



Database Systems and Web Lab (22B15HS211)

PROJECT REPORT “KIOSKMEET”

ODD SEMESTER 2022
(B.Tech - 3rd Semester - IT)

GROUP MEMBERS:

- *ARYAN GUPTA (21104031)*
- *PRITPAL SINGH (21104023)*
- *SAMARPIT KANDHARI (21104067)*
- *DWEEP (21104003)*

Submitted To: Mrs. Indu Chawla

Description

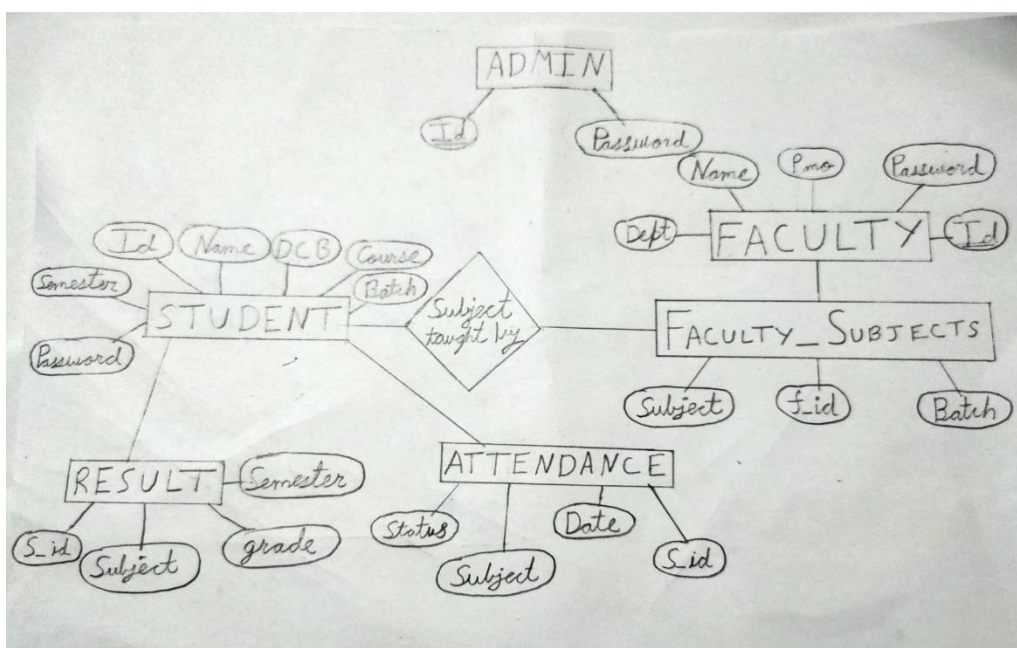
KioskMeet is a Webkiosk clone, which aims to achieve functionality similar to our college's <https://webkiosk.jiit.ac.in>. KioskMeet can be used both by teachers and students to track and keep record of a student's courses, subjects, faculty, attendance, disciplinary violations, marks and CGPA.

As an additional feature, we aim to achieve zero external dependency, when it comes to online classes, be it lecture class or a doubt class. Currently the online classes, if any, are heavily dependent on applications like Google Meet, etc. Therefore, we plan to remove this by integrating a video calling application, which will be developed from scratch, and host it on our servers. The authentication will be made using the institute's issued enrolment numbers, to prevent external factors joining the meet. If this project achieves commercial viability, it can be used by any school/college and everything can be hosted on their local servers.

Database Introduction

Database for KioskMeet consists of 6 main tables. One each for Admin, Student, Faculty, Faculty Subjects, Attendance, Result and their attributes are listed below in the E-R Diagram and its mapping.

ER Diagram



Mapping

ADMIN (Id, password)

FACULTY (Id, name, Ph-no, dept, password)

FACULTY-SUBJECTS (F-id, subject, batch)

STUDENT (Id, name, semester, DOB, course,
batch, password)

RESULT (S-id, subject, semester, grade)

ATTENDANCE (S-id, status, subject, date)

FOREIGN KEY FACULTY-SUBJECTS (F-id)
REFERENCES FACULTY (Id)

FOREIGN KEY RESULT (S-id) REFERENCES
STUDENT (Id)

FOREIGN KEY ATTENDANCE (S-id)
REFERENCES STUDENT (id)

Tech Stack Used

KioskMeet is a full-stack website. The following technologies have been used in it's making:

- Frontend
 - 1) HTML
 - 2) CSS
 - 3) JavaScript
- Backend
 - 1) PHP
- Database
 - 1) MySQL (through phpMyAdmin)

The server is locally run using XAMPP (Apache HTTP Server)

Note - All of the code has been written from scratch without using any templates or frameworks

