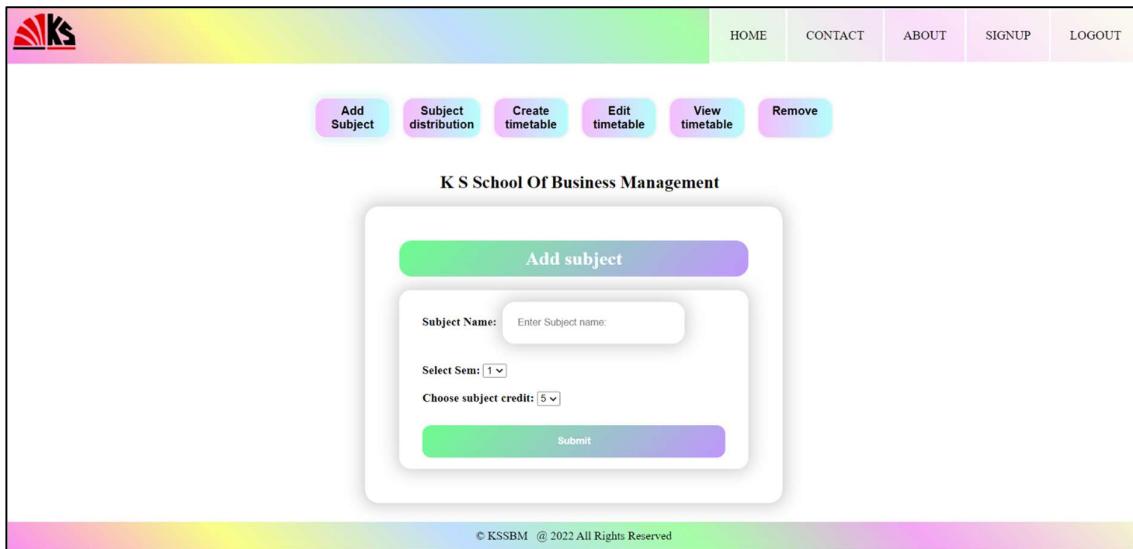
6)Admin page:

The screenshot shows the 'Admin' page of the K.S. School Of Business Management website. At the top, there is a navigation bar with links for HOME, CONTACT, ABOUT, SIGNUP, and LOGOUT. Below the navigation bar, there is a row of six buttons with labels: 'Add Subject', 'Subject distribution', 'Create timetable', 'Edit timetable', 'View timetable', and 'Remove'. The rest of the page is currently blank.

7)Faculty page:



8)Add subject page:



9)Subject Distribution page:

The screenshot shows a web application interface. At the top, there is a navigation bar with a logo on the left and links for HOME, CONTACT, ABOUT, SIGNUP, and LOGOUT on the right. Below the navigation bar is a horizontal menu with six items: Add Subject, Subject distribution, Create timetable, Edit timetable, View timetable, and Remove. In the center, there is a main content area with a title "K S School Of Business Management". Below the title is a sub-section titled "Subject Distribution" with a green header. It contains a dropdown menu labeled "Choose Subject: Select Subject: ▾" and a "Submit" button. At the bottom of the page, there is a footer bar with the text "© KSSBM @ 2022 All Rights Reserved".

10)Create Timetable page:

K.S. SCHOOL OF BUSINESS MANAGEMENT M.Sc.(CA & IT)

K S School Of Business Management
Create Timetable
FIRST YEAR M.Sc (CA&IT)

Time	DIV-A	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9:00 To 10:30	DIV-B	IOA_P	IOA_P	IOA_P	IOA_P	IOA_P	IOA_P
	DIV-C						
10:30 To 12:00	DIV-B	FOP_P	FOP_P	FOP_P	FOP_P	FOP_P	FOP_P
	DIV-C						
Break: 12:00 TO 12:20							
12:20 To 1:20	DIV-A	DBMS	CS	DBMS	CS	DBMS	CS
	DIV-B	FCO	FOP	FCO	FOP	FCO	FOP
	DIV-C	MC	FAM	MC	FAM	MC	FAM
1:20 To 2:20	DIV-A	MC	FAM	MC	FAM	MC	FAM
	DIV-B	DBMS	CS	DBMS	CS	DBMS	CS
	DIV-C	FCO	FOP	FCO	FOP	FCO	FOP
Break: 2:20 TO 2:40							
2:40 To 3:40	DIV-A	FCO	FOP	FCO	FOP	FCO	FOP
	DIV-B	MC	FAM	MC	FAM	MC	FAM
	DIV-C	DBMS	CS	DBMS	CS	DBMS	CS
3:40 To 4:40	DIV-A			FOM			
	DIV-B			FOM			
	DIV-C			FOM			

