"STUDY-ACADEMY"

A

PROJECT REPORT

Project - II

Submitted by

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In fulfilment for the award of the degree

Of

BACHELOR OF ENGINEERING

In

Computer Engineering

ARRDEKTA INSTITUTE OF TECHNOLOGY

KHEDBRAHMA

Gujarat Technological University, Ahmedabad

May, 2021

ARRDEKTA INSTITUTE OF TECHNOLOGY
KHEDBRAHMA

DECLARATION

We hereby declare that the Project Reports, submitted along with the Project Report for the project entitled *"**STUDY-ACADEMY**"* submitted in partial fulfilment for the degree of Bachelor of Computer Engineering in to Gujarat Technological University, Ahmedabad, is a benefice record of the project work carried out at Study academy under the supervision of Mr. PATEL ROHITKUMAR K. and that no part of any of these Project reports has been directly copied from any students' reports or taken from any other source, without providing due reference.

Name of The Students	Sign of Students
1. Patel Jal N	
2. Joshi Aryakumar R.	

ARRDEKTA INSTITUTE OF TECHNOLOGY KHEDBRAHMA

DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE

This is to certify that the dissertation entitled **"STUDY-ACADEMY"** has been carried out by students whose names are listed below, under **Prof. Rohit Patel** guidance in partial fulfillment of the Computer Engineering, 8th semester of Gujarat Technological University, Ahmedabad, during the academic year 2020-21

No	Name	Enrolment No
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Name of Guide: -

Mr. Patel Rohitkumar

Head of The Department: -

Mr. Patel Rohitkumar
(CE Department)

Academic year
(2020-21)

Acknowledgments

We would like to express our deep gratitude to the people who helped us during the development of this project. We are grateful to our project guide for their guidance throughout this project research and work. The satisfaction and euphoria that accompanies the successful completion of any task would be incomplete without the mention of the people who made it possible. The driving force that kept us going on in doing this project is the constant support of our Faculty guide **Mr. PATEL ROHITKUMAR K.** We present our sincere and heartiest thanks to them, for giving us a patient hearing and clearing our doubts.

We place our gratitude on our parents who have always encouraged us to pursue our interests, who have led us onto the right path. We are undoubted for all the love and affection they bestowed upon us. Many people are responsible for the knowledge and experience we have gained during our project and throughout the course. We are thankful to our friends for their support in the completion of this project.

Finally, we would also like to thank all those who knowingly or unknowingly helped us throughout our project.

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1.INTRODUCTION

1.1 Project Summary

"Study-Academy" is the software requirement specification of an online educational website that has 3 roles Admin, Faculty, and Students.

Admin can register faculty, view the students, faculty, send materials, links of video lectures. Admin creates a group and takes an online MCQ Exam/Test and declares the result. Faculty view the students, send materials, solve queries of students, links of video lecture create an online MCQ Exam/Test and declare the result. Students can view materials, video lecture links, ask queries and Give MCQ Exam/Test and also view result.

1.2 Aim and Objective of Project

This project will help students to get in touch with other students and faculty through this website. On this website, admin and faculty can easily share study materials, links of video lectures related topic wise which students are studying.

The queries and questions of the related topics are asked by students easily in query sections. Faculty can watch queries and questions of students in query sections and they can help to solve query/ questions easily through query sections.

1.3 Problem Specifications

Due to covid-19, online education is very important. So, we decided to make a website on this topic.

Also, in this internet era, the use of mobile phones, laptops, computers is increasing day by day. Students use them for entertainment, study, music,

watch streaming, etc. Students study from different platforms. We thought that the institute needs to teach them an online platform also in a better way.

1.4 Technologies Requirements

Front-end:

To design the front-end of the website, we need HTML, CSS, Bootstrap CSS, JavaScript, jQuery, Ajax

Back-end:

We used PHP programming languages and MySQL database software to develop this website.

- We used XAMPP software to fulfilling the following requirements: -
  - Apache Web Server
  - MySQL for database
  - PHP interpreter

- We write code into Visual Studio Code and sublime.
- We tested the website in Google chrome browser.

1.5 Project Useful to Society

This project is about institutes can teach students online platform also. The study materials can be shared through websites. So, our website provides them a single platform for all the details for the study.

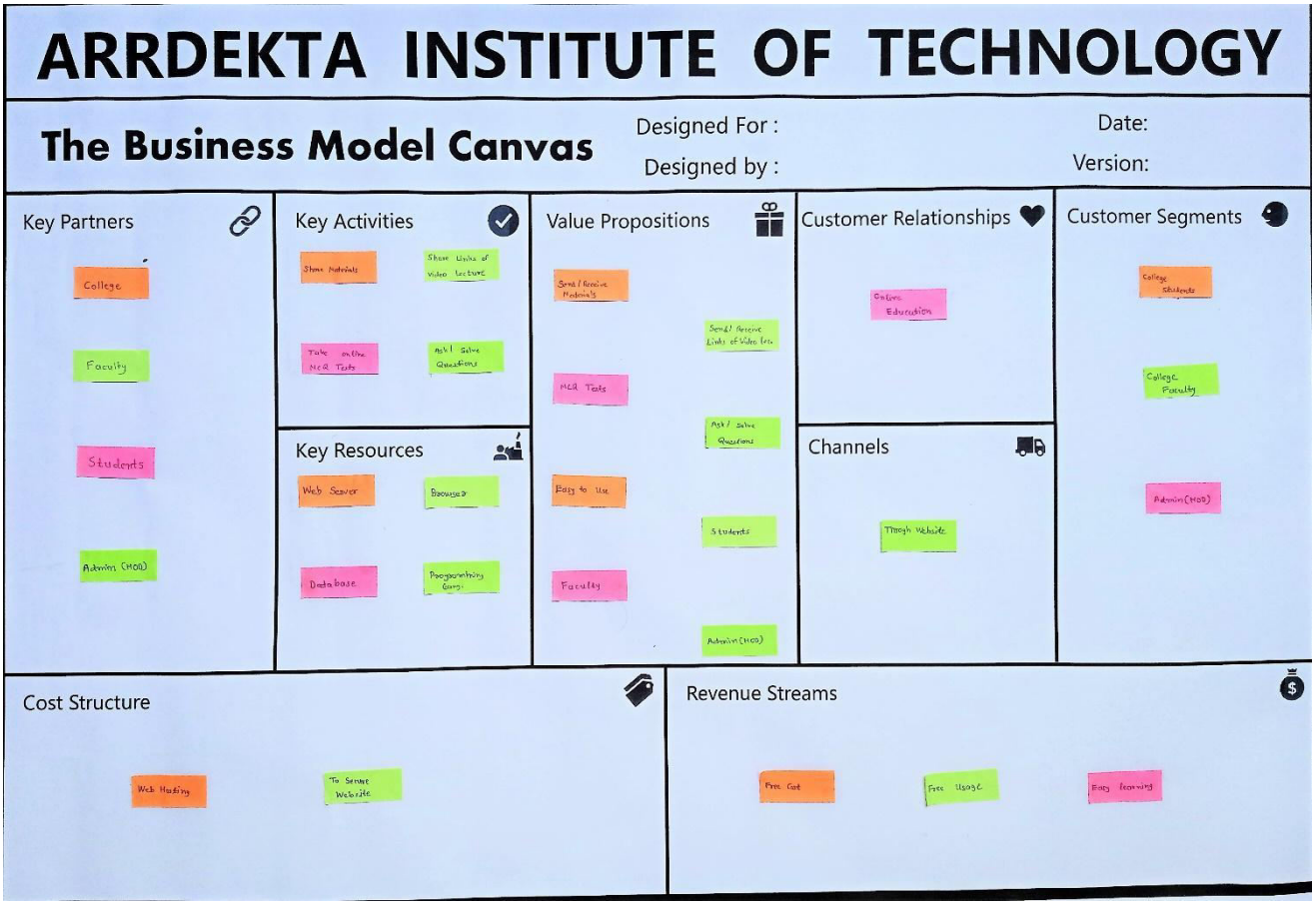
2. OBSERVATION & SYSTEM ANALYSIS

2.1 Literature Review:

For the literature survey, we visited websites, YouTube related to our requirements. we mostly used YouTube videos literature and learn to build the website. We did a web search and refer www.w3schools.com and www.getbootstrap.com to design our website.

We searched on YouTube to learn PHP for back-end programming language and to connect MySQL database, and HTML, CSS, JavaScript, jQuery, and ajax to implement front-end programming to make a dynamic website.

2.2 Business Model Canvas



Key Partners: -

- College
- Faculty
- Students
- Admin (HOD)

Key Activities: -

- Share materials
- Share links of video lecture
- Take online MCQ tests
- Ask/Solve questions

Key Resources: -

- Web Server
- Browser
- Database
- Programming Languages

Value Propositions: -

- Share materials
- MCQ tests
- Share links of video lecture
- Easy to use
- Ask/Solve questions
- Students
- Faculty
- Admin (HOD)

Customer Relationship: -

- Online Education

- **Customer Segments: -**
  - College students
  - College faculty
  - Admin (HOD)

- **Channels: -**
  - Through Website

- **Cost Structure: -**
  - Web Hosting
  - To secure website

- **Revenue Streams: -**
  - Free cost-effective
  - Free usage
  - Easy Learning

2.3 System analysis:

We analyzed our system requirements for our website. To run a website, we need a client browser to run HTML, CSS, and JavaScript, an apache web server for access the request coming from a client browser, database software at server decide to store important data for website and website users, PHP interpreter to interpret PHP language and PHP and MySQL connection driver. These, our system requirements are fulfilled by XAMPP software which has apache web server MySQL database software, phpMyAdmin, etc.

2.4 System Design:

This website has 3 roles admin, faculty, and students. So, we designed the admin panel, faculty panel, and students' panel to fulfill the below activities.

Admin Activities:

- ✔ login into the website.
- ✔ add faculty, view faculty, update faculty, and delete faculty.
- ✔ view students, update students, and delete students by department, and semester-wise
- ✔ upload study materials, view, update and delete them.
- ✔ upload lectures, view, update and delete them.
- ✔ view questions and solve questions of students.
- ✔ create a group for the exam.
- ✔ add questions, update, view, delete from an exam group
- ✔ take the exam according to group-wise, and publish the result of the exam.
- ✔ log out from the website.

Faculty Activities:

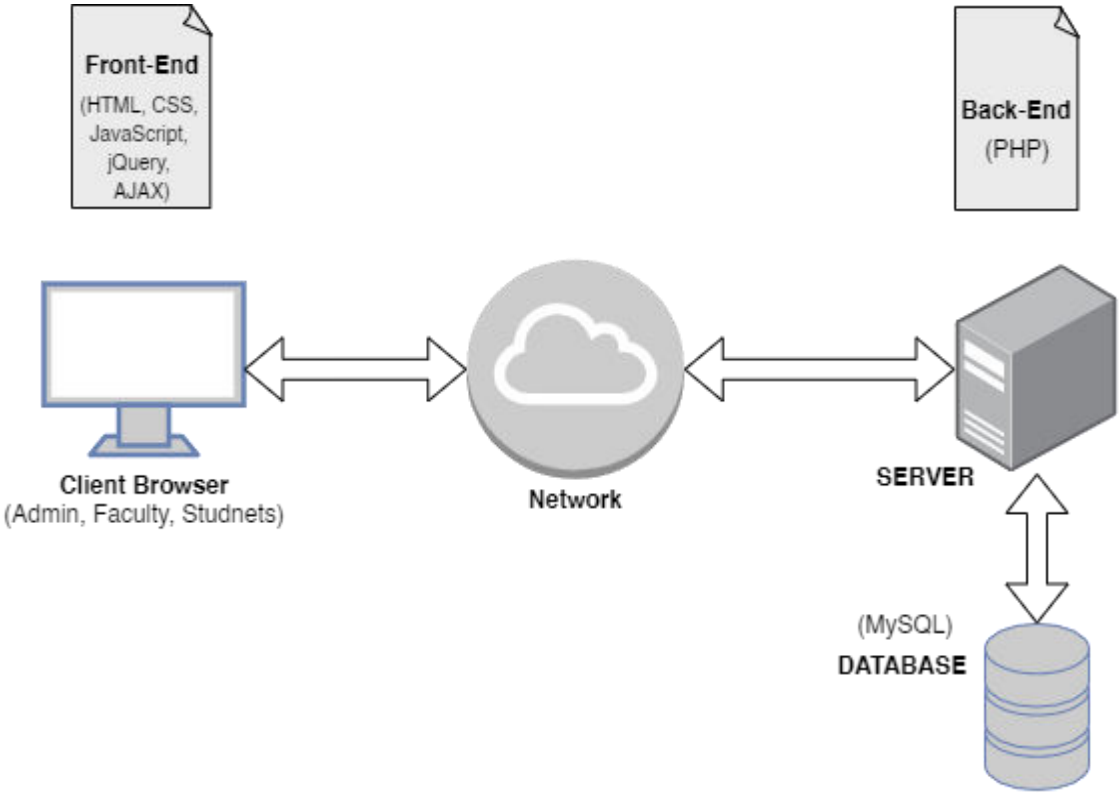
- ✔ login into the website.
- ✔ view students, and update students by department and semester wise
- ✔ upload study materials and delete it by department and semester wise
- ✔ upload videos and lectures and delete it.
- ✔ view questions and solve questions of students.
- ✔ add questions, update, view, delete from an exam group
- ✔ take exam according to group-wise and publish the result of the exam
- ✔ log out from the web1site.

Students Activities:

- ✔ registration into a website.
- ✔ login into the website.
- ✔ view study materials by department and semester wise
- ✔ view videos and lectures by department and semester wise
- ✔ view questions and ask questions to faculty.
- ✔ connect exam group for exam
- ✔ give exam and view result of the exam.
- ✔ log out from the website.

These are activities of 3 roles. To store data of admin, faculty, students, study materials, lectures, questions, exam group, exam questions, result, and department, we designed tables according to need. The tables are shown in Chapter 6. Data dictionary.

System Architecture



3. PROJECT MANAGEMENT

As this site is purely a website the solution is known. So, mapping from problem to solution domain is not a big issue. So, keeping these matters in mind and the model of the software development process was derived from other engineering processes and then finally developed.

Software Process Model:

The waterfall approach was the first SDLC Model to be used widely in Software Engineering to ensure the success of the project. In "The Waterfall" approach, the whole process of software development is divided into separate phases. In the Waterfall model, typically, the outcome of one phase acts as the input for the next phase sequentially.

The sequential phases in the Waterfall model are:

- **Requirement Gathering and analysis:**All possible requirements of the system to be developed are captured in this phase and documented in a requirement specification doc.

- **System Design:** The requirement specifications from the first phase are studied in this phase and system design is prepared. System Design helps in specifying hardware and system requirements and also helps in defining overall system architecture.

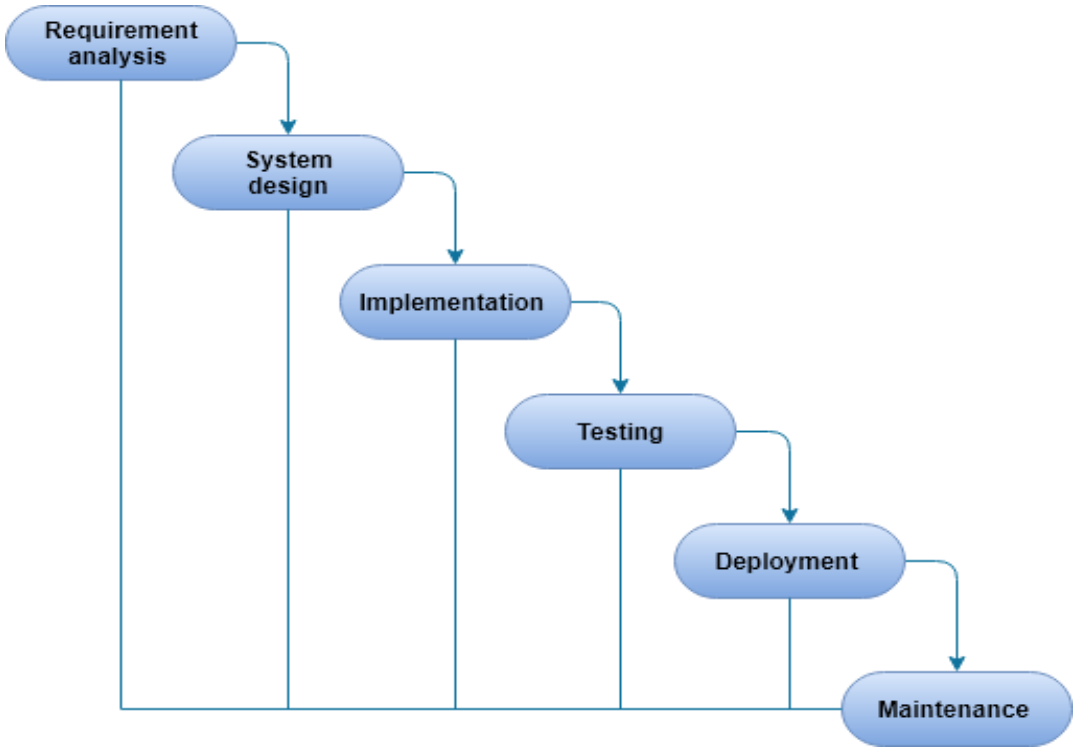
- **Implementation:**With inputs from system design, the system is first developed in small programs called units, which are integrated with the next phase. Each unit is developed and tested for its functionality which is referred to as Unit Testing.