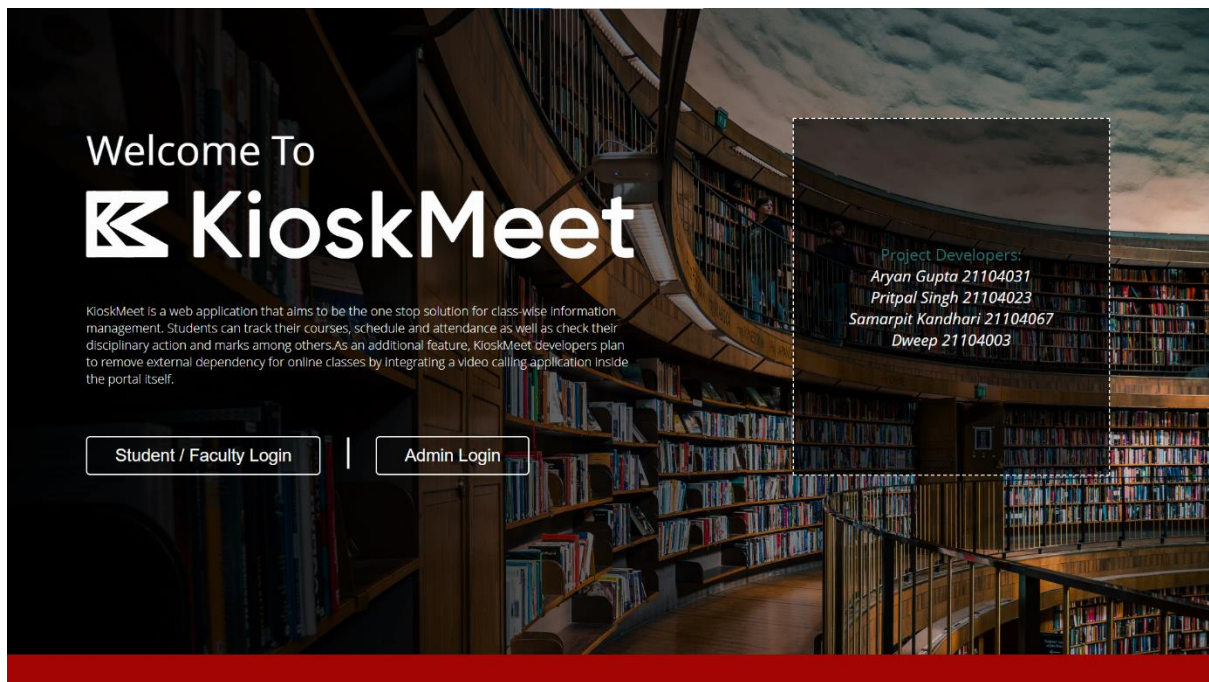
Application

- Login/Signup system
 - 1) Session management
- Students
 - 1) Profile
 - 2) Attendance
 - 3) Result
 - 4) Join a Meet
 - 5) Logout
- Teacher
 - 1) Profile
 - 2) Attendance input
 - 3) Grades input
 - 4) Create a Meet
 - 5) Logout
- Admin Dashboard
 - 1) Add Student

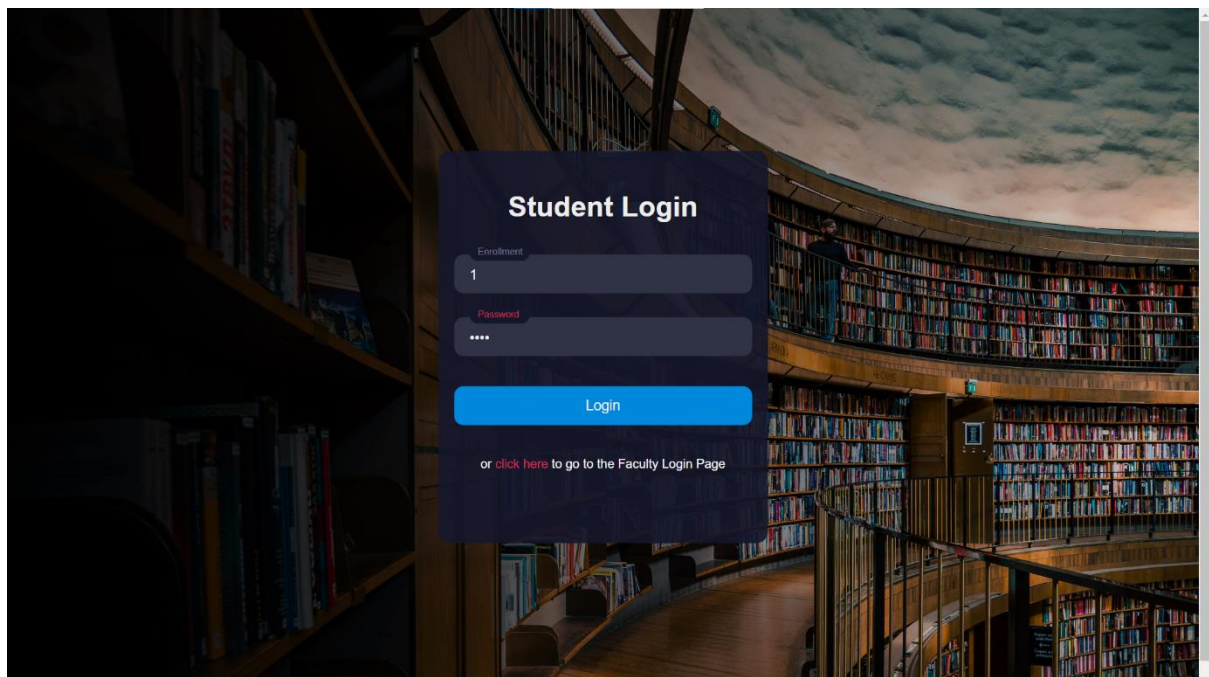
- 2) Add Teacher
- 3) View/Update student record
- 4) View update

Screenshots

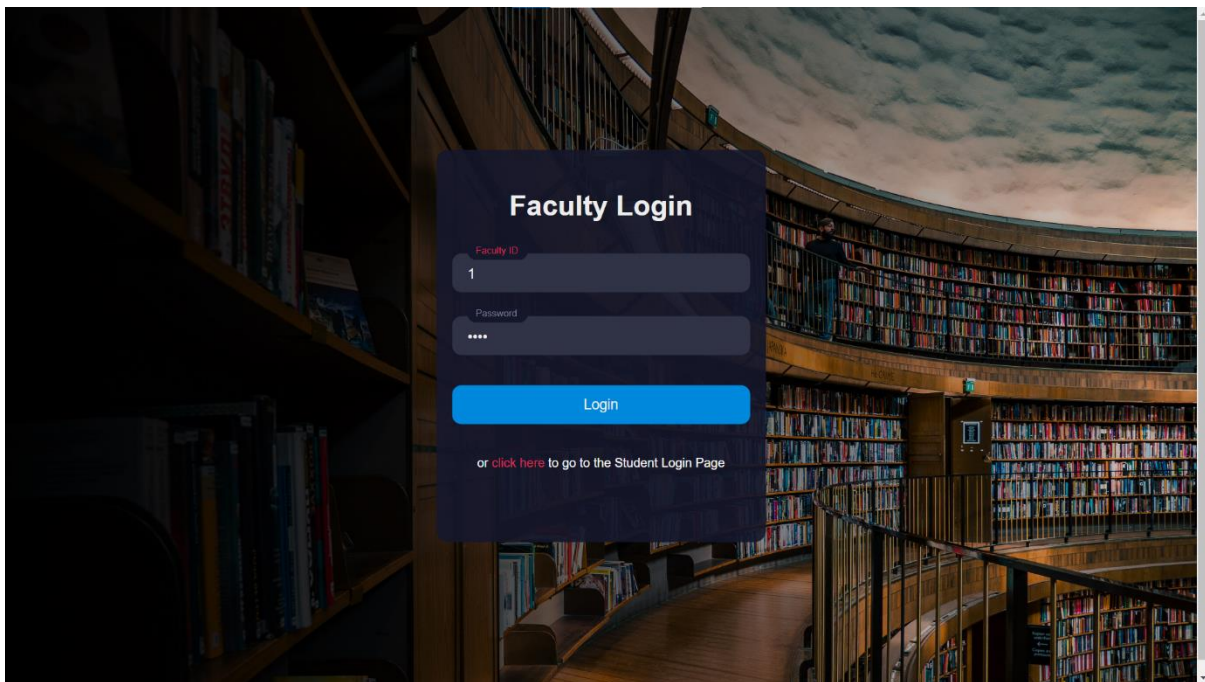
Landing Page



Student Login



Faculty Login



The background image shows a multi-level library with curved wooden bookshelves filled with books. A person is visible on an upper level. The login form is a dark blue overlay in the center.