Subject Name: Faculty Name:
IOA_P HIRAL PRAJAPATI,
FOP_P JUI UPADHYAY,
MC JIGAR RAVAL,
FAM JANHVEE UPADHYAY,
DBMS VIRAL THAKOR,
CS ABHILASHA VADESARA,
IOA_P AKANSHA JAIN,
DBMS KRUPALI BUSA,

SECOND YEAR M.Sc (CA&IT)

Time	DIV-A	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
12:20 To 1:20	DIV-B	COSM	OOP	COSM	OOP	COSM	OOP
	DIV-C	FE	OS	FE	OS	OS	DS
1:20 To 2:20	DIV-A	SSE	DM	SSE	DM	DS	DM
	DIV-B	SSD	DM	SSD	DM	DS	DM
	DIV-C	COSM	OOP	COSM	OOP	COSM	OOP
Break: 2:20 TO 2:40							
2:40 To 3:40	DIV-A	FE	OS	FE	OS	OS	DS
	DIV-B	SSD	DM	SSD	DM	DS	DM
	DIV-C	COSM	OOP	COSM	OOP	COSM	OOP
3:40 To 5:15	DIV-A	DS_P	DS	OOP_P	DS_P	DS_P	OOP_P
	DIV-B	OOP_P	DS_P	OOP_P	DS	DS_P	OOP_P
	DIV-C	DS	DS_P	DS_P	DS	DS_P	DS_P

Subject Name: Faculty Name:
COSM JANHVEE UPADHYAY,
DS AKANSHA JAIN,
SSD JIGAR RAVAL,
SSE VIRAL THAKOR,
DS_P NAMITA Doshi,
OOP KRUPALI BUSA,
OS ANJALI TADVI,
OOP_P JUI UPADHYAY,
FE SAGAR BURSE,

THIRD YEAR M.Sc (CA&IT)

Time	DIV-A	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9:00 To 10:30	DIV-B	OOPJ_P	OOPJ_P	OOPJ_P	OOPJ_P	OOPJ_P	OOPJ_P
	DIV-C						
10:30 To 12:00	DIV-A	CG_P	CG_P	CG_P	CG_P	CG_P	CG_P
	DIV-B						
	DIV-C						
Break: 12:00 TO 12:20							
12:20 To 1:20	DIV-A	SE	CG	SE	CG	SE	PROJECT
	DIV-B	CG	TC	CG	TC	CG	PROJECT
	DIV-C	OOPJ	CLIP	OOPJ	CLIP	OOPJ	PROJECT
1:20 To 2:20	DIV-A	OOPJ	TC	OOPJ	TC	OOPJ	PROJECT
	DIV-B	SE	CLIP	SE	CLIP	SE	PROJECT
	DIV-C	CG	SE	CG	SE	CG	PROJECT
Break: 2:20 TO 2:40							
2:40 To 3:40	DIV-A	CG	CLIP	CG	CLIP	CG	PROJECT
	DIV-B	OOPJ	OOPJ	OOPJ	OOPJ	OOPJ	PROJECT
	DIV-C	SE	TC	SE	TC	SE	PROJECT
3:40 To 4:40	DIV-A			CLIP		CLIP	PROJECT
	DIV-B			CLIP		CLIP	PROJECT
	DIV-C			CLIP		CLIP	PROJECT

Subject Name: Faculty Name:
SE VIKRAM SINGH,
CG NAMITA DOSHI,
OOPJ HITESH PARMAR,
OOPJ_P ANJALI TADVI,
TC PULKIT TRivedi,
CLIP KAMESH RAVAL,
CG_P ABHILASHA VADESARA,

FOURTH YEAR M.Sc (CA&IT)