- **Integration and Testing:** All the units developed in the implementation phase are integrated into a system after testing each unit. Post integration the entire system is tested for any faults and failures.

- **Deployment of the system:** Once the functional and non-functional testing is done, the product is deployed in the customer environment or released into the market.

- **Maintenance:** There are some issues that come up in the client environment. To fix those issues patches are released. To enhance the product some better versions are released. Maintenance is done to deliver these changes in the customer environment.

Following is a diagrammatic representation of different phases of the waterfall model.



All these phases are cascaded to each other in which progress is seen as flowing steadily downwards (like a waterfall) through the phases. The next phase is started only after the defined set of goals are achieved for the previous phase and it is signed off, so the name "Waterfall Model". In this model, phases do not overlap.

3.1 Project plan and & Schedule Representation

Project plan:

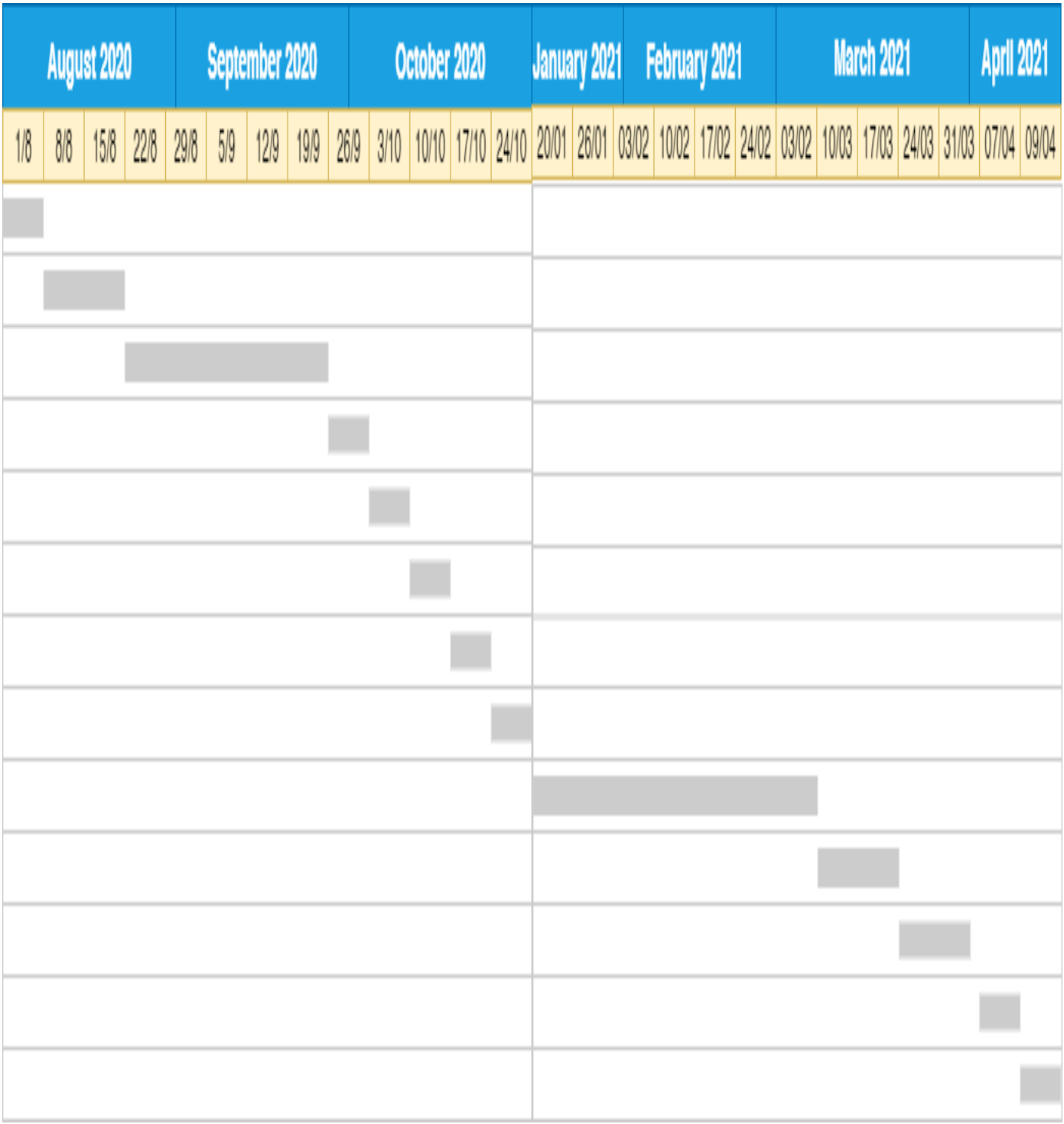
Schedule Representation:

Scheduling a software project does not differ greatly from scheduling any multitask engineering effort. Therefore, generalized project scheduling tools and techniques can be applied with little modification to software projects. Project scheduling consists of identifying the tasks needed to complete the project, determine the dependency among different tasks, plan the starting and ending dates for various tasks, and determine the chain of tasks that determine the duration of the project. In Project scheduling, we decide the order in which to do the tasks.

Index	Things to be done	Time Duration
1.	System Analysis	1 week1d
2.	Feasibility Study	2 weeks
3.	Requirement gathering	4 weeks 1d
4.	Defining Use case	1 week
5.	Defining Activity diagram	1 week
6.	Diagrams (Class, Sequence, Class, DFD, ERD)	2 weeks
7.	Coding & Testing	6 weeks
8.	Integration & Database connectivity	2 weeks
9.	System testing	1 week
10.	Uploading & Testing	1 week

Gantt Chart

ID	Task name	Start	Finish	Duration
1	System analysis	1/8/2020	8/8/2020	1w 1d
2	Feasibility study	9/8/2020	22/8/2020	2w
3	Requirement gathering	23/8/2020	20/9/2020	4w 1d
4	Define Use case	21/9/2020	27/9/2020	1w
5	Activity diagram	28/9/2020	4/10/2020	1w
6	Class, Sequence diagram	5/10/2020	11/10/2020	1w
7	DFD, E-R Diagram	12/10/2020	18/10/2020	1w
8	Documentation	19/10/2020	24/10/2020	6d
9	Coding & Testing	20/01/2021	10/03/2021	6w
10	Integration & Database connectivity	11/03/2021	24/03/2021	2w
11	System testing	24/03/2021	31/03/2021	1w
12	Uploading & Testing	31/03/2021	09/04/2021	1w 3d


August 2020
September 2020
October 2020
January 2021
February 2021
March 2021
April 2021
1/8
8/8
15/8
22/8
29/8
5/9
12/9
19/9
26/9
3/10
10/10
17/10
24/10
20/01
26/01
03/02
10/02
17/02
24/02
03/02
10/03
17/03
24/03
31/03
07/04
09/04

4. IMPLEMENTATION

4.1 Implementation

We implemented “Study-Academy” website on the localhost. We run the website on chrome browser. Whole website working as we expected. These have 3 roles admin, faculty, and students.

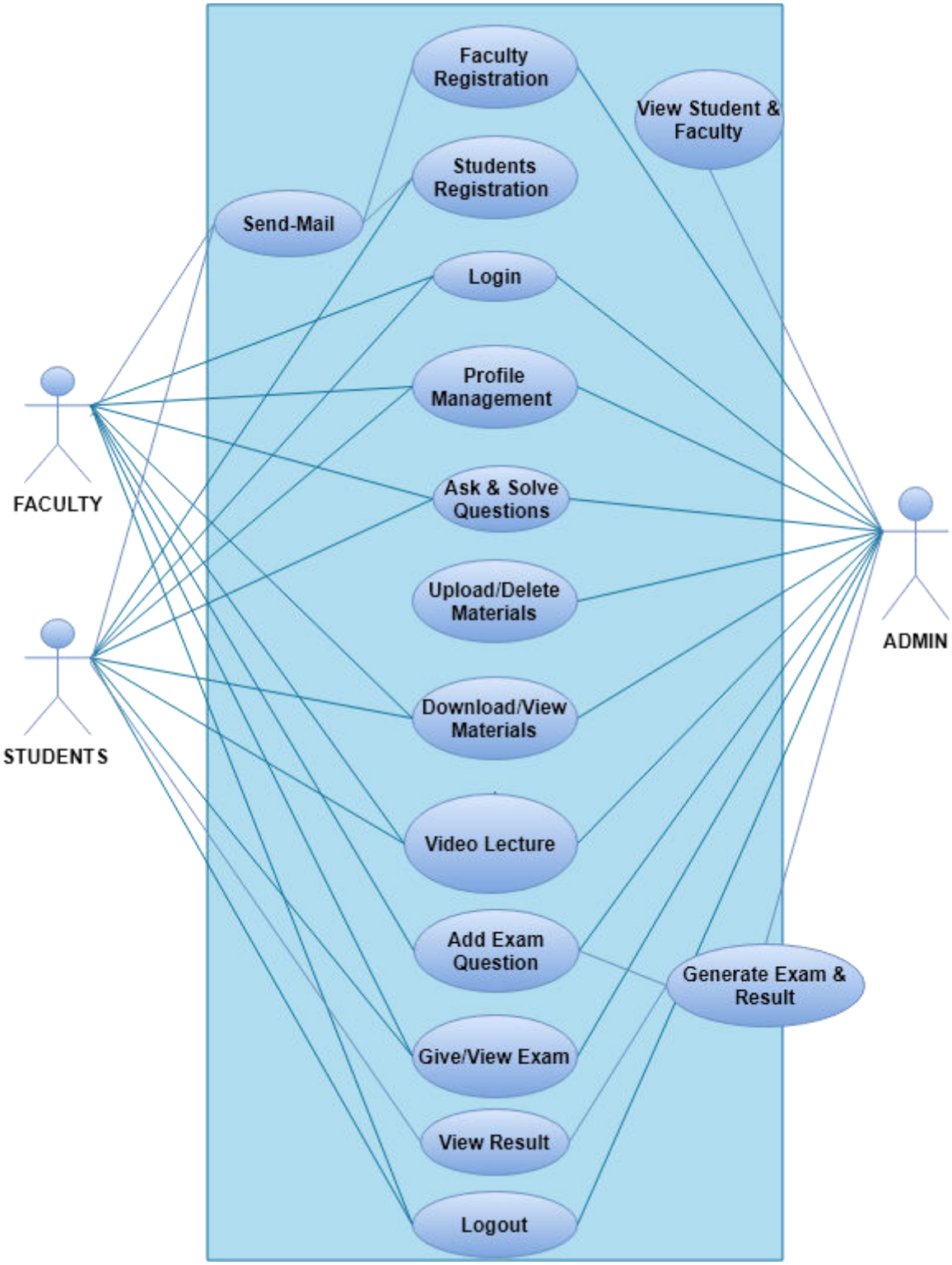
First, we run the Faculty panel. We give all the control to Faculty panel. Faculty needs to login, if login details are correctly then redirect to dashboard of admin.in the dashboard there is a simple counting of students, materials, and lectures, etc. In the header there is the links are given to access all the pages. Faculty can view students and update students by department-wise and semester-wise. Faculty can upload materials like pdf files and view files which are uploaded by department-wise and semester-wise. Then Faculty Then can upload lectures and YouTube videos id and view which are uploaded. In the questions page, the questions asked by students according to lectures are view, and delete by faculty. Faculty can also answer the questions. Faculty add MCQ questions, options, and answers for exam in the exam group and view them, and can update questions, options, and answers, and delete questions. Faculty must add timing of exam.And, can change it before exam.

Second, we tested admin panel. Admin can do all things which can descried in the faculty panel. But admin can do extra activities also. Admin add faculty, update, view, and delete faculty. Admin can create exam groups by exam. And, admin can update view and delete operations on groups.

Third, we student panel, students first registration and after then can login by correct details. After login success redirect to dashboard Students, are login as their department. So, they can easily get materials, lectures according to departments and semester wise. Students can view them if any questions, they can ask questions, and view answers of it.