Faculty Login

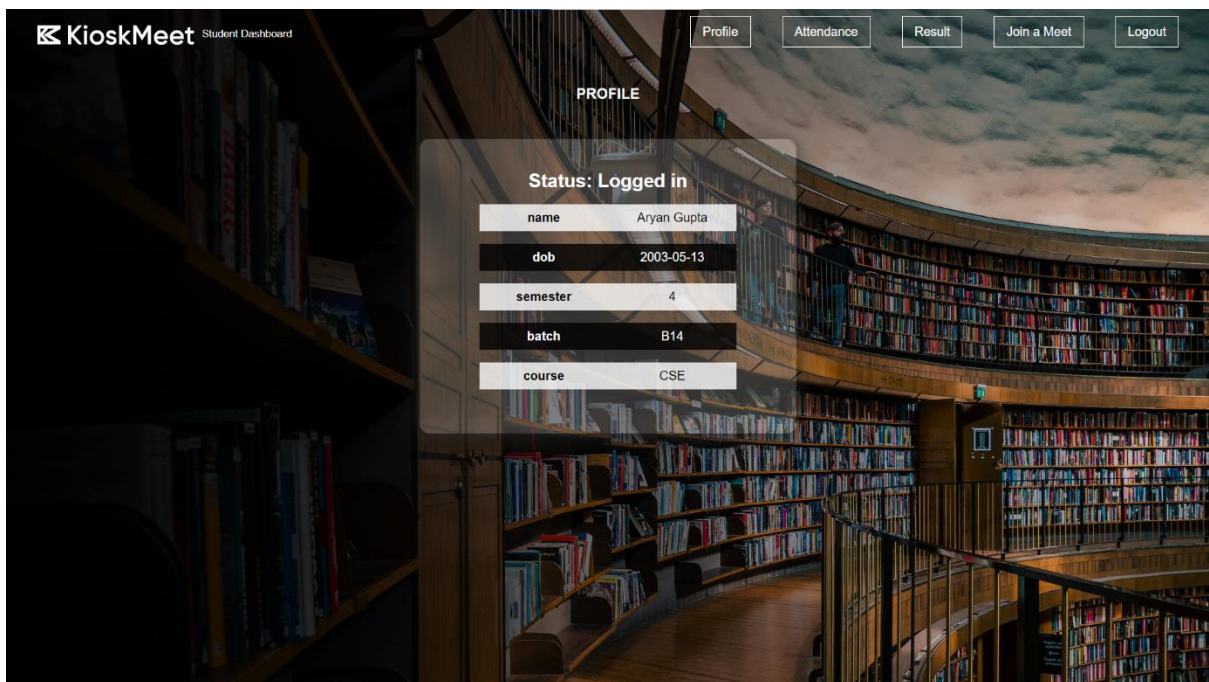
Faculty ID

Password

Login

or [click here](#) to go to the Student Login Page

Student Profile



The background image is the same library scene as above. The dashboard has a dark blue header with the KioskMeet logo and 'Student Dashboard' text. Navigation tabs for Profile, Attendance, Result, Join a Meet, and Logout are in the top right. The 'PROFILE' tab is active, showing a 'Status: Logged in' message and a table of student details.

KioskMeet Student Dashboard

Profile Attendance Result Join a Meet Logout

PROFILE

Status: Logged in

| | |
|----------|-------------|
| name | Aryan Gupta |
| dob | 2003-05-13 |
| semester | 4 |
| batch | B14 |
| course | CSE |

Student Attendance

The screenshot displays the KioskMeet Student Dashboard with a background image of a library. The top navigation bar includes the KioskMeet logo, 'Student Dashboard', and buttons for Profile, Attendance, Result, Join a Meet, and Logout. The 'Attendance' section is active, showing a table with the following data:

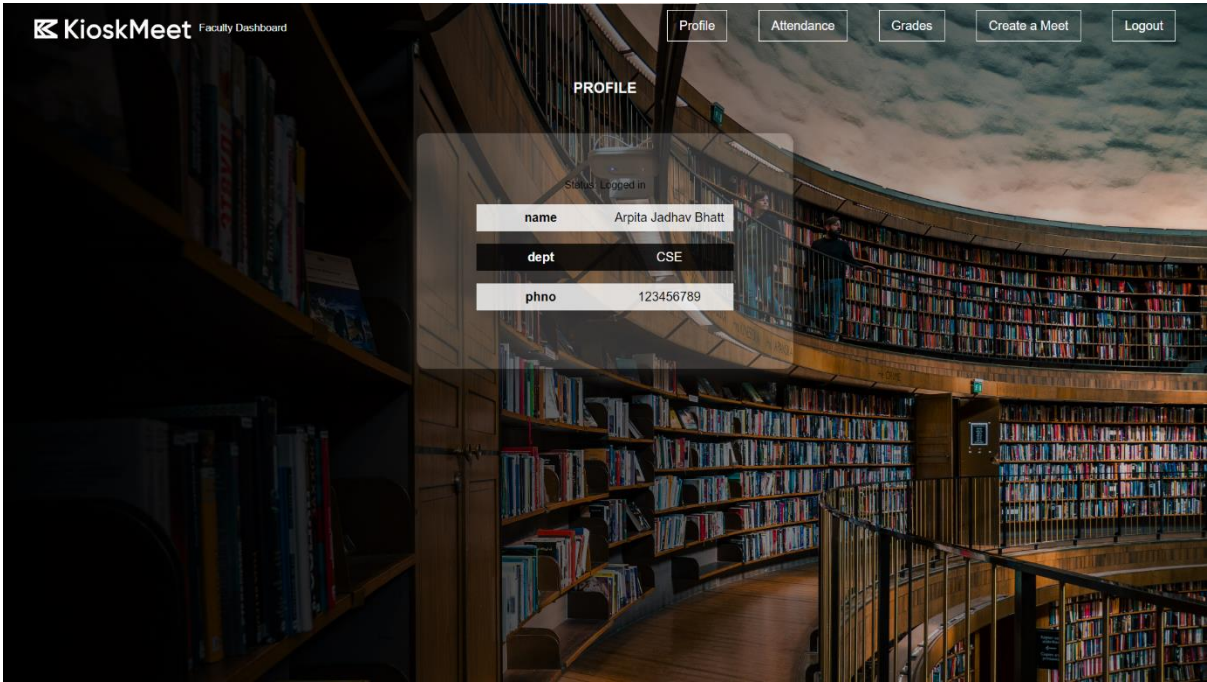
| S. NO. | SUBJECT | ATTENDANCE % |
|--------|------------------|--------------|
| 1. | Data Structures | 100 |
| 2. | Database Systems | 100 |