Time	DIV-A	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9:00 To 10:00	DIV-B	ADBMS	ES	ADBMS	ES	ADBMS	OR
	DIV-C	ERP	SPM	ERP	SPM	ERP	SPM
10:00 To 11:00	DIV-A	AI	AN	AI	AN	AI	AN
	DIV-B	ADBMS	ES	ADBMS	ES	ADBMS	OR
11:00 To 12:00	DIV-A	ERP	SPM	ERP	SPM	ERP	SPM
	DIV-B	AI	AN	AI	AN	AI	AN
Break: 12:00 TO 12:20							
12:20 To 2:20	DIV-A	AI_P	OR	AI_P	AI_P	AI_P	AI_P
	DIV-B	OR	AI_P	OR	AI_P	OR	AI_P
Break: 2:20 TO 2:40							
2:40 To 3:40	DIV-A	AI_P	AI_P	AI_P	AI_P	AI_P	AI_P
	DIV-B						

Subject Name: Faculty Name:
ADBMS VIDHI SUTARIA,
SPM HIRAL PRAJAPATI,
AI VIKRAM SINGH,
ERP KAMESH RAVAL,
OR VRUNDA GADESHA,
AN PRUTHVIRAJSINH PARMAR,
AI_P SAGAR BURSE,

FIFTH YEAR M.Sc (CA&IT)

Time	DIV-A	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9:00 To 10:00	DIV-B	GIS	CC	GIS	NA	GIS	NA
	DIV-C	DC	DOS	DC	DOS	DC	DOS
10:00 To 11:00	DIV-A	IP	MAD	IP	MAD	IP	MAD
	DIV-B	GIS	CC	GIS	NA	GIS	NA
11:00 To 12:00	DIV-A	DC	DOS	DC	DOS	DC	DOS
	DIV-B	IP	MAD	IP	MAD	IP	MAD
Break: 12:00 TO 12:20							
12:20 To 2:20	DIV-A	CC	MAD_P	CC	MAD_P	MAD_P	MAD_P
	DIV-B	MAD_P	CC	MAD_P	CC	MAD_P	CC
Break: 2:20 TO 2:40							
2:40 To 3:40	DIV-A	MAD_P	MAD_P	MAD_P	MAD_P	MAD_P	MAD_P
	DIV-B	MAD_P	MAD_P	MAD_P	MAD_P	MAD_P	MAD_P

Subject Name: Faculty Name:
PRUTHVIRAJSINH PARMAR,
NA KAMESH RAVAL,
GIS NANDITA DOSHI,
DC KALYANI PATEL,
CC VIKRAM SINGH,
MAD ANISHA GAJJAR,
MAD_P ANISHA GAJJAR,
DOS HITESH PARMAR,

PAGE NO : 57

11) Remove Subject:

The screenshot shows a web application interface for managing subjects. At the top, there's a navigation bar with links for HOME, CONTACT, ABOUT, SIGNUP, and LOGOUT. Below the navigation is a row of buttons: Add Subject, Subject distribution, Create timetable, Edit timetable, View timetable, and Remove. The main content area is titled "K S School Of Business Management" and contains a sub-section titled "Remove Subject". This section features a table listing 41 subjects, each with a "Delete" link. The table columns are labeled "sub", "Subject Name:", "Sem:", and "Delete". The subjects listed include FCO, FOP, MC, FAM, FOM, CS, IOA_P, FOP_P, DBMS, COSM, DS, DM, SSD, DS_P, OOP, OS, OOP_P, FE, SE, CG, OOPJ, OOPJ_P, TC, CLIP, CG_P, ADDBMS, SPM, AI, ERP, OR, AN, AI_P, IP, NA, GIS, DC, CC, MAD, MAD_P, DOS, and ES.

sub	Subject Name:	Sem:	Delete
1	FCO	1	
2	FOP	1	
3	MC	1	
4	FAM	1	
5	FOM	1	
6	CS	1	
7	IOA_P	1	
8	FOP_P	1	
9	DBMS	1	
10	COSM	3	
11	DS	3	
12	DM	3	
13	SSD	3	
14	DS_P	3	
15	OOP	3	
16	OS	3	
17	OOP_P	3	
18	FE	3	
19	SE	5	
20	CG	5	
21	OOPJ	5	
22	OOPJ_P	5	
23	TC	5	
24	CLIP	5	
25	CG_P	5	
26	ADDBMS	7	
27	SPM	7	
28	AI	7	
29	ERP	7	
30	OR	7	
31	AN	7	
32	AI_P	7	
33	IP	9	
34	NA	9	
35	GIS	9	
36	DC	9	
37	CC	9	
38	MAD	9	
39	MAD_P	9	
40	DOS	9	
41	ES	7	