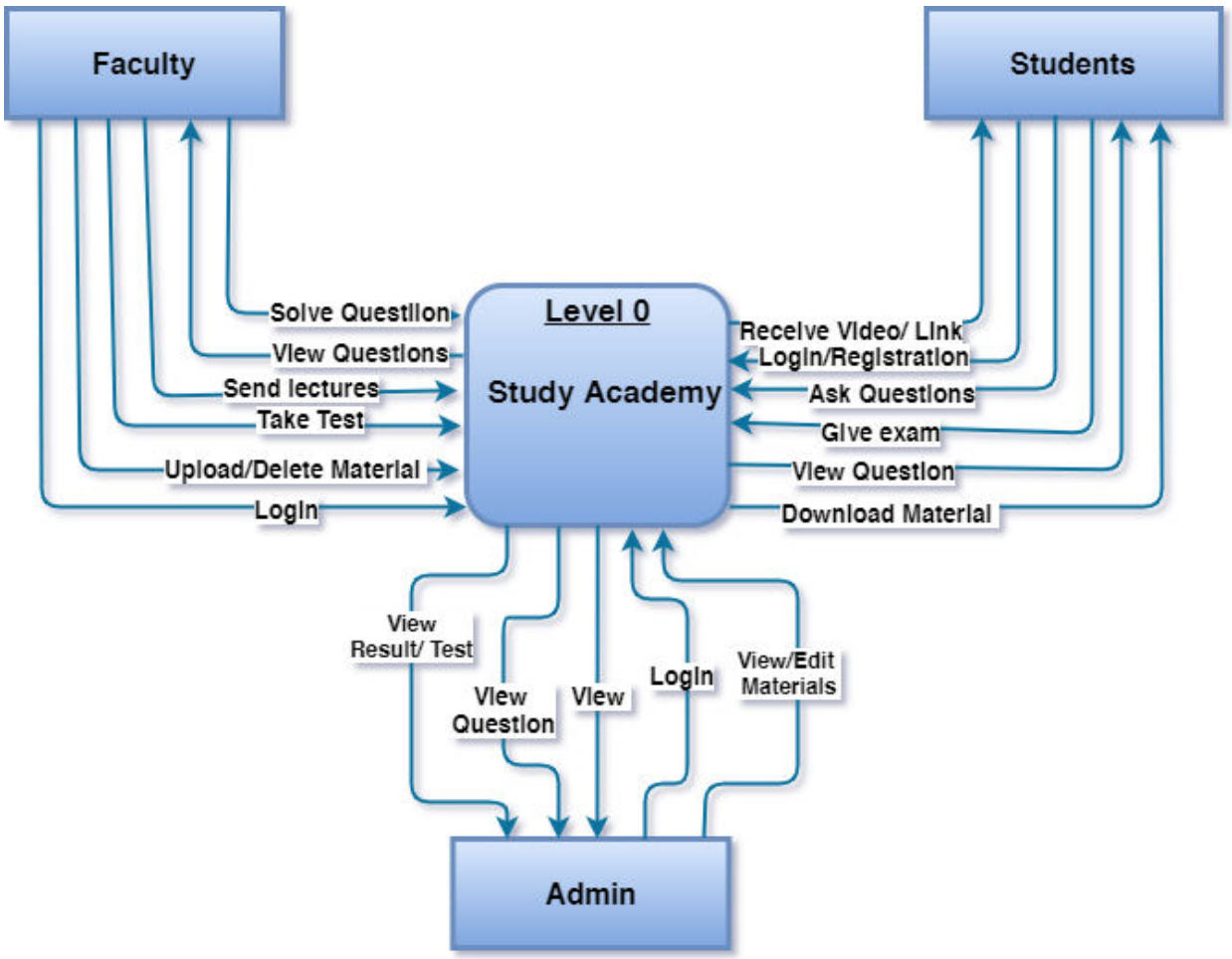
5. SYSTEM MODELLING

5.1 Use Case Diagram

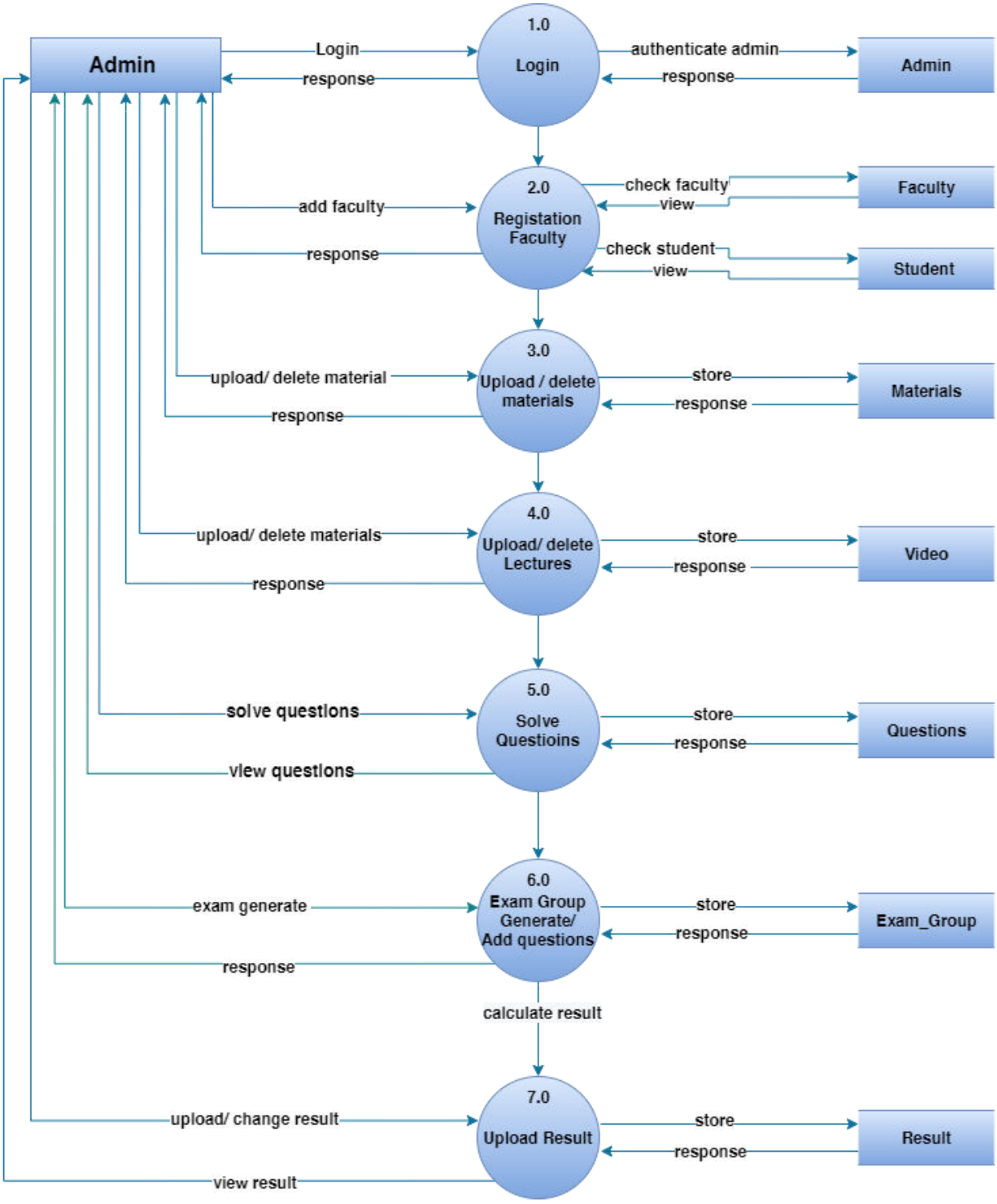


5.2 Data Flow Diagram

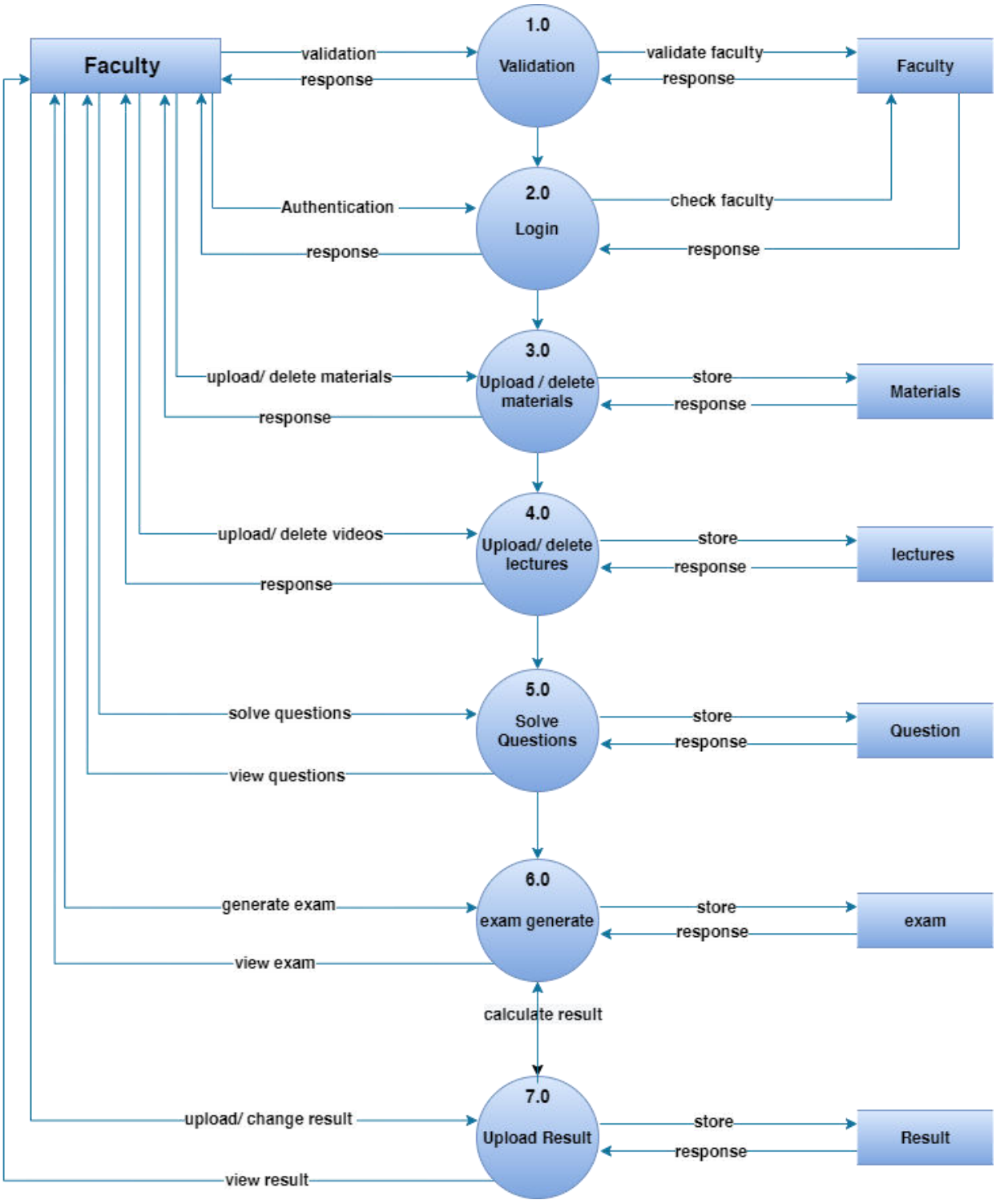
5.2.1 Context level DFD (Level 0)