Student Result

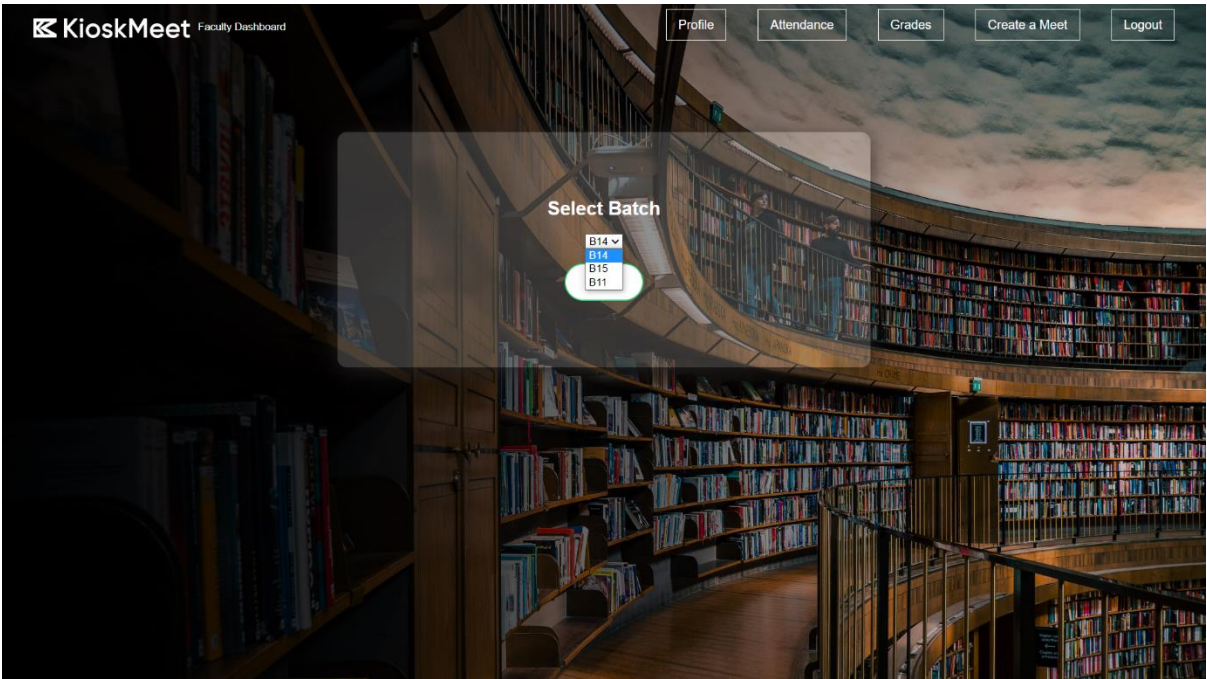
The screenshot displays the KioskMeet Student Dashboard with a background image of a library. The top navigation bar includes the KioskMeet logo, 'Student Dashboard', and buttons for Profile, Attendance, Result, Join a Meet, and Logout. The 'Result' section is active, showing a table with the following data:

| S. NO. | SUBJECT | SEMESTER | GRADE AWARDED |
|--------|------------------|----------|---------------|
| 1 | Data Structures | 4 | B |
| 1 | Database Systems | 4 | D |

Teacher Profile



Select Batch



Teacher Attendance

KioskMeet Faculty Dashboard

ProfileAttendanceGradesCreate a MeetLogout

ATTENDANCE

Date: 28-11-2022

| ENROLL | Name | Present | Absent |
|--------|---------------|----------------------------------|----------------------------------|
| 1 | Aryan Gupta | <input checked="" type="radio"/> | <input type="radio"/> |
| 2 | Pritpal Singh | <input type="radio"/> | <input checked="" type="radio"/> |
| 7 | vivek | <input type="radio"/> | <input checked="" type="radio"/> |
| 8 | tanmay | <input checked="" type="radio"/> | <input type="radio"/> |