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12) Remove Faculty:

The screenshot shows a web application interface for managing faculty. At the top, there is a navigation bar with links for HOME, CONTACT, ABOUT, SIGNUP, and LOGOUT. Below the navigation bar, there are several buttons: Add Subject, Subject distribution, Create timetable, Edit timetable, View timetable, and Remove. The main content area is titled "K S School Of Business Management" and contains a sub-section titled "Remove Faculty". This section features a table with 21 rows, each representing a faculty member with their name and a delete icon. The table has columns for sub (row numbers), Faculty Name, and Delete.

sub	Faculty Name:	Delete
1	ABHILASHA VADESARA	☒
2	AKANSHA JAIN	☒
3	ANISHA GAJJAR	☒
4	ANJALI TADVI	☒
5	bbb	☒
6	aman	☒
7	HIRAL PRAJAPATI	☒
8	HITESH PARMAR	☒
9	JANHVEE UPADHYAY	☒
10	JIGAR RAVAL	☒
11	JUJU PADHYAY	☒
12	KALYANI PATEL	☒
13	KAMESH RAVAL	☒
14	KRISHNA MEHTA	☒
15	KRUPALI BUSA	☒
16	NAMITA DOSHI	☒
17	Nitin	☒
18	PRIYANKA PATEL	☒
19	PRUTHIVIRAJSINH PARMAR	☒
20	PULKIT TRIVEDI	☒
21	VIDHI SUTARIA	☒

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Chapter 6:Testing

1) Test Case (For Registration) :

=> If user will not fill any of the field , then a message will generate for inform that fill out this field.

The screenshot shows the 'Signup' page of the K S School Of Business Management website. At the top, there is a navigation bar with 'Login' and 'Home' buttons. Below the navigation bar is a form for entering a username. In the username input field, the text '123gmail.com' is entered. A yellow warning icon with the text 'Please fill out this field.' is displayed above the input field. There are also two empty input fields below it. At the bottom of the form, there is a section for selecting designation with radio buttons for 'Faculty' and 'Lab Operator'. A green 'Sign Up' button is at the bottom right.

=> If user will input incorrect email , then a message will generate for input correct email.

The screenshot shows the 'Signup' page of the K S School Of Business Management website. At the top, there is a navigation bar with 'Login' and 'Home' buttons. Below the navigation bar is a form for entering a username. In the username input field, the text 'Nirav' is entered. In the email input field, the text 'niraygmail.com' is entered. A yellow warning icon with the text 'Please include an '@' in the email address. 'niraygmail.com' is missing an '@.' is displayed above the input field. There are also two empty input fields below it. At the bottom of the form, there is a section for selecting designation with radio buttons for 'Faculty' and 'Lab Operator'. A green 'Sign Up' button is at the bottom right.

2) Test Case (For Log In) :

=> If user will input incorrect username or password , then a message will generate for invalid username or password.



Chapter : 7 Summary

7.1 Assumptions :

- One should remember his Username and Password while login to the system.
- We assume that the system which prepared by us is easy to use for all end users.
- Our system having common language So anyone Can Easily Understand the System, So It Provides Ease of Access.
- Our system is very useful for the organization.
- We assume that user has primary knowledge of computer and this type of system.

7.2 Limitations :

- If user does not have knowledge about how to operate computer and system then he might get confuse.
- If the user might not able to deal with English language, then user might not able to use the system efficiently.
- This system is created using this organization constraints and conditions. For other organization constraints may be different.

7.3 Future Scope :

- This system is only useful for this organization but in future we can develop for any other institution by their constraints and condition.

7.4 Conclusion :

The project entitled as **Timetable Management System** is the system that deals with the issues related to a particular institution.

- This project is successfully implemented with all the features mentioned in system requirements specification.
- The application provides appropriate information to users according to the chosen service.
- The project is designed keeping in view the day-to-day problems faced by a college.
- Deployment of our system will certainly help the college to reduce unnecessary wastage of time in personally for the timetable creation.

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(7th e)

=> <http://www.draw.io>

=> <http://www.Creately.com>