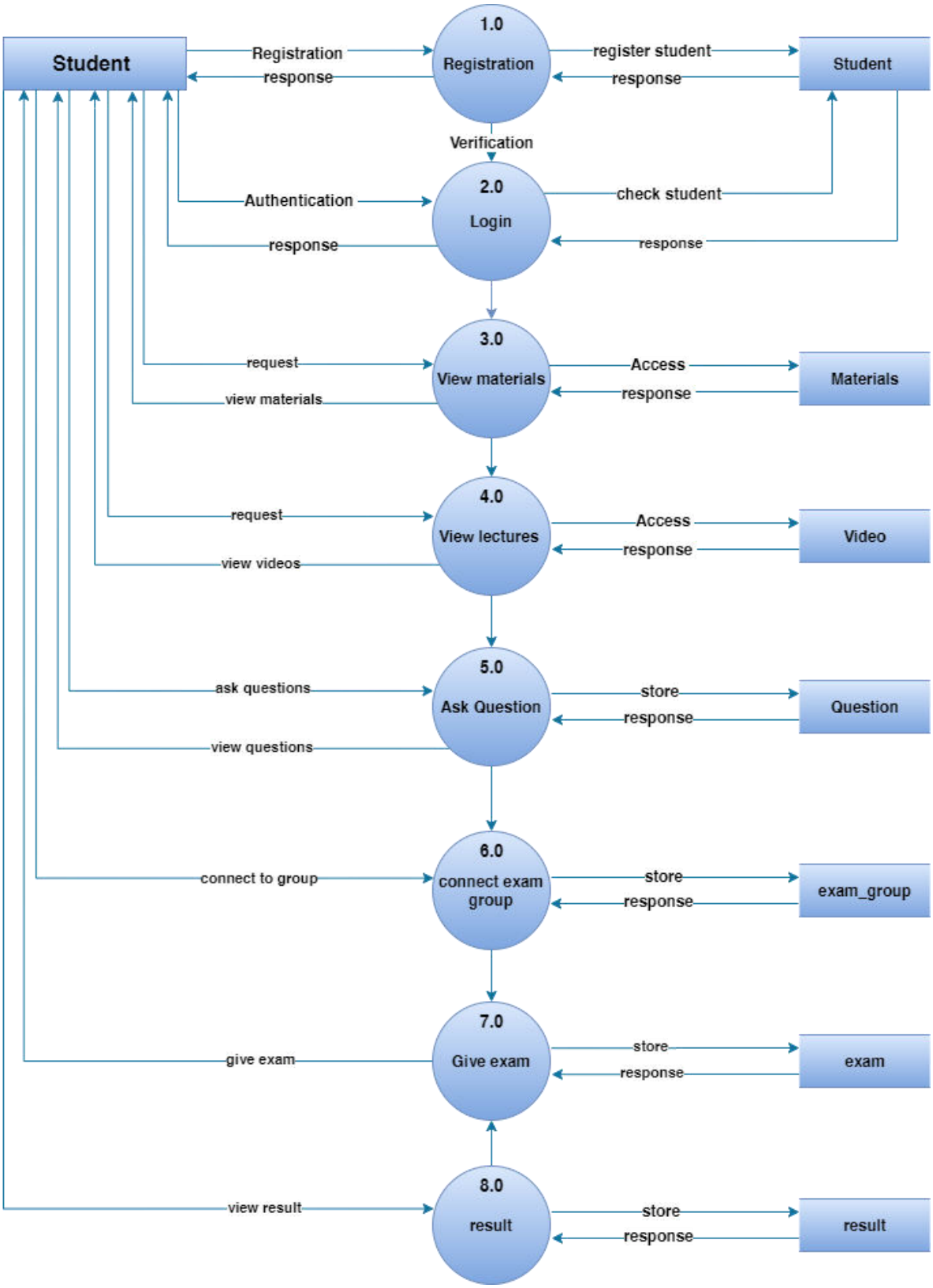
5.2.2 Level 1 DFD for ADMIN



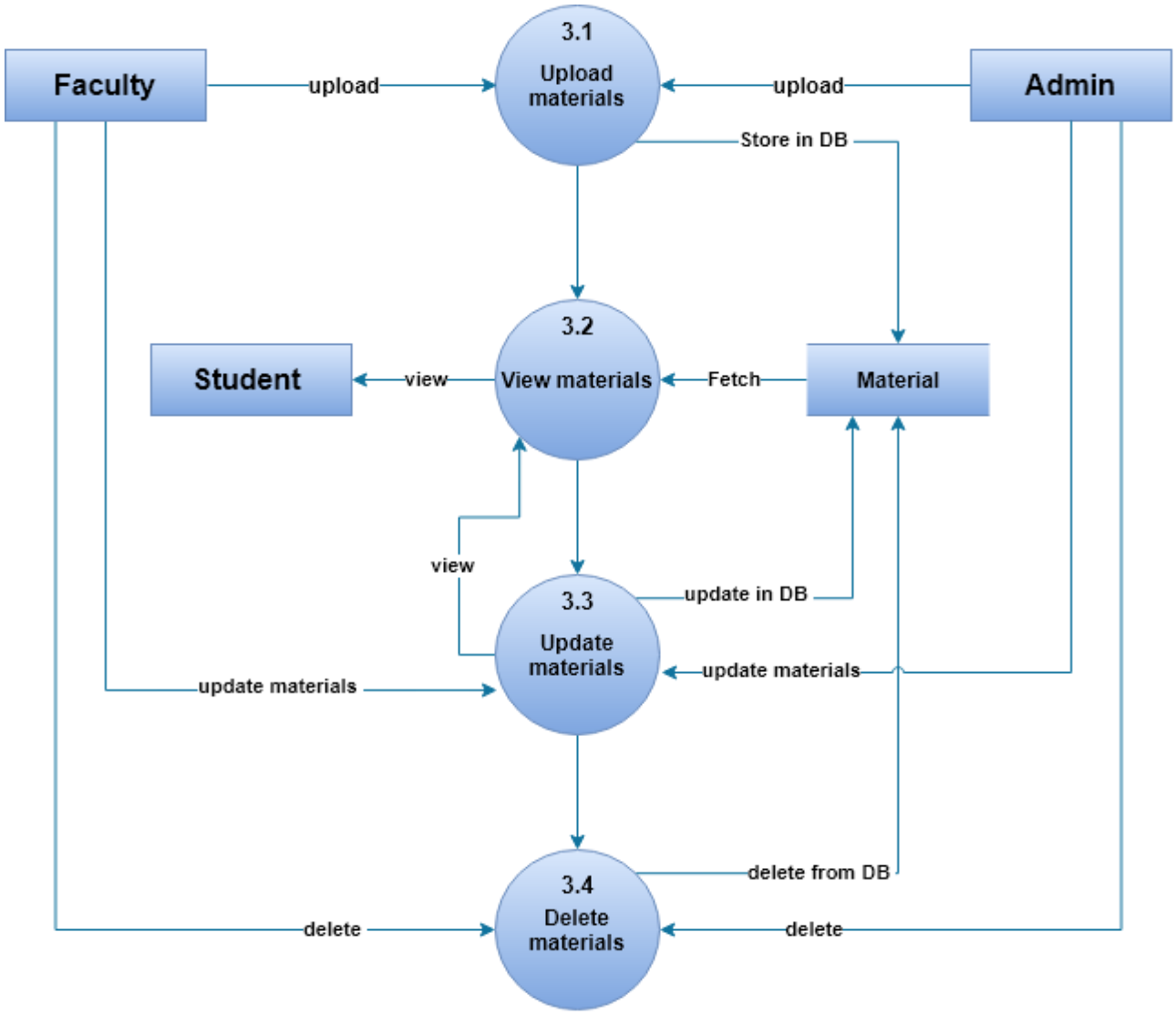
5.2.3 Level 1 DFD for FACULTY



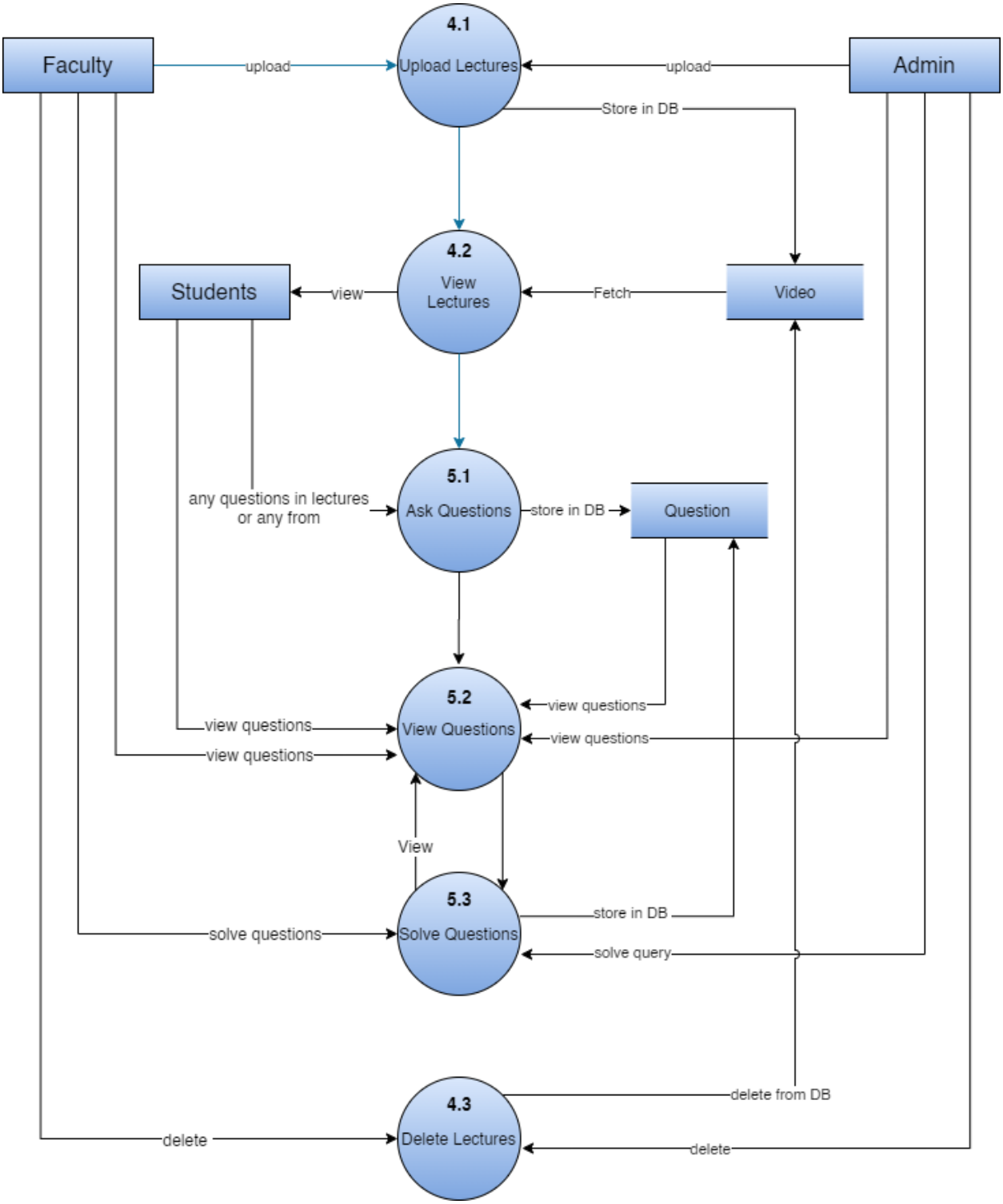
5.2.4 Level 1 DFD for STUDENT



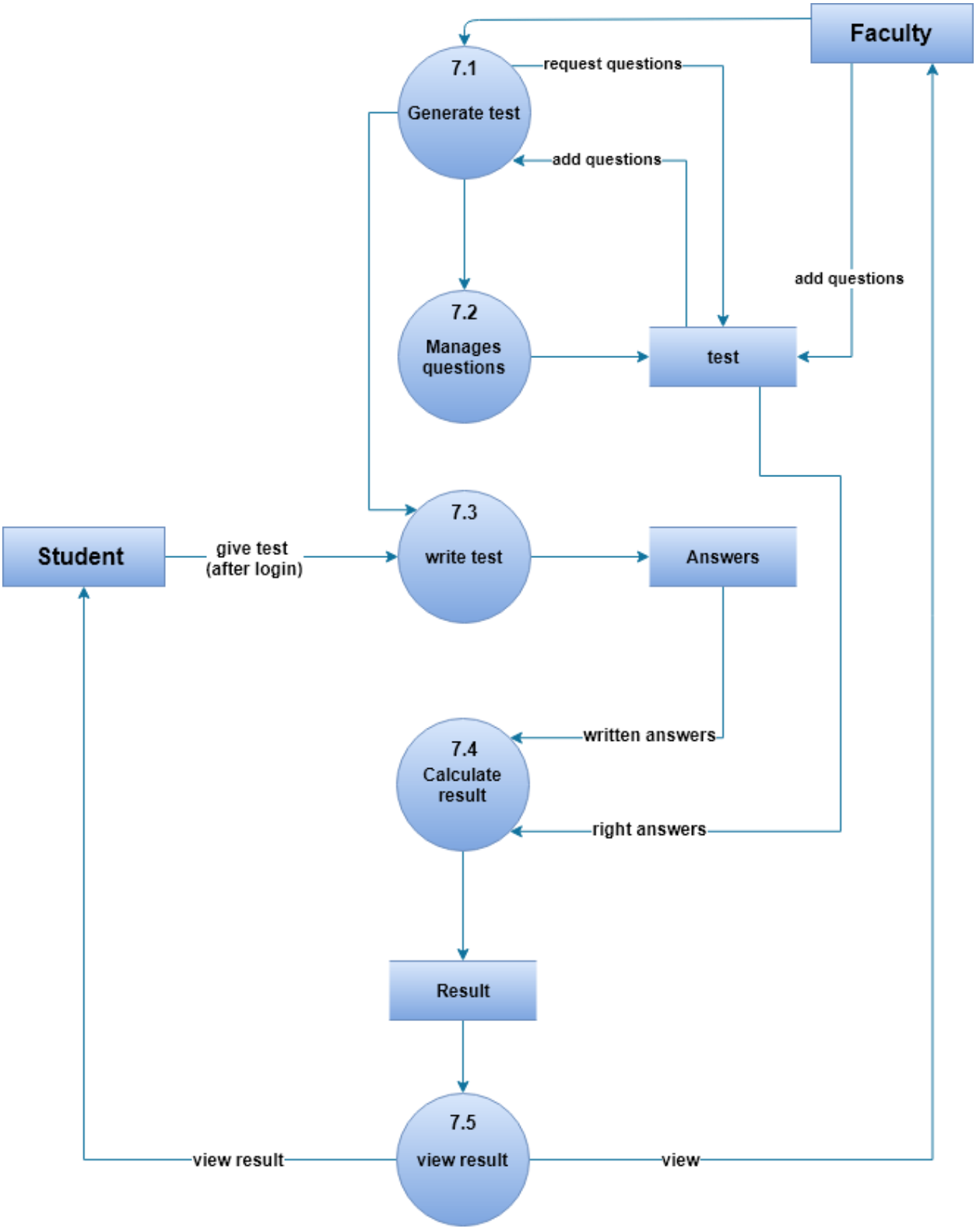
5.2.5 Level 2 DFD for MATERIALS



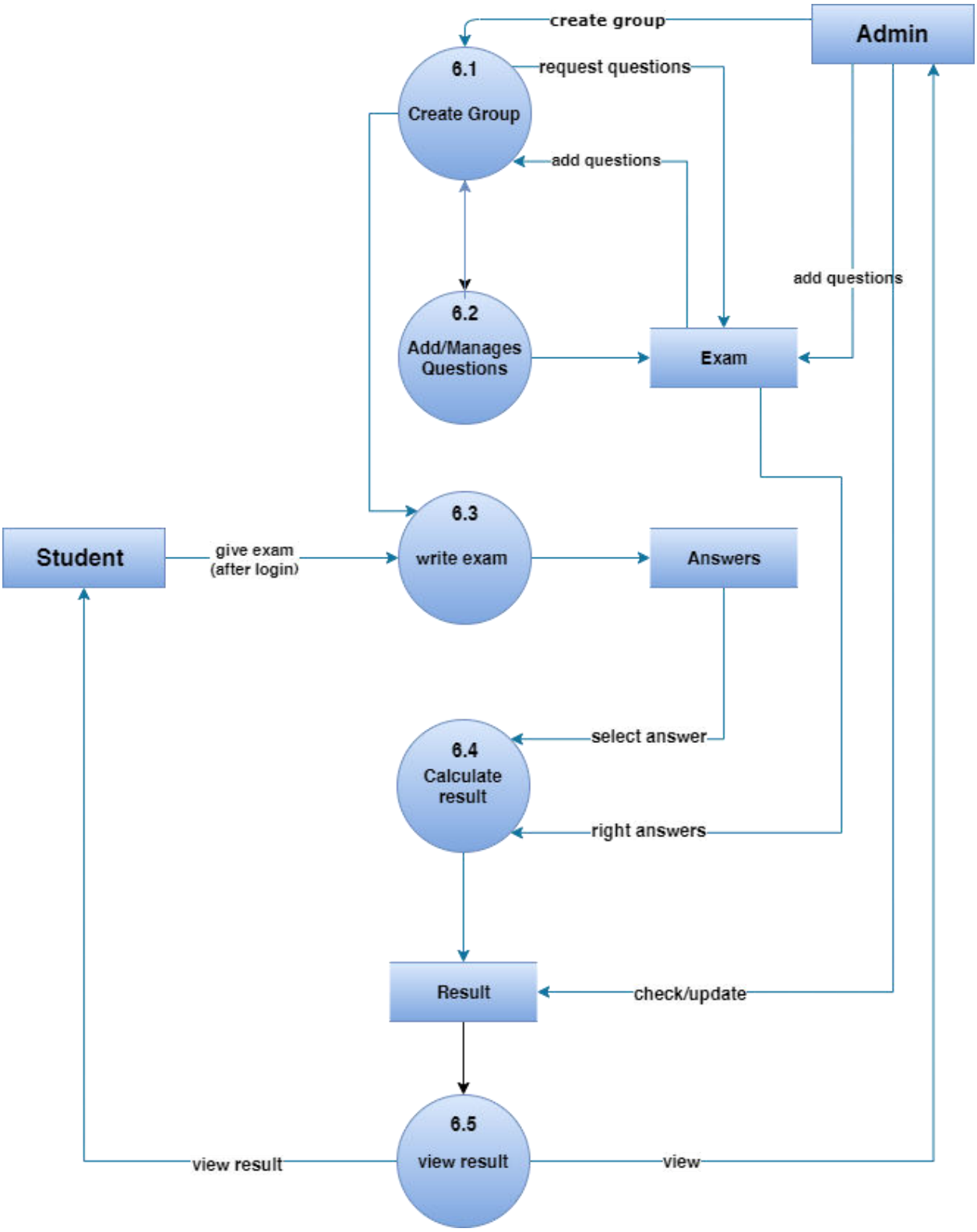
5.2.6 Level 2 DFD for Lectures



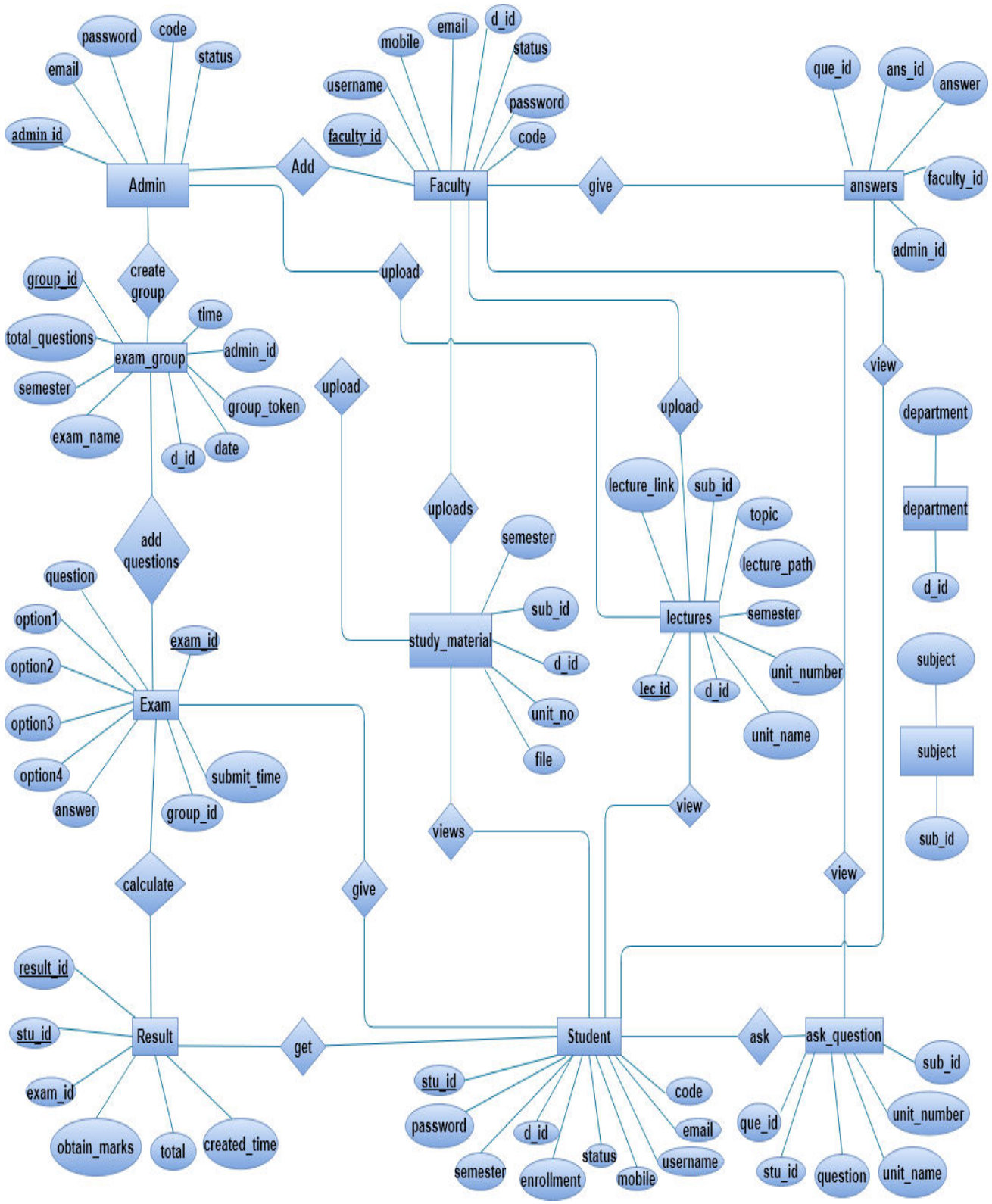
5.2.7 Level 2 DFD for FACULTY



5.2.8 Level 2 DFD for EXAM

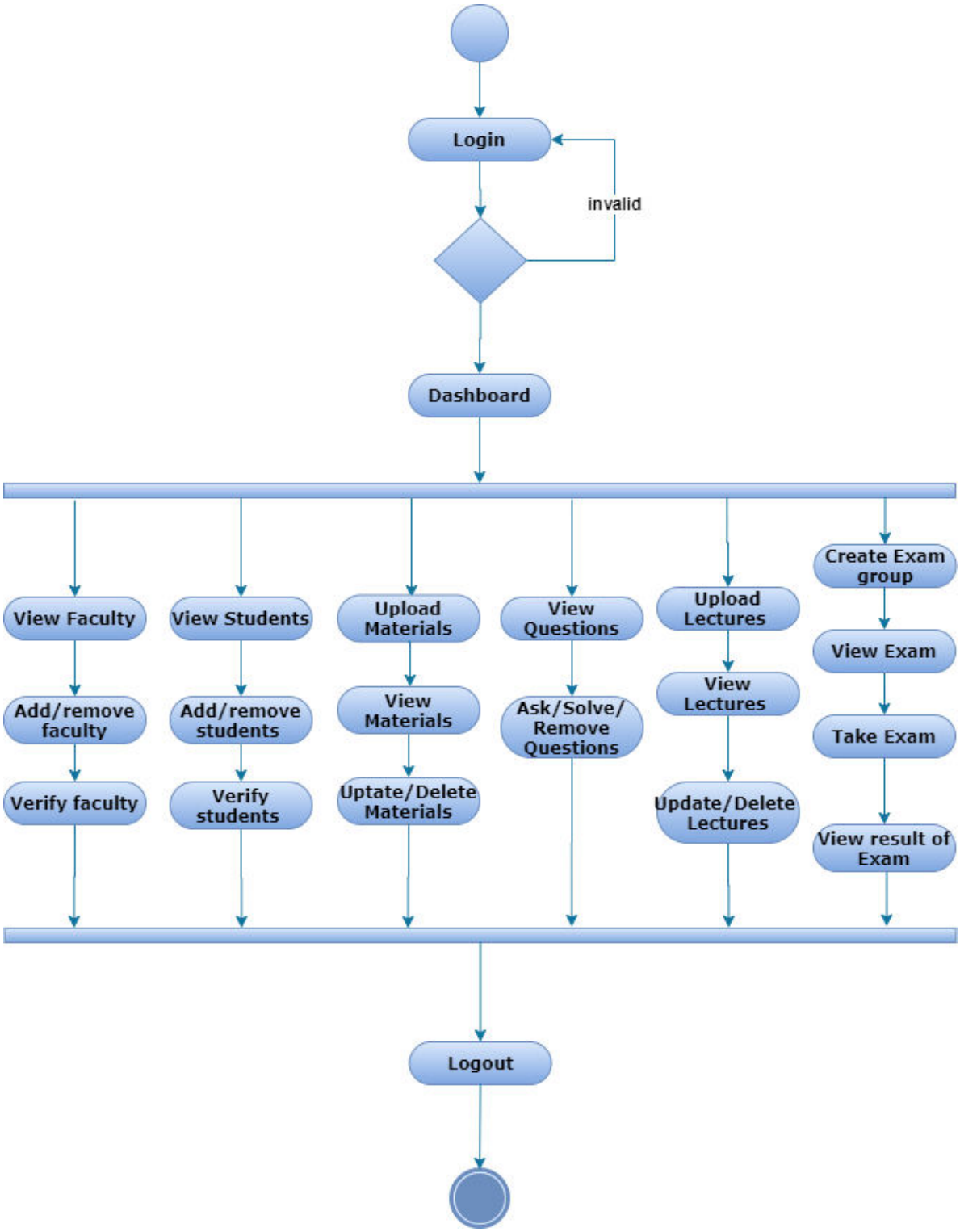


5.3 E-R Diagram

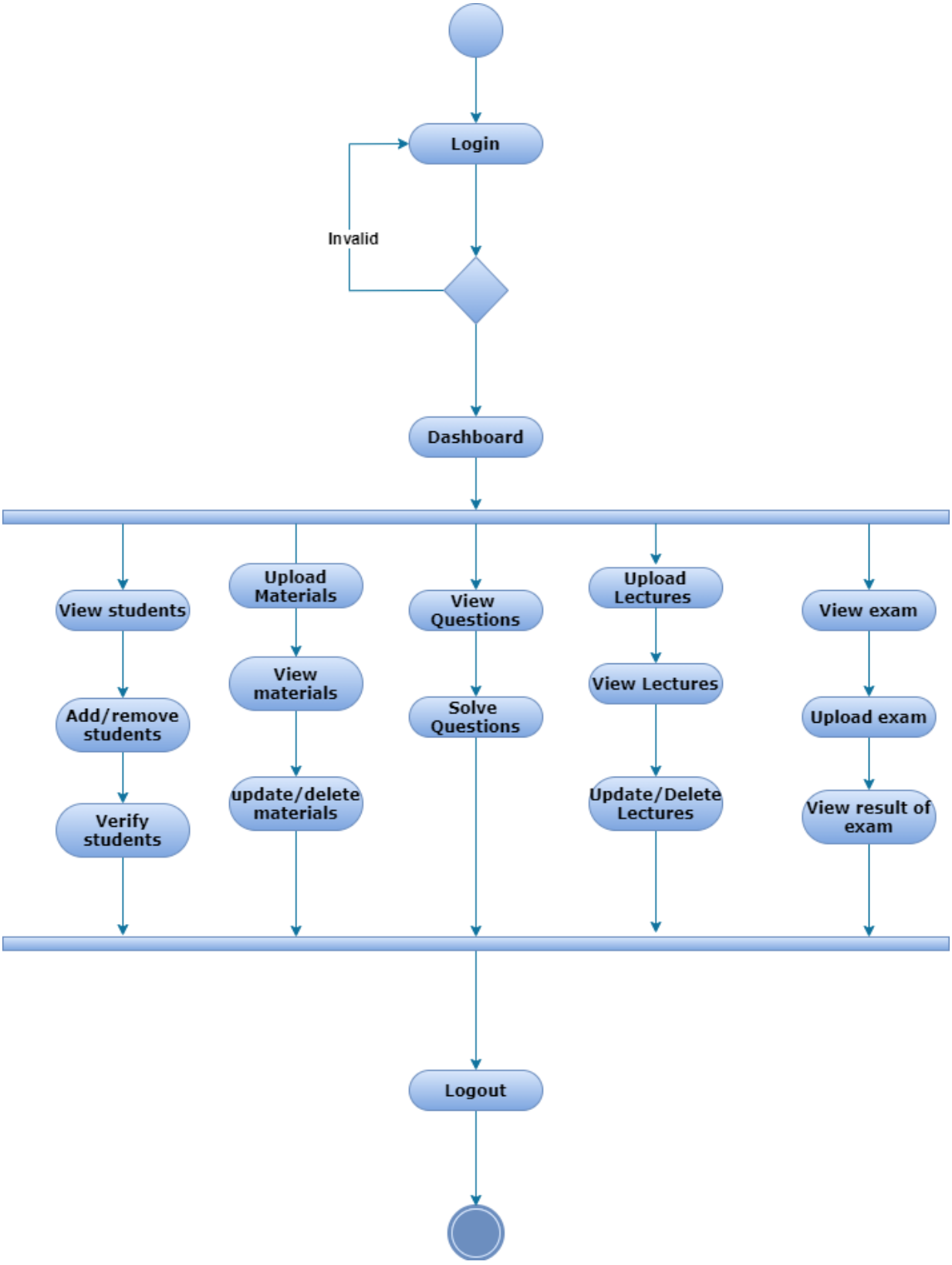


5.4 Activity Diagram

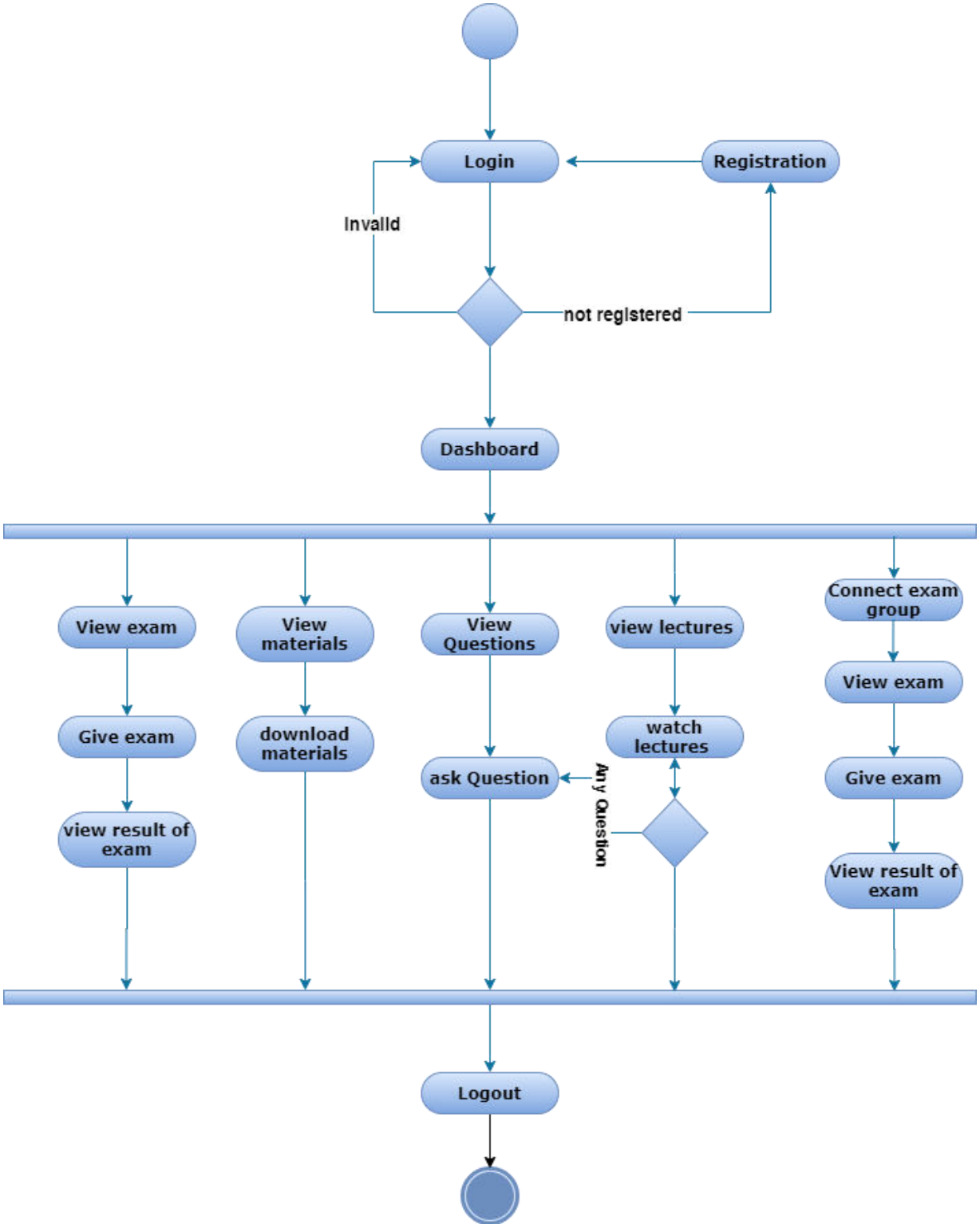
5.4.1Admin



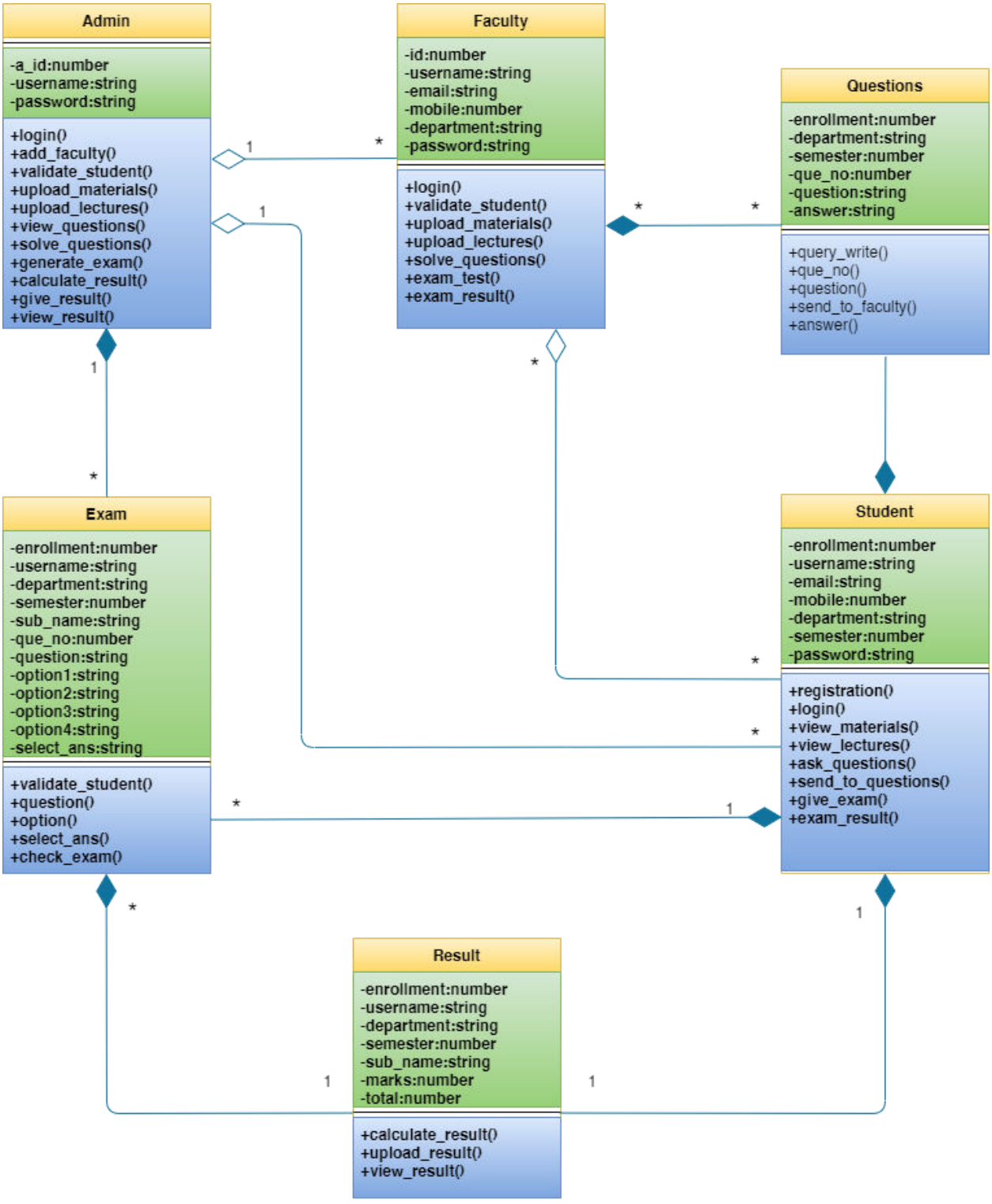
5.4.2 Activity Diagram for Faculty



5.4.3 Activity Diagram for Student

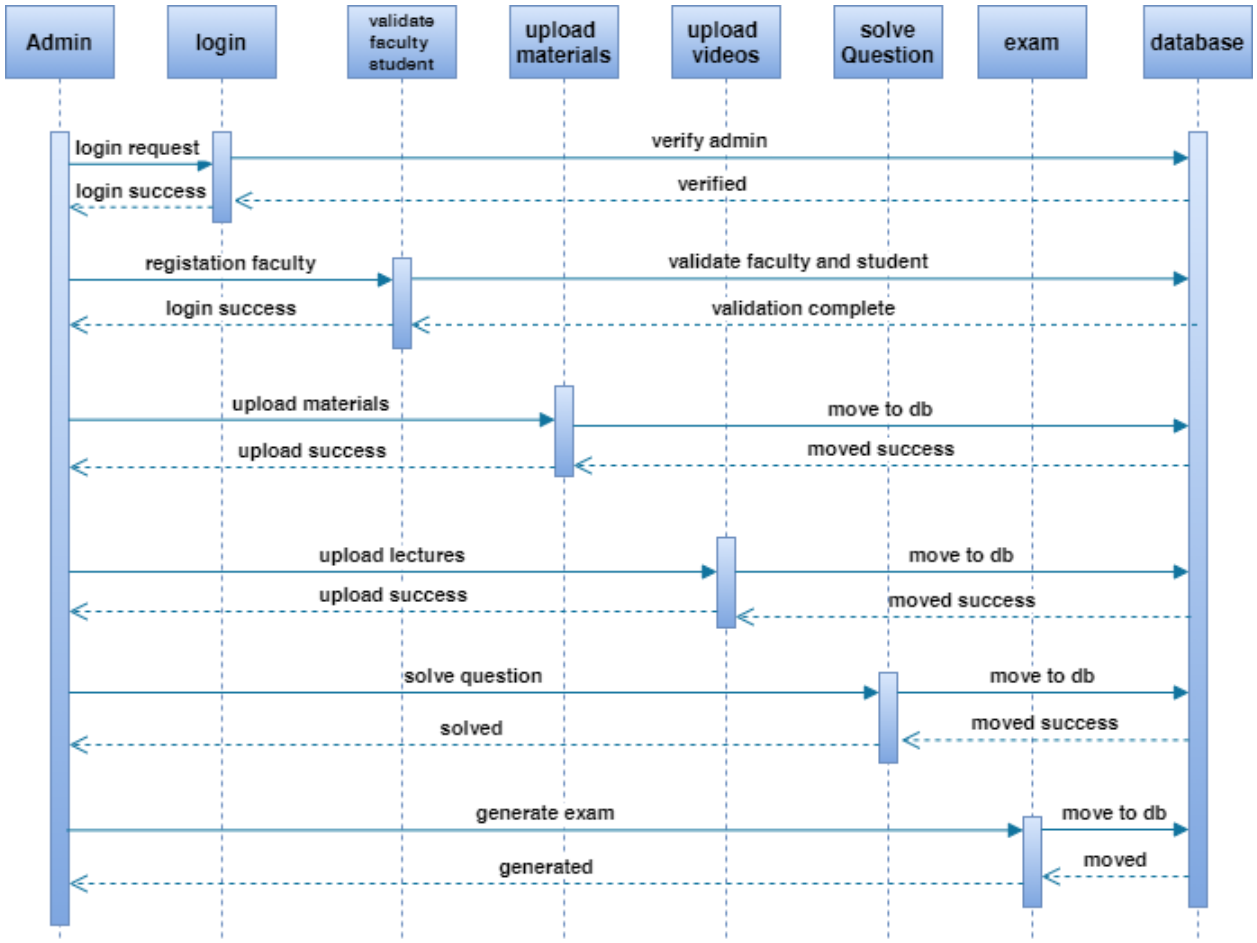


5.5 Class Diagram

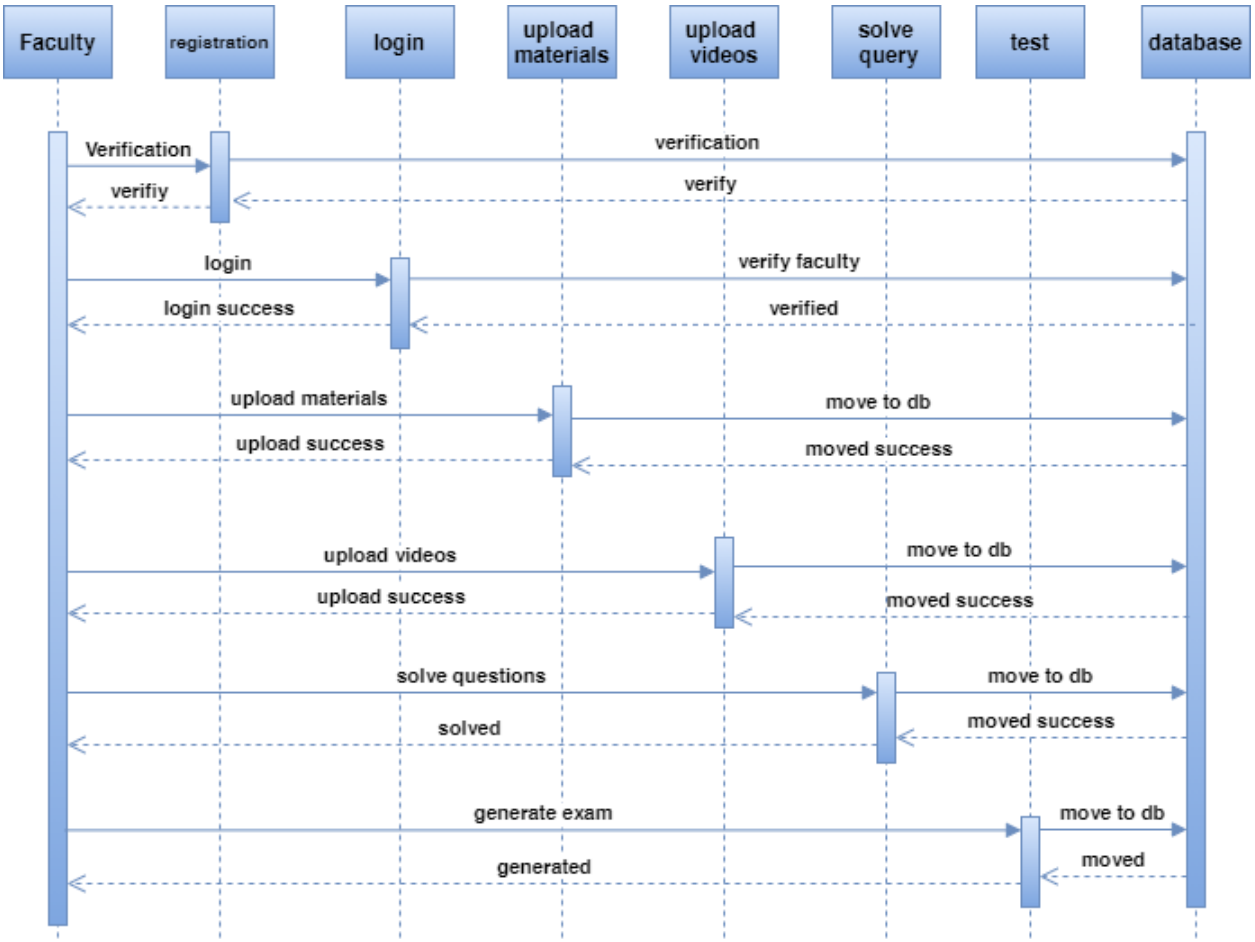


5.6 Sequence Diagram

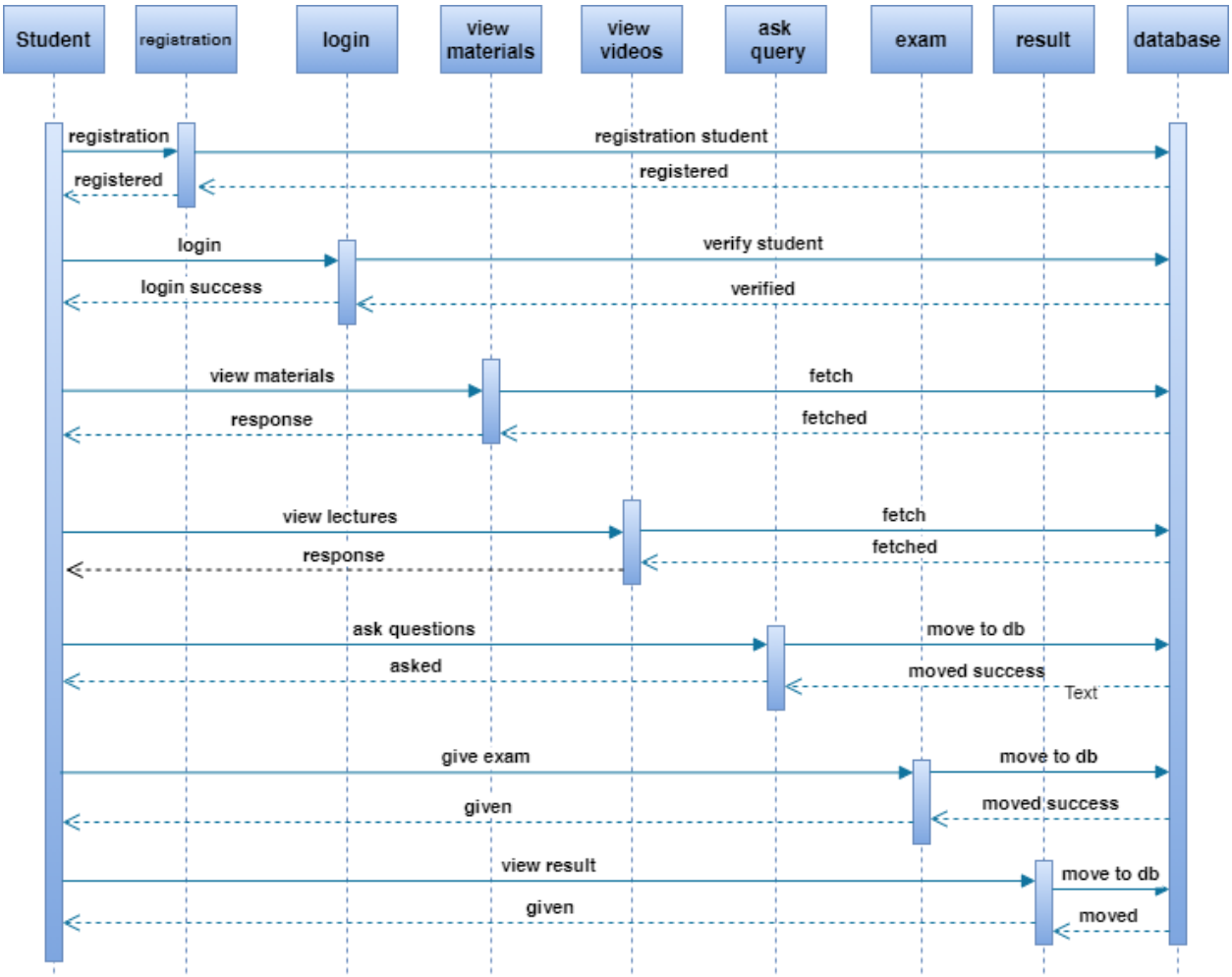
5.6.1 Sequence Diagram for Admin



5.6.2 Sequence Diagram for Faculty



5.6.3 Sequence Diagram for Student



6. DATA MODELING AND DESIGN

6.1 Data Dictionary

Table No 1: - admin

Column Name	Type	Size	Constrains	Description
admin_id	Int	25	pk,Ai	Admin Id
email	Varchar	250	not null	Admin Email
password	Varchar	255	not null	Password
code	MediumInt	50	not null	Code
status	Varchar	50	not null	Status
create_time	Datetime		current_ timestamp()	Create-Time
update_time	Datetime		notnull	Update-Time

Table No 2: -faculty

Column Name	Type	Size	Constrains	Description
faculty_id	Int	25	pk, Ai	Faculty Id
username	Varchar	250	not null	Faculty Name
email	Varchar	250	not null	Faculty Email
mobile	BigInt	20	not null	Mobile No
d_id	Int	25	foreign key	Dpt-id
password	Varchar	250	not null	Password
code	MediumInt	50	not null	Code
status	Varchar	50	not null	Status
create_time	Datetime		current_ timestamp()	Create-Time