Save Attendance

Select a different batch

Teachers Grades

KioskMeet Faculty Dashboard

ProfileAttendanceGradesCreate a MeetLogout

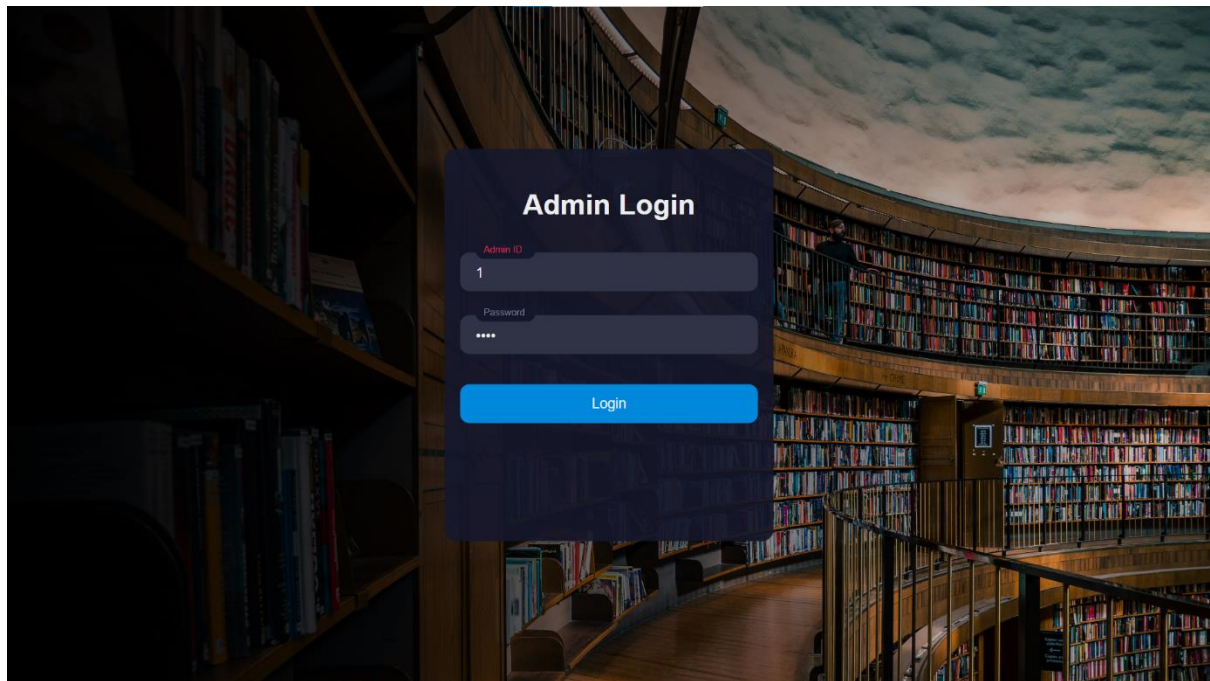
Batch: B14
Subject: Data Structures

| ID | Name | A | B | C | D | F |
|----|---------------|----------------------------------|----------------------------------|-----------------------|-----------------------|-----------------------|
| 1 | Aryan Gupta | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 2 | Pritpal Singh | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 7 | vivek | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 8 | tanmay | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

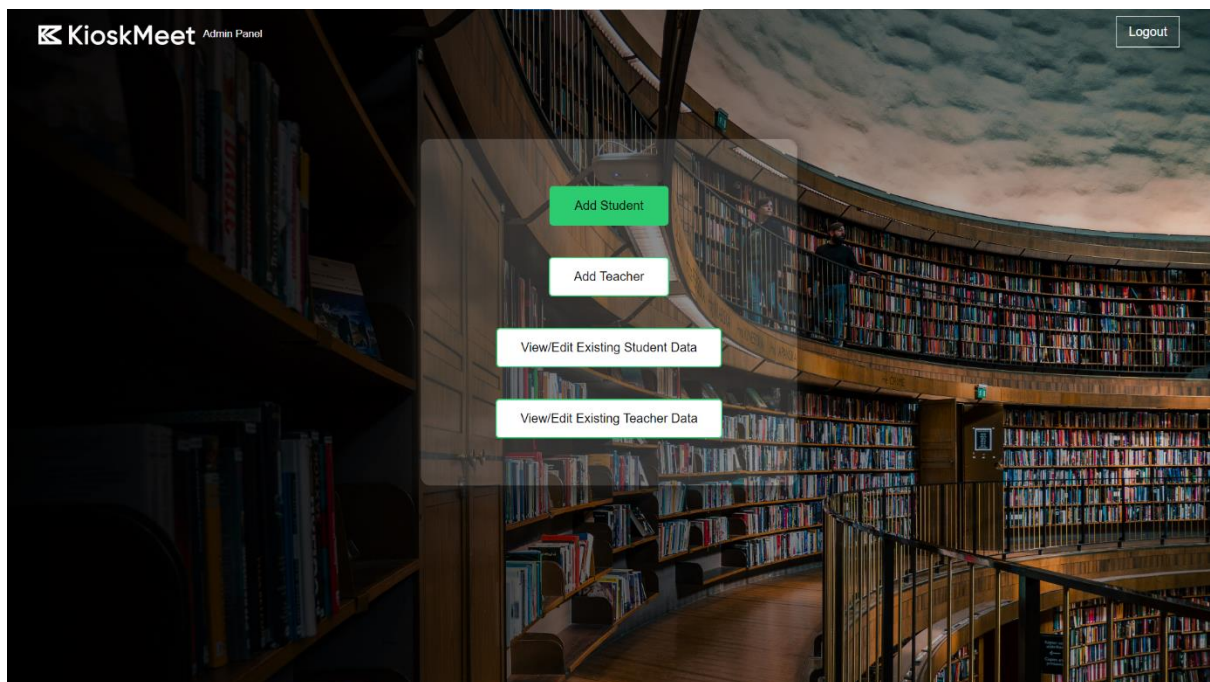
Save

Select a different batch

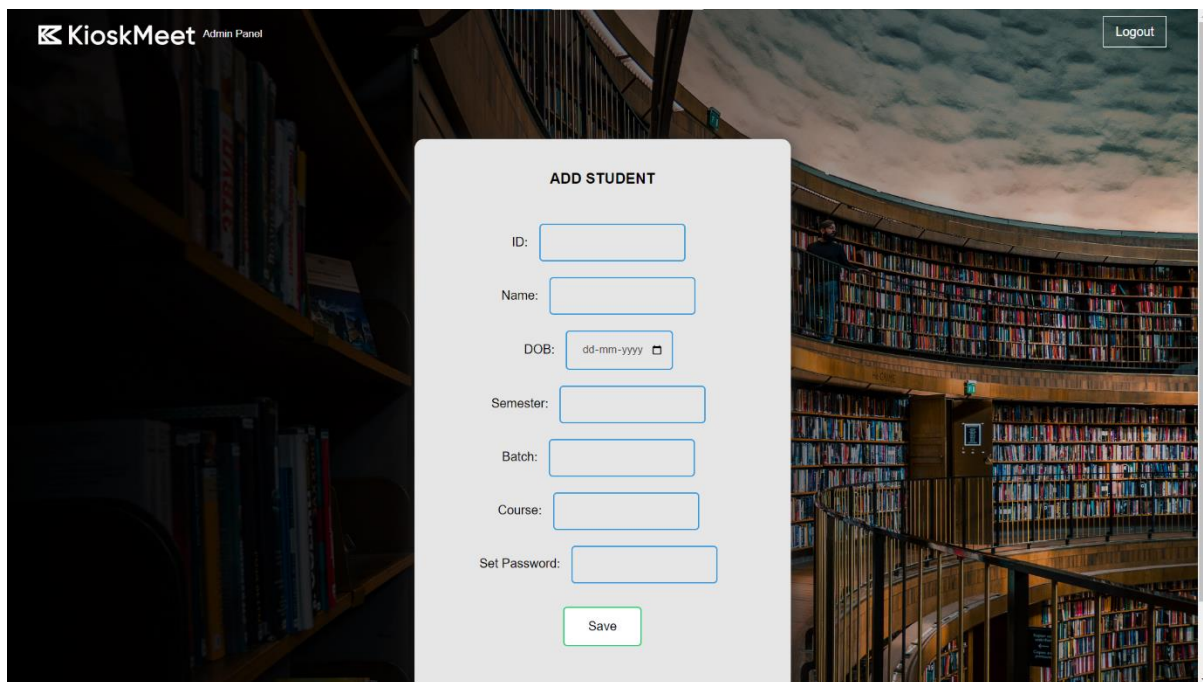
Admin Login



Admin Dashboard



Add Student




The image shows the 'Add Student' form within the KioskMeet Admin Panel. The background is a photograph of a modern library with curved wooden bookshelves and a spiral staircase. The form is a light gray modal box centered on the screen. It contains the following fields: ID, Name, DOB (with a date picker icon), Semester, Batch, Course, and Set Password. A 'Save' button is at the bottom. The top left of the panel shows the 'KioskMeet Admin Panel' logo, and the top right has a 'Logout' button.