update_time	Datetime		notnull	Update-Time

Table No 3:-student

Column Name	Type	Size	Constrains	Description
stu_id	Int	25	Pk,Ai	Student-Id
enrollment	BigInt	50	Uk, notnull	Enrollment No
username	Varchar	250	not null	Student Name
email	Varchar	250	not null	Student Email
mobile	BigInt	20	not null	Mobile No
d_id	Int	25	foreign key	Dpt-id
semester	Int	10	not null	Semester
password	Varchar	250	not null	Password
code	MediumInt	50	not null	Code
status	Varchar	50	not null	Status
create_time	Datetime		current_ timestamp()	Create-Time
update_time	Datetime		notnull	Update-Time

Table No 4:-department

Column Name	Type	Size	Constrains	Description
d_id	Int	25	Pk,not null	Dpt-id
department	Varchar	255	not null	Department- Name

Table No 5:-subject

Column Name	Type	Size	Constrains	Description
sub_id	Int	25	Pk,not null	Subject-id
subject	Varchar	255	not null	Subject- Name

Table No 6:-study_materials

Column Name	Type	Size	Constrains	Description
material_id	Int	25	Pk,Ai	Materical-id
d_id	Int	25	foreign key	Dpt-id
semester	Int	10	not null	Semester
sub_id	Int	25	Foreing key	Subject-Id
unit_number	Varchar	255	not null	Unit-Number
unit_name	Varchar	255	not null	Unit- Name
topic	Varchar	255	not null	Topic-Name
file	Varchar	255	not null	File
create_time	Datetime		current_ timestamp()	Create-Time
update_time	Datetime		not null	Update-Time

Table No 7:- lectures

Column Name	Type	Size	Constrains	Description
lec_id	Int	25	Pk,not null	Lecture-id

d_id	Int	25	foreign key	Dpt-id
semester	Int	10	not null	Semester
sub_id	Int	25	Foreing key	SubjectId
unit_number	Varchar	255	not null	Unit-Number
unit_name	Varchar	255	not null	Unit-Name
topic	Varchar	255	not null	Topic-Name
lecture_link	Varchar	255	not null	Lecture-Link
create_time	Datetime		current_ timestamp()	Create-Time
update_time	Datetime		notnull	Update-Time

Table No 8:-result

Column Name	Type	Size	Constrains	Description
result_id	Int	25	pk, Not null	Result-id
exam_id	Int	25	foreign key	Exam Id
enrollment	BigInt	50	foreign key	Enrollment-No
sub_id	Int	25	Foreing key	Subject-Id
right_ans	Varchar	255	not null	Right answers
wrong_ans	Varchar	255	not null	Wrongs answers
total	Varchar	255	not null	Total
create_time	Datetime		current_ timestamp()	Create-Time

Table No 9: -exam

Column Name	Type	Size	Constrains	Description
exam_id	Int	25	Pk,Ai	Exam-id
group_id	Int	25	foreign key	Group-id
question	Varchar	255	not null	Question
option1	Varchar	255	not null	Option 1
option2	Varchar	255	not null	Option 2
option3	Varchar	255	not null	Option 3
option4	Varchar	255	not null	Option 4
answer	Varchar	255	not null	Answer
submit_time	Datetime		current_ timestamp()	Submit-Time

Table No 10:-ask_question

Column Name	Type	Size	Constrains	Description
que_id	Int	25	pk, not null	Question-id
enrollment	BigInt	50	foreign key	Enrollment-No
sub_id	Int	25	Foreing key	Subject-Id
unit_number	Varchar	255	not null	Unit-Number
unit_name	Varchar	255	not null	Unit- Name
question	Varchar	255	not null	Question
answer	Varchar	255	not null	Answer
faculrty_id	Int	25	Foregn key	Answer by faculty

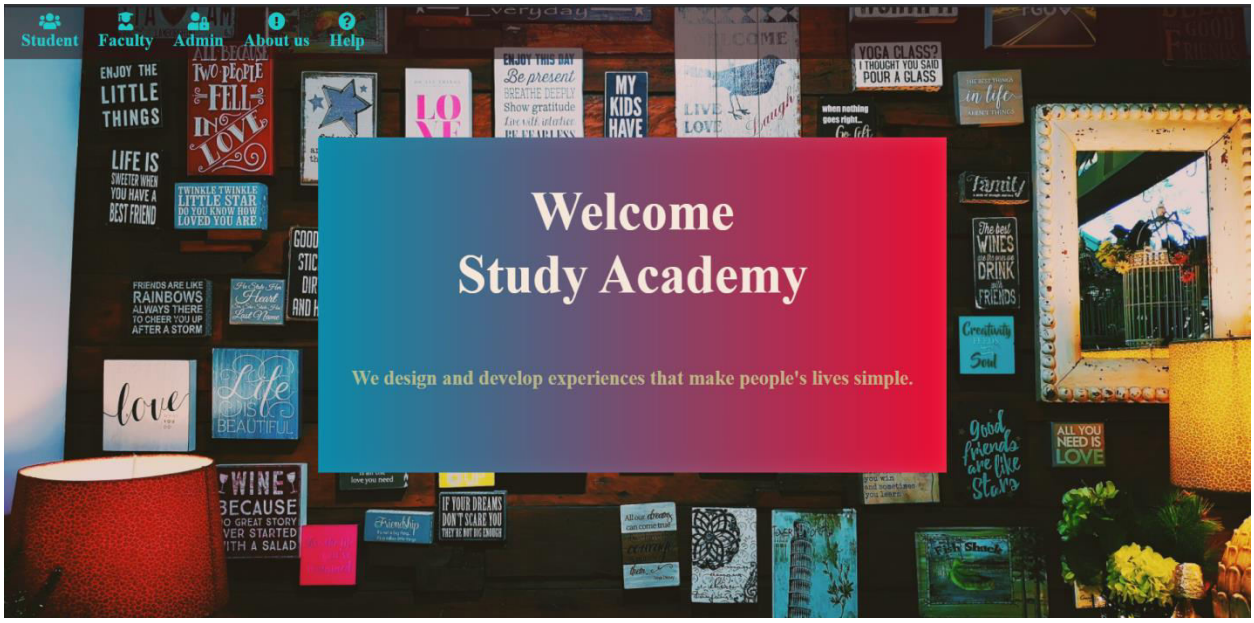
create_time	Datetime	current_ timestamp()	Create-Time
update_time	Datetime	not null	Update-Time

Table No 11: -exam_group

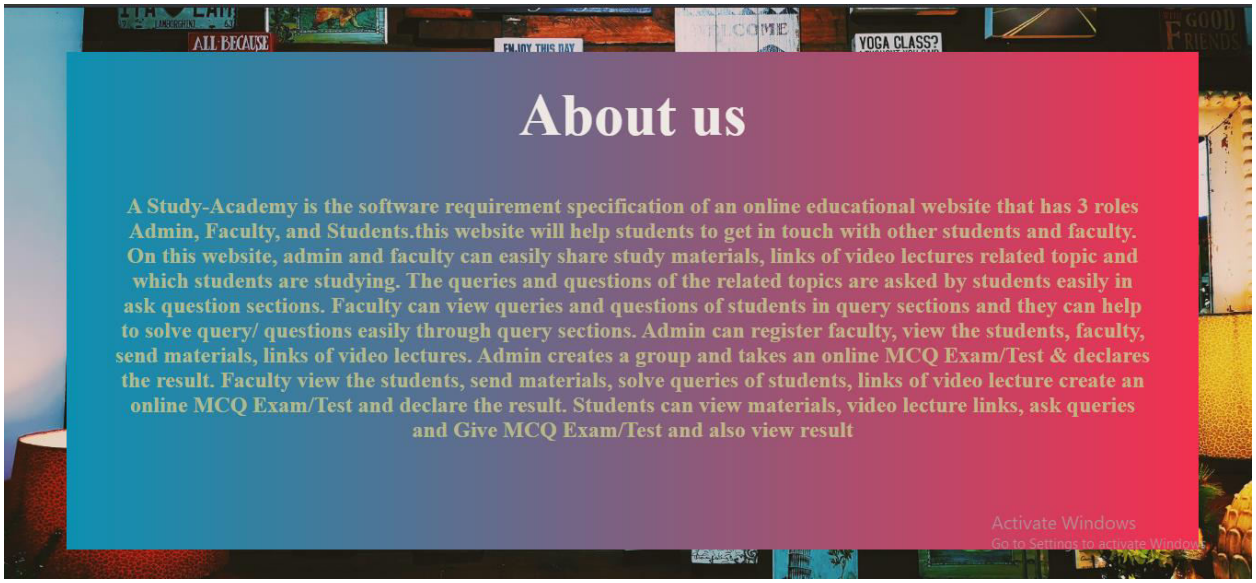
Column Name	Type	Size	Constrains	Description
group_id	Int	25	Pk,Not null	Group-id
d_id	Int	25	foreign key	Dpt-id
semester	Int	10	not null	Semester
exam_name	Varchar	255	not null	Exam- Name
total_questions	Meduimint	20	not null	Total-Question
date	Datetime		not null	Date
time	Datetime		current_ timestamp()	Time
group_token	Varchar	255	Not null	Group-Token
admin_token	Varchar	255	Not null	Admin-Token
create_time	Datetime		current_ timestamp()	Create-Time
update_time	Datetime		not null	Update-Time