KioskMeet Admin Panel Logout

ADD STUDENT

ID:

Name:

DOB: 

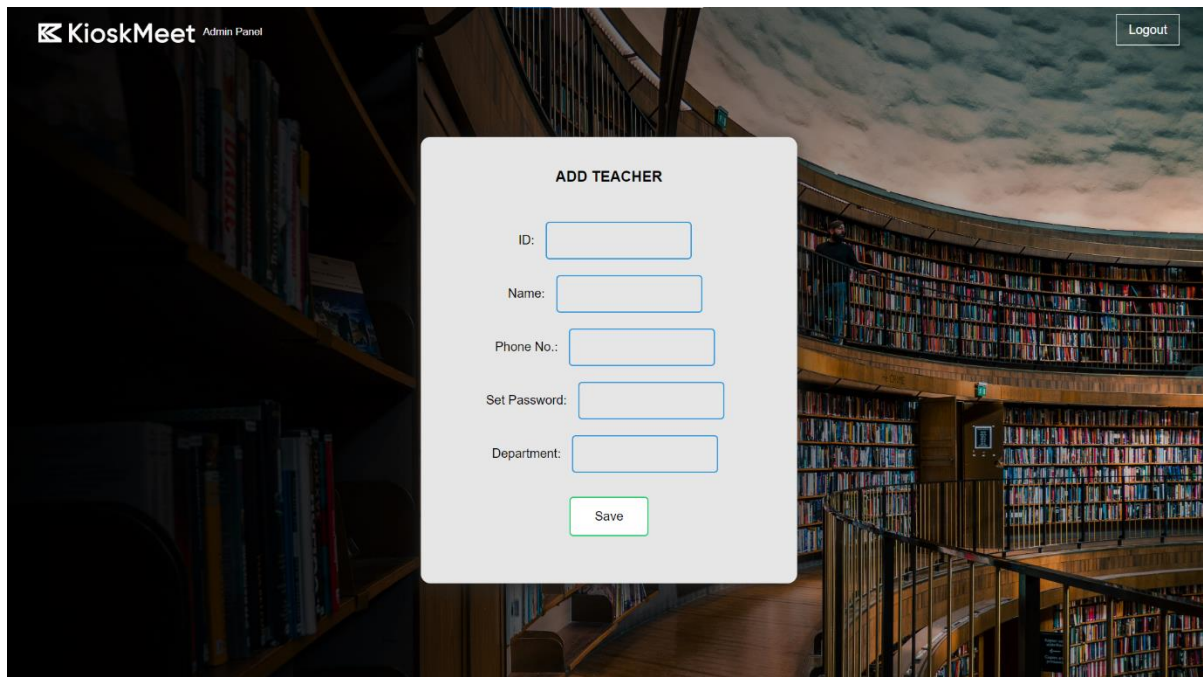
Semester:

Batch:

Course:

Set Password:

Add Teacher



The image shows the 'Add Teacher' form within the KioskMeet Admin Panel. The background is the same library photograph as the previous form. The form is a light gray modal box centered on the screen. It contains the following fields: ID, Name, Phone No., Set Password, and Department. A 'Save' button is at the bottom. The top left of the panel shows the 'KioskMeet Admin Panel' logo, and the top right has a 'Logout' button.

KioskMeet Admin Panel Logout

ADD TEACHER

ID:

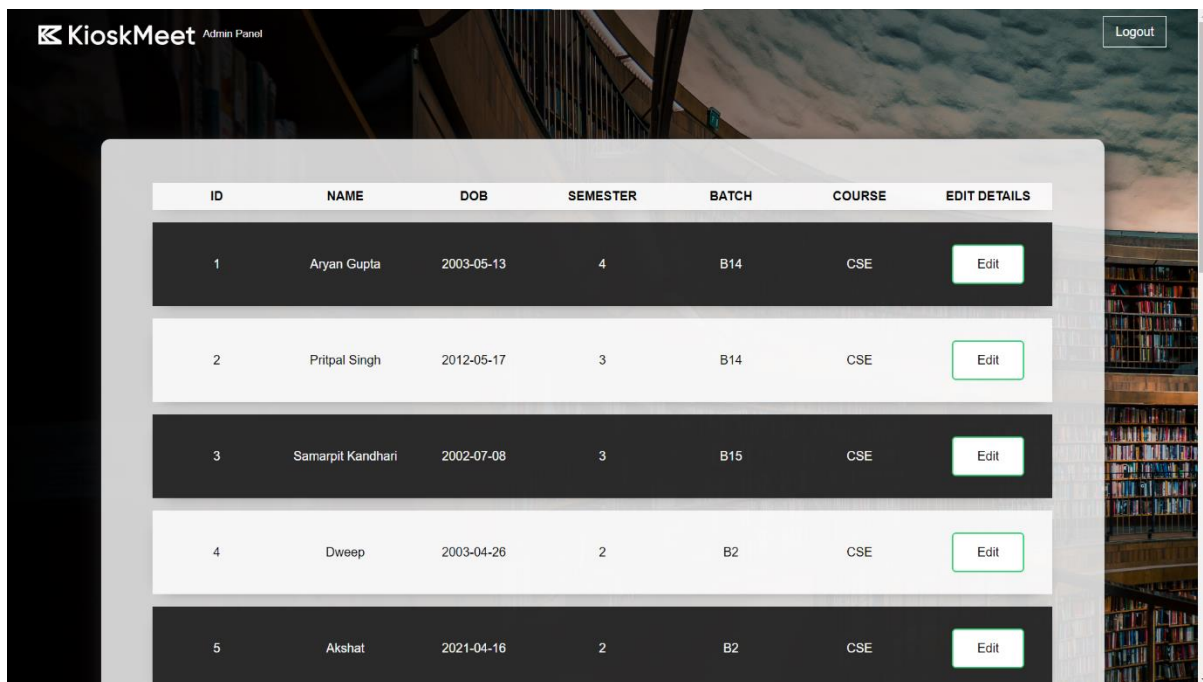
Name:

Phone No.:

Set Password:

Department:

Update Student Data

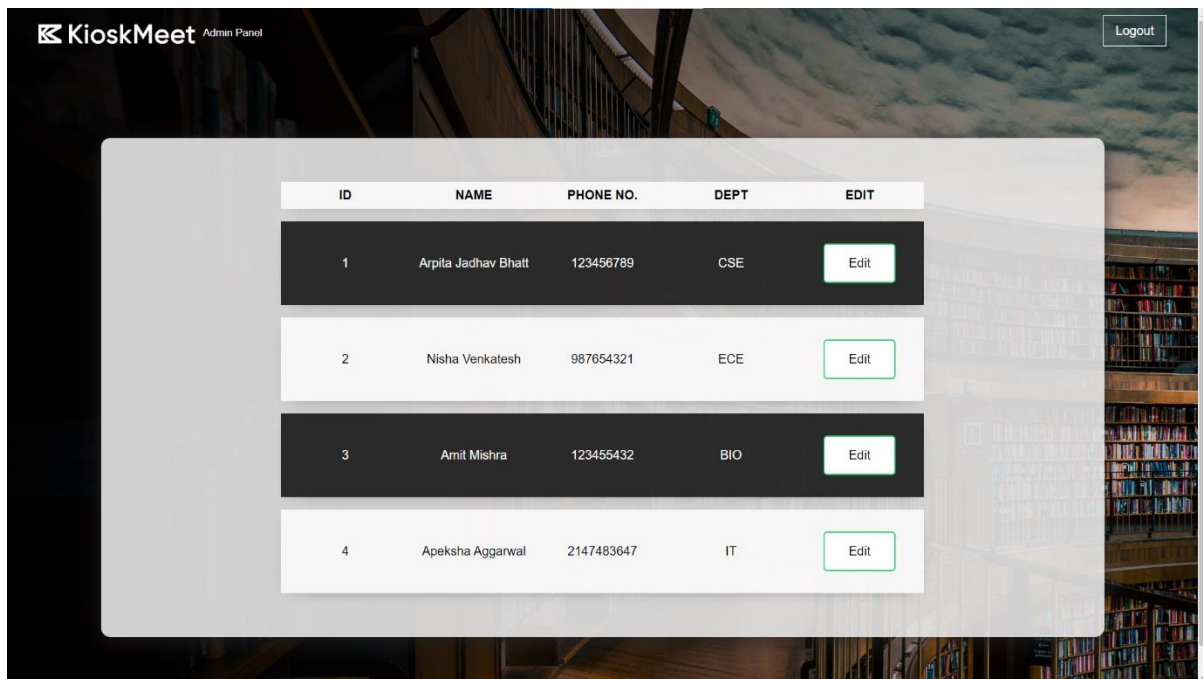


KioskMeet Admin Panel

Logout

| ID | NAME | DOB | SEMESTER | BATCH | COURSE | EDIT DETAILS |
|----|-------------------|------------|----------|-------|--------|----------------------|
| 1 | Aryan Gupta | 2003-05-13 | 4 | B14 | CSE | Edit |
| 2 | Pritpal Singh | 2012-05-17 | 3 | B14 | CSE | Edit |
| 3 | Samarpit Kandhari | 2002-07-08 | 3 | B15 | CSE | Edit |
| 4 | Dweep | 2003-04-26 | 2 | B2 | CSE | Edit |
| 5 | Akshat | 2021-04-16 | 2 | B2 | CSE | Edit |

Update Teacher Data

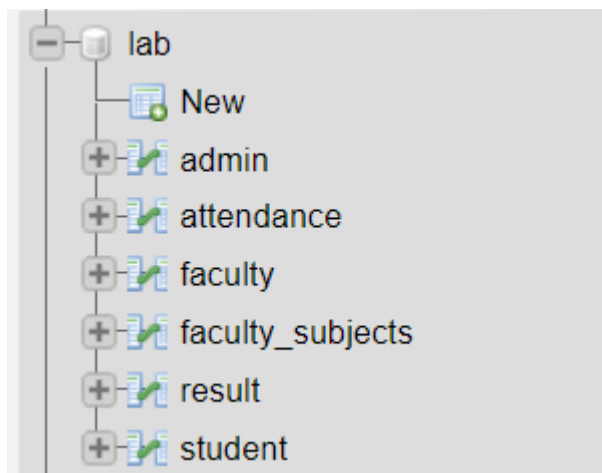


KioskMeet Admin Panel

Logout

| ID | NAME | PHONE NO. | DEPT | EDIT |
|----|---------------------|------------|------|----------------------|
| 1 | Arpita Jadhav Bhatt | 123456789 | CSE | Edit |
| 2 | Nisha Venkatesh | 987654321 | ECE | Edit |
| 3 | Amit Mishra | 123455432 | BIO | Edit |
| 4 | Apeksha Aggarwal | 2147483647 | IT | Edit |

Tables In Database



Structure of Table - *admin*

Server: 127.0.0.1 » Database: lab » Table: admin

[Browse](#)
[Structure](#)
[SQL](#)
[Search](#)
[Insert](#)
[Export](#)
[Import](#)
[Privileges](#)
[Operations](#)
[Triggers](#)

[Table structure](#)
[Relation view](#)

| | # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|--------------------------|---|-----------------|--------------|--------------------|------------|------|---------|----------|-------|--|
| <input type="checkbox"/> | 1 | id | int(11) | | | No | None | | | Change Drop More |
| <input type="checkbox"/> | 2 | name | varchar(255) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| <input type="checkbox"/> | 3 | password | varchar(255) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |

☐ Check all
 With selected:
 [Browse](#)
[Change](#)
[Drop](#)
[Primary](#)
[Unique](#)
[Index](#)
[Spatial](#)
[Fulltext](#)

Structure of Table - *attendance*

Server: 127.0.0.1 » Database: lab » Table: attendance

[Browse](#)
[Structure](#)
[SQL](#)
[Search](#)
[Insert](#)
[Export](#)
[Import](#)
[Privileges](#)
[Operations](#)
[Triggers](#)

[Table structure](#)
[Relation view](#)

| | # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|--------------------------|---|----------------|--------------|-----------------|------------|------|---------|----------|-------|--|
| <input type="checkbox"/> | 1 | s_id | int(11) | | | Yes | NULL | | | Change Drop More |
| <input type="checkbox"/> | 2 | day | date | | | Yes | NULL | | | Change Drop More |
| <input type="checkbox"/> | 3 | subject | varchar(255) | utf8_general_ci | | Yes | NULL | | | Change Drop More |
| <input type="checkbox"/> | 4 | status | varchar(2) | utf8_general_ci | | Yes | NULL | | | Change Drop More |