6.2 Input/Output and Interface Design

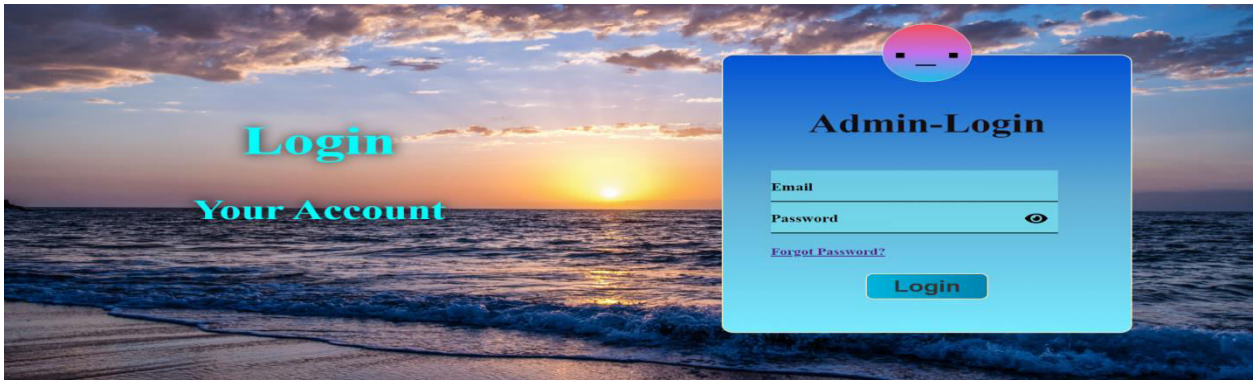
Home Page:-



About us:-

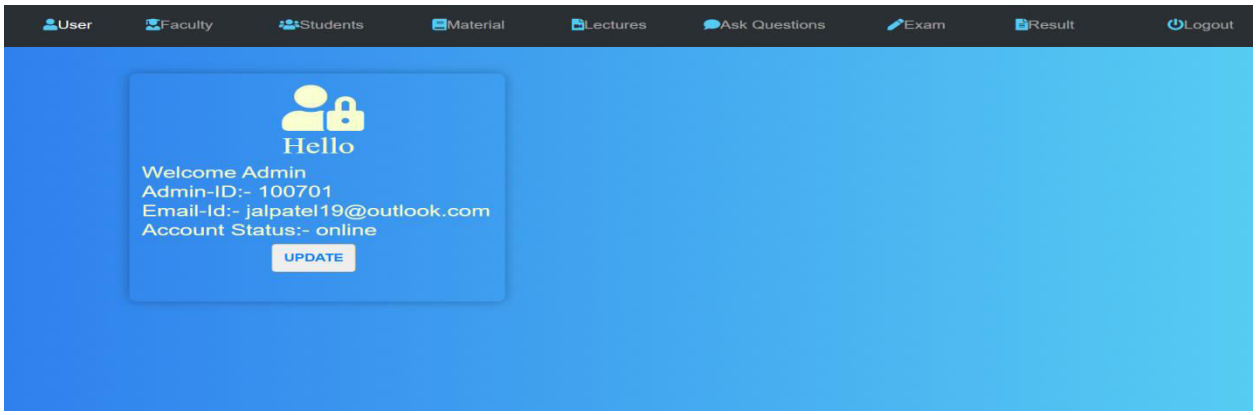


Admin-Login:-

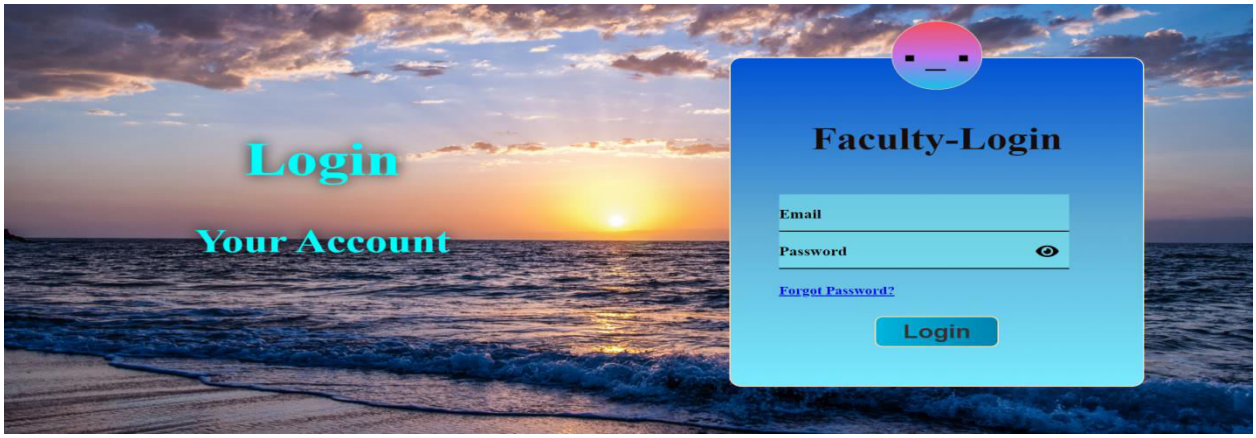


Admin-Verification:-

Admin-Home:-

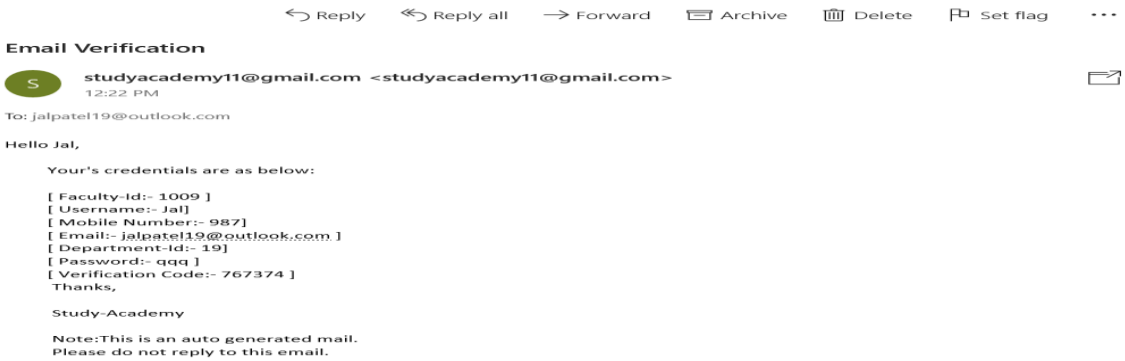


Faculty-Login:-



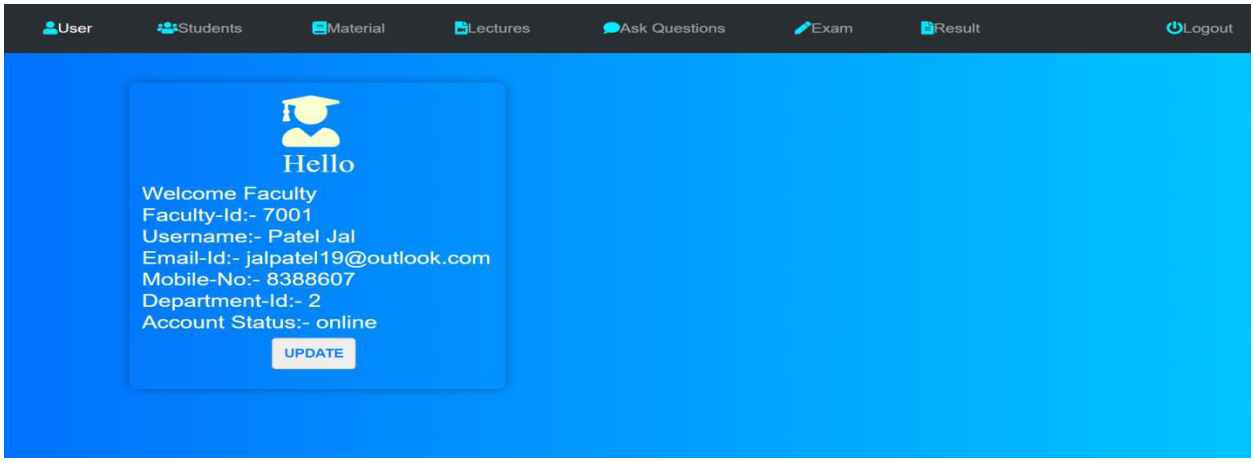
Faculty-Registration:-

Faculty-Mail:-

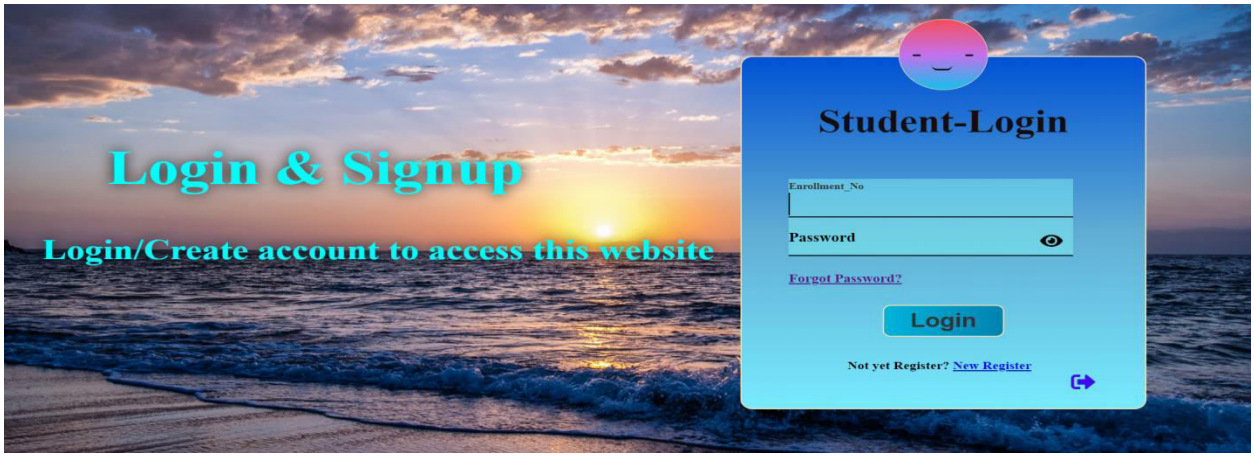


Faculty-Verification:-

Faculty-Home:-



Student-Login:-

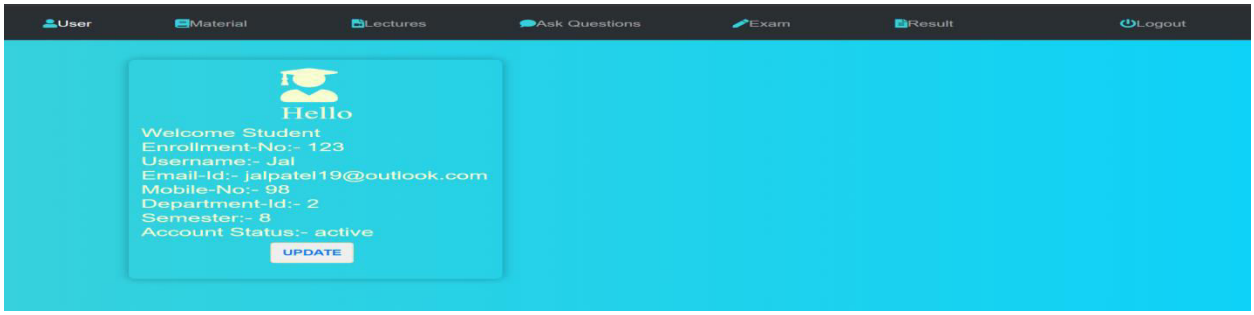


Student-Registration:-

Student-Mail:-

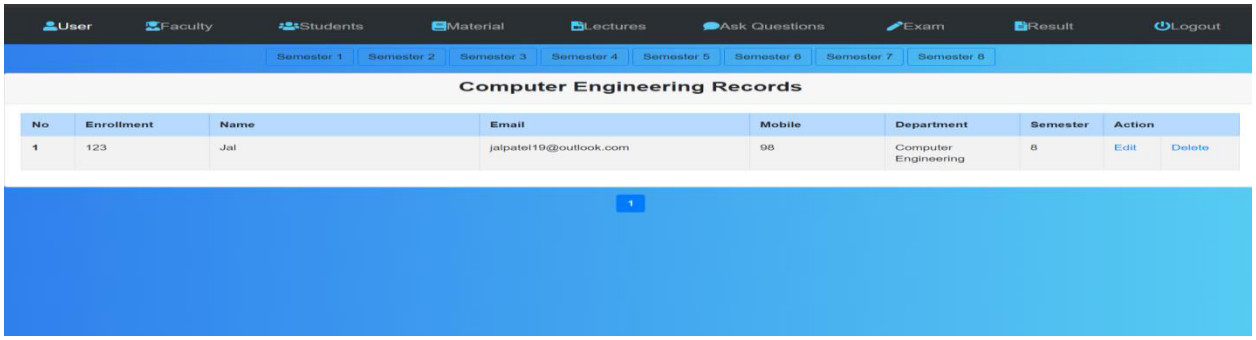
Forgot-Password:-

Student-Home:-

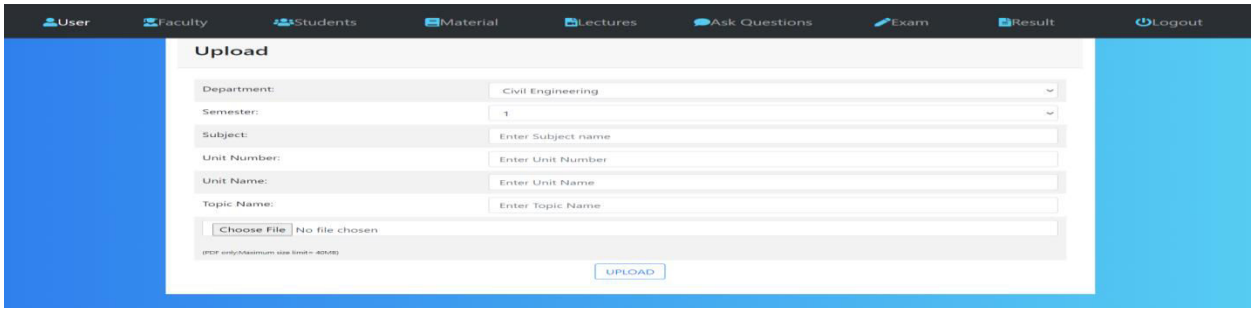


View Faculty:-

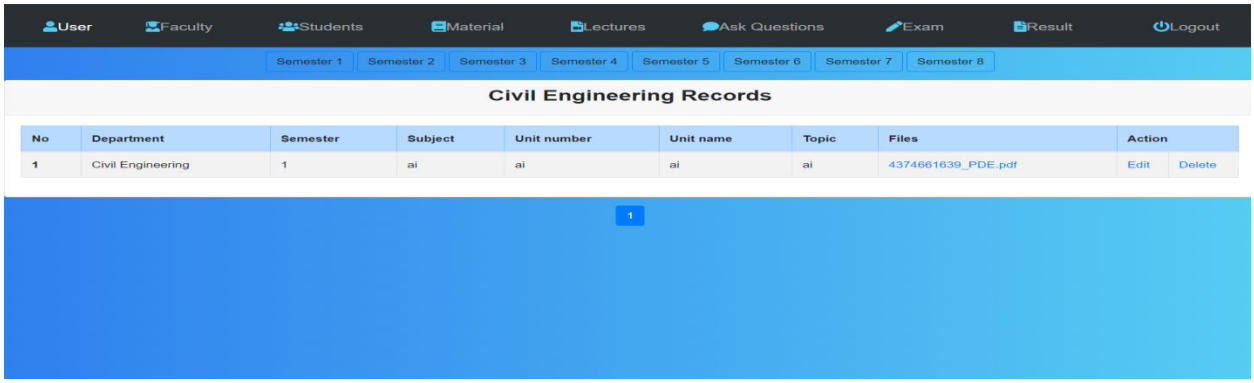
View Student:-



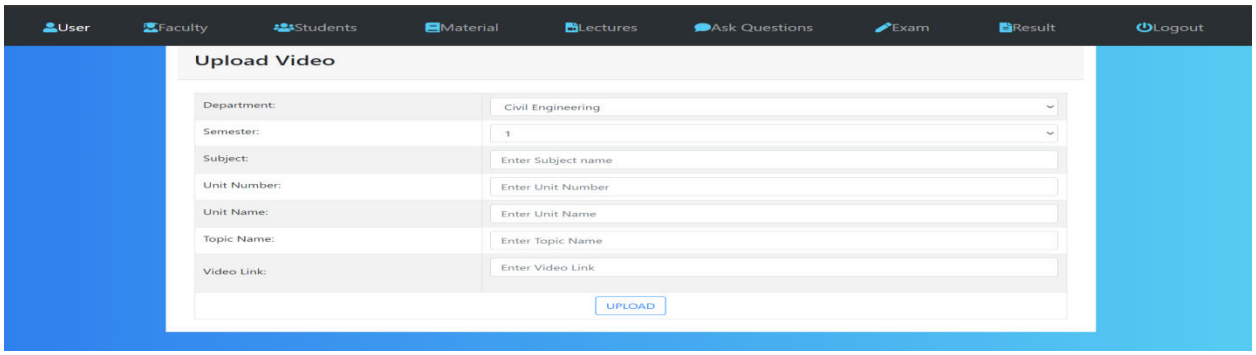
Add Study-Material:-



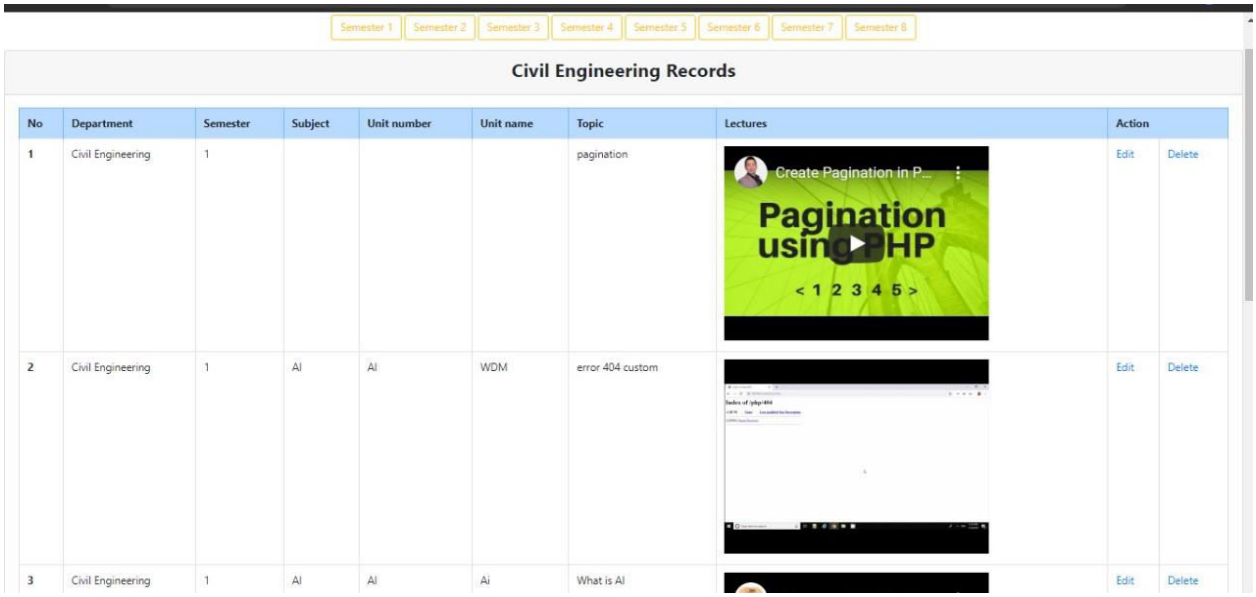
View Study-Material:-



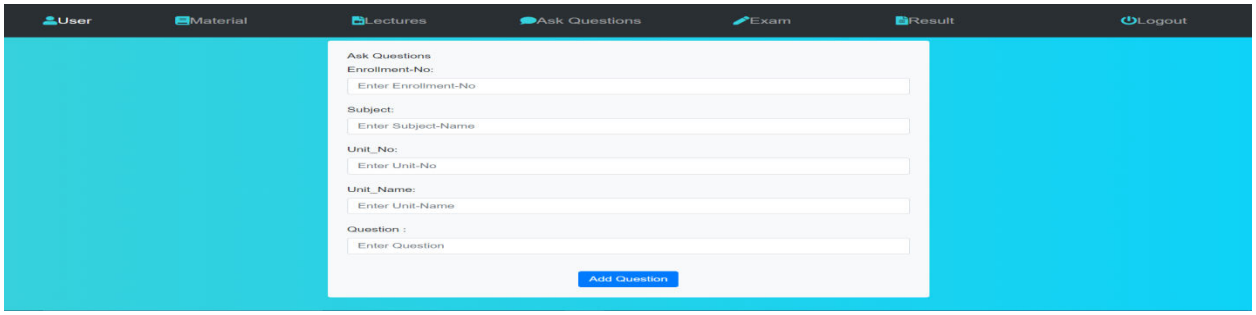
Add Video-Lecture:-



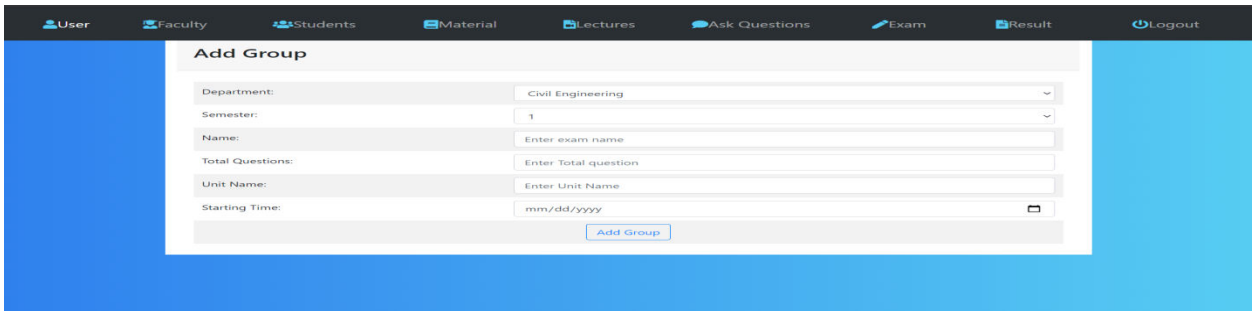
View Video-Lecture:-



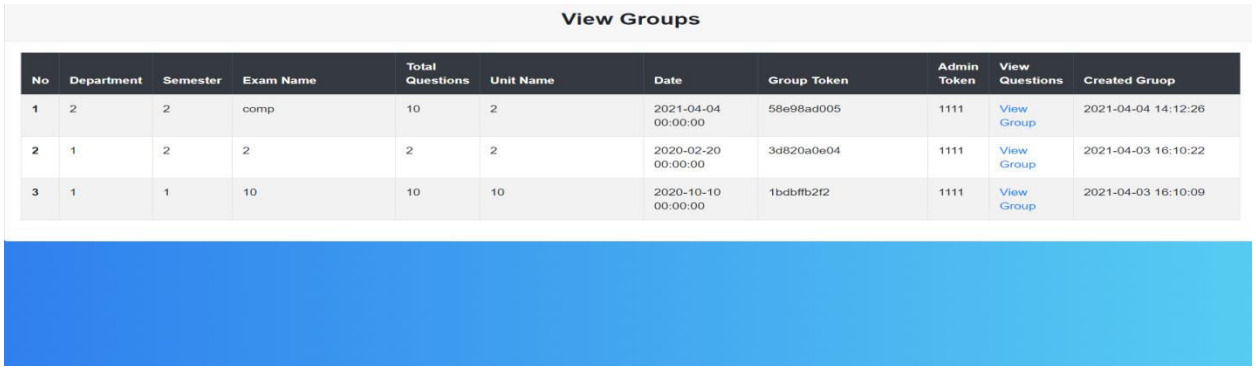
Ask Question:-



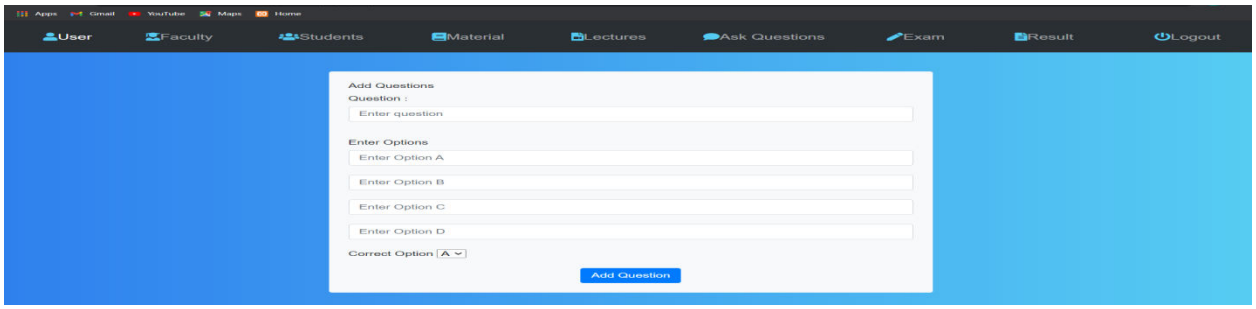
Add Exam-Group:-



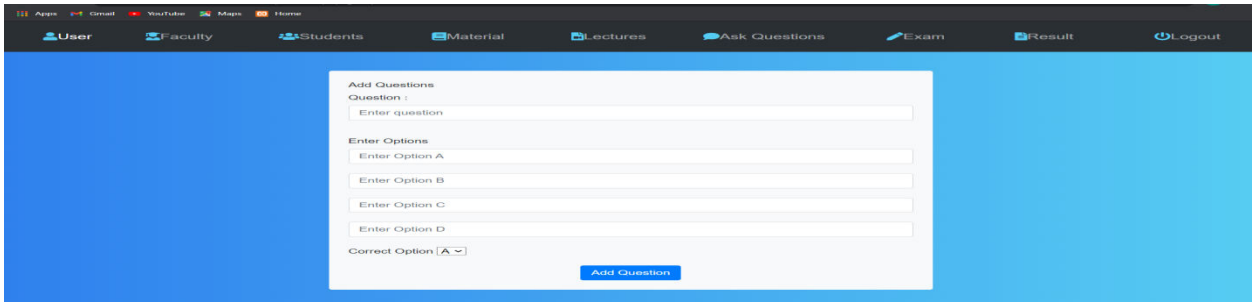
View Group-Detail:-



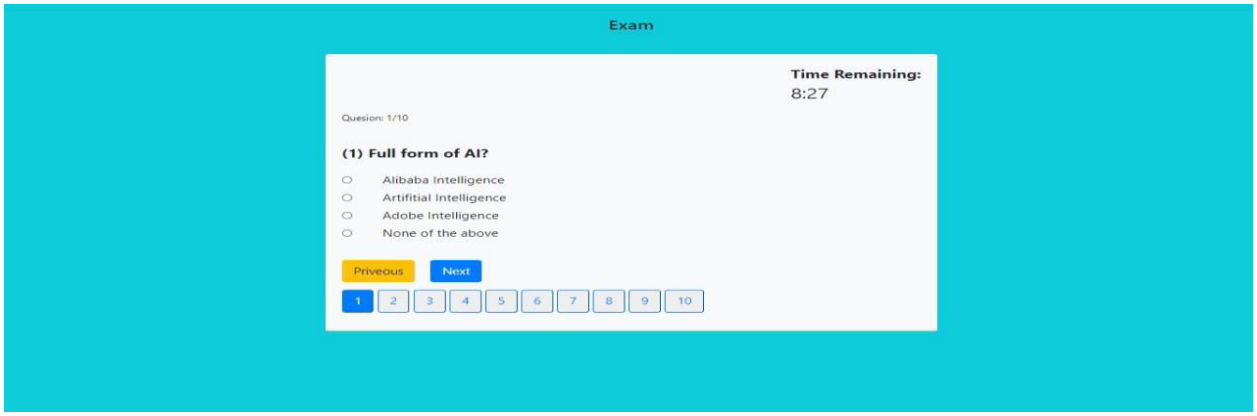
Add Exam Question:-



View Exam Question(Admin):-



View Exam Question(Student):-



7. Testing

Testing is a process of executing a program with the intent of finding an error. If testing is conducted successfully, it will uncover the error in the software. There is one thing that testing cannot do: Testing cannot show the absence of defects, it can only show that software errors that are present. There are several objectives which are as follows:

- Testing is a process of executing a program with the intent of finding an error.
- A good test case is one that has a probability of finding an as undiscovered error.
- A successful test is one that uncovers an as yet undiscovered error.

There are two general approaches for the software testing:

- Black box testing:- Black box testing examines some fundamental aspects of the system with little regard for internal logical structure of the software.
- White box testing:- In white box testing, the procedural details, all the logical paths, all the internal data structures are closely examined.

7.1 Test cases

Test case id	Test case Name	Test case description	Test steps			Test status (Pass/Fail)
			Steps	Expexted	Actual	
1	Login	Ensure that the right user can login to the system.	Enter incorrect /missing user name / email-id or password	Login failed	Login failed	Pass
			Enter correct user name / email-id or password	Login success	Login success	

2	User registration	Ensure that the fields are as per the given criteria	Enter fields that are not as per criteria	Registration failed	Registration failed	Pass
			Enter fields as per criteria	Registration successful	Registration successful	
3	Mail send	Ensure that the fields are as per the given criteria	Enter fields that are not as per criteria	Send failed	Send failed	Pass
			Enter fields that are as per criteria	Send successful	Send Successful	
4	Verification Profile	Ensure that the fields are as per the given criteria	Enter fields that are not as per criteria	Verification failed	Verifiaction failed	Pass
			Enter fields that are as per criteria	Verification successful	Verification successful	
5	View profile	Ensure that the user details are correct	Enter fields that are as per criteria	Send successful	Send successful	Pass
6	Edit Profile	Ensure that the user details are correct	Click on edit profile button, edit details	Edit successful	Edit successful	Pass