[Check all](#)
[With selected:](#)
[Browse](#)
[Change](#)
[Drop](#)
[Primary](#)
[Unique](#)
[Index](#)
[Spatial](#)
[Fulltext](#)

Structure of Table - *faculty*

Server: 127.0.0.1 » Database: lab » Table: faculty

Table structure Relation view

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|--------------------------|------------|--------------|-----------------|------------|------|---------|----------|----------------|--------------------|
| <input type="checkbox"/> | 1 id | int(11) | | | No | None | | AUTO_INCREMENT | Change Drop More |
| <input type="checkbox"/> | 2 name | varchar(255) | utf8_general_ci | | Yes | NULL | | | Change Drop More |
| <input type="checkbox"/> | 3 phno | int(11) | | | Yes | NULL | | | Change Drop More |
| <input type="checkbox"/> | 4 password | varchar(255) | utf8_general_ci | | Yes | NULL | | | Change Drop More |
| <input type="checkbox"/> | 5 dept | varchar(255) | utf8_general_ci | | Yes | NULL | | | Change Drop More |

↑ ☐ Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

Structure of Table – *faculty_subjects*

Server: 127.0.0.1 » Database: lab » Table: faculty_subjects

Table structure Relation view

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|--------------------------|-----------|--------------|-----------------|------------|------|---------|----------|-------|--------------------|
| <input type="checkbox"/> | 1 f_id | int(11) | | | Yes | NULL | | | Change Drop More |
| <input type="checkbox"/> | 2 subject | varchar(255) | utf8_general_ci | | Yes | NULL | | | Change Drop More |
| <input type="checkbox"/> | 3 batch | varchar(5) | utf8_general_ci | | Yes | NULL | | | Change Drop More |

↑ ☐ Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

Structure of Table - *result*

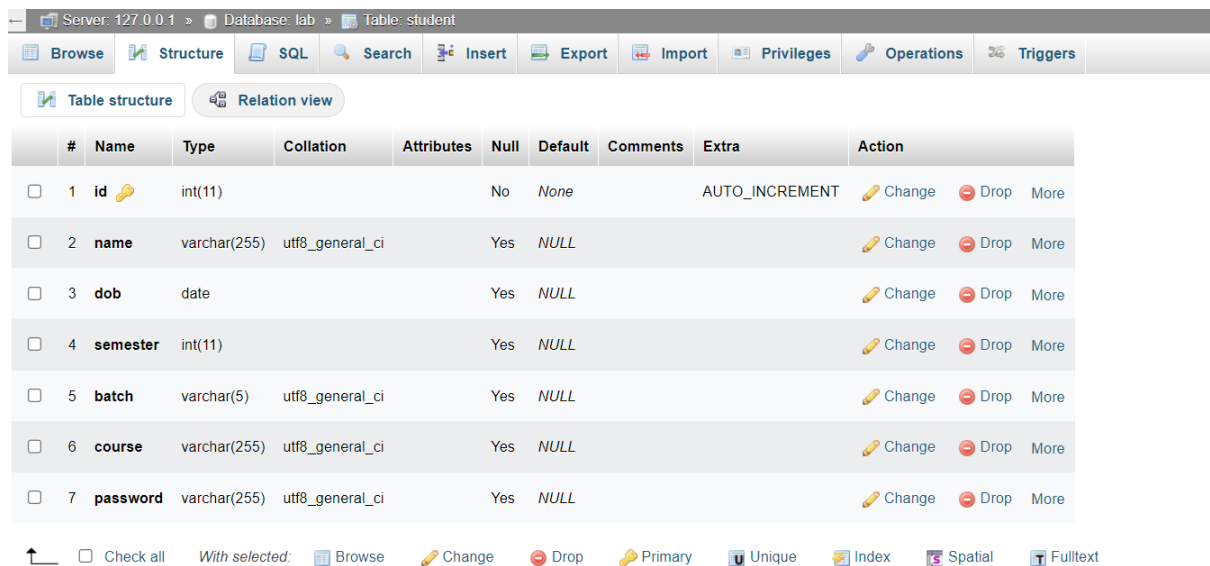
Server: 127.0.0.1 » Database: lab » Table: result

Table structure Relation view

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|--------------------------|------------|--------------|-----------------|------------|------|---------|----------|-------|--------------------|
| <input type="checkbox"/> | 1 s_id | int(11) | | | Yes | NULL | | | Change Drop More |
| <input type="checkbox"/> | 2 subject | varchar(255) | utf8_general_ci | | Yes | NULL | | | Change Drop More |
| <input type="checkbox"/> | 3 semester | int(11) | | | Yes | NULL | | | Change Drop More |
| <input type="checkbox"/> | 4 grade | varchar(2) | utf8_general_ci | | Yes | NULL | | | Change Drop More |

↑ ☐ Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

Structure of Table - *student*



| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|--------------------------|-------------------|--------------|-----------------|------------|------|---------|----------|----------------|--------------------|
| <input type="checkbox"/> | 1 id | int(11) | | | No | None | | AUTO_INCREMENT | Change Drop More |
| <input type="checkbox"/> | 2 name | varchar(255) | utf8_general_ci | | Yes | NULL | | | Change Drop More |
| <input type="checkbox"/> | 3 dob | date | | | Yes | NULL | | | Change Drop More |
| <input type="checkbox"/> | 4 semester | int(11) | | | Yes | NULL | | | Change Drop More |
| <input type="checkbox"/> | 5 batch | varchar(5) | utf8_general_ci | | Yes | NULL | | | Change Drop More |
| <input type="checkbox"/> | 6 course | varchar(255) | utf8_general_ci | | Yes | NULL | | | Change Drop More |
| <input type="checkbox"/> | 7 password | varchar(255) | utf8_general_ci | | Yes | NULL | | | Change Drop More |

☐ Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

Distribution of work

- Aryan Gupta (21104031)
 - 1) Login pages for Student, Faculty and Admin pages.
 - 2) Front-end logics and designing entire website.
 - 3) Dynamic data handling from database using PHP and MySQL
- Pritpal Singh (21104023)
 - 1) Faculty Dashboard implementation.
 - 2) Session management and form submissions using PHP.
- Samarpit Kandhari (21104067)
 - 1) Admin Panel implementation
- Dweep (21104003)
 - 1) Student Dashboard implementation.

The project can be locally hosted by downloading code from .zip file, importing lab.sql into phpMyAdmin in a database named 'lab'.