7	Forget password	Ensure that the not remember password	Enter correct Email-id	Set new password successful	Set new password successful	Pass
8	Change password	Ensure that the not remember password	Enter new password	Set new password successful	Set new password successful	Pass
9	View Student Record	Ensure that student register	Select correct department and semester	Display Student Record successful	Display Student Record successful	Pass

10	View Faculty Record	Ensure that faculty register	Select correct department	Display Faculty Record successful	Display Faculty Record successful	Pass
11	Add Material	Ensure that the fields are as per the given criteria	Enter fields that are not as per criteria	Add failed	Add failed	Pass
			Enter fields that are as per criteria	Add successful	Add successful	
12	View Material	Ensure that the fields are as per the given criteria	Select fields that are as per criteria	Display successful	Display successful	Pass
13	Delete Material	Ensure that the fields are as per the given criteria	Select fields that are as per criteria	Delete successful	Delete successful	Pass
14	Add Lecture	Ensure that the fields are as per the given criteria	Enter fields that are not as per criteria	Add Failed	Add failed	Pass
			Enter fields that are as per criteria	Add successful	Add successful	
15	View Lecture	Ensure that the fields are as per the given criteria	Select fields that are as per criteria	Display successful	Display successful	Pass
16	Add Ask Question	Ensure that the fields are as per the given criteria	Enter fields that are not as per criteria	Add Failed	Add failed	Pass
			Enter fields that are as per criteria	Add successful	Add successful	
17	View Question	Ensure that the fields are as per the given criteria	Select fields that are as per criteria	Display successful	Display successful	Pass

18	View Answer	Ensure that the fields are as per the given criteria	Select fields that are as per criteria	Display successful	Display successful	Pass
19	Add ExamGroup And Questions	Ensure that the fields are as per the given criteria	Enter fields that are not as per criteria	Add Failed	Add failed	Pass
			Enter fields that are as per criteria	Add successful	Add successful	
20	View Result	Ensure that the fields are as per the given criteria	Select fields that are as per criteria	Display successful	Display successful	Pass

8. Limitation and Future Enhancement

Limitation

- This website can not upload more than size 40 MB in materials
- Live lectures are not available.
- It cannot take attendance.
- It requires internet connection.

Future Enhancement

- ❖ Live video lectures functionality can be added.
- ❖ It can take attendance of faculty and student.
- ❖ Uploading file size can be increased.
- ❖ True and false questions can be added.

9.CONCLUSION

"STUDY-ACADEMY" is a 3-role website 1. Admin, 2. Faculty, and 3. Students. It has functionality of admin and faculty can share materials, share video link of YouTube, share videos, take MCQ exam, solve questions of students. Students can view materials, videos, and YouTube videos according to their need. They can ask questions according to topic and give online MCQ exam.

10. REFERENCES

Websites

1. PHP Tutorials from Code with Harry https://www.youtube.com/playlist?list=PLu0W_9lII9aikXkRE0WxDt1vozo3hnmtR

2. UML from: - https://www.visual-paradigm.com/guide/uml-unified-modeling-language/what-is-uml/

3. Design: https://www.getbootstrap.com

4. Pagination: https://www.youtube.com/watch?v=t0gBYc7QEU8&t=8s