

Micro Project Report

On

Department Management System

Diploma Computer Engineering

Semester 4

(Introduction to Web Development - 4340704)

Group Members		
Sr. No.	Enrollment No.	Student Name
1	226090307004	Bhargav Bhatt

Guided By :-

Miss. SHAILY LANGHNOJA

Lecturer, CE Department,

C. U. Shah Polytechnic, Surendranagar

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Scope of the project

The Department Management System (DMS) includes user management, event tracking, practical submission, subject assignments, attendance management, result management, and e-notice board. It is designed to be adaptive to the specific requirements of faculty, and students, creating a unified and accessible user interface. The system's functionality covers a wide range of academic and administrative processes, ensuring a holistic solution for the college community.

- ➔ **Abstract of Project:** DMS is a web-based solution crafted to simplify and enhance the management processes within educational institutions. This system caters to the unique needs of administrators, faculty, and students, offering a user-friendly platform for streamlined administrative tasks and improved communication. From handling attendance records to facilitating practical submissions and collaborative e-notice boards, the system aims to provide a comprehensive solution that fosters efficiency and transparency in the academic environment.
- ➔ **Need of System:** This need arises from the increasing complexity of administrative tasks within educational institutes. With a growing number of students, faculty, and events, there is a need for a centralized and efficient system to manage these tasks and improve communication between administration, faculty, and students.

Functional Requirements of the system

DMS is distributed in 2 types of user which all has different functionalities to perform and has a different rights over the system users are Faculty and Student . Functional Requirements are listed below as per the use

➔ Faculty:

- Take Attendance.
- Manage Practical Submissions (Add, Verify, Reupload).
- Add Tasks for Practical Submissions.
- Check Practical Submissions and Verify.
- Manage Results (Add, Update).
- View Own Data.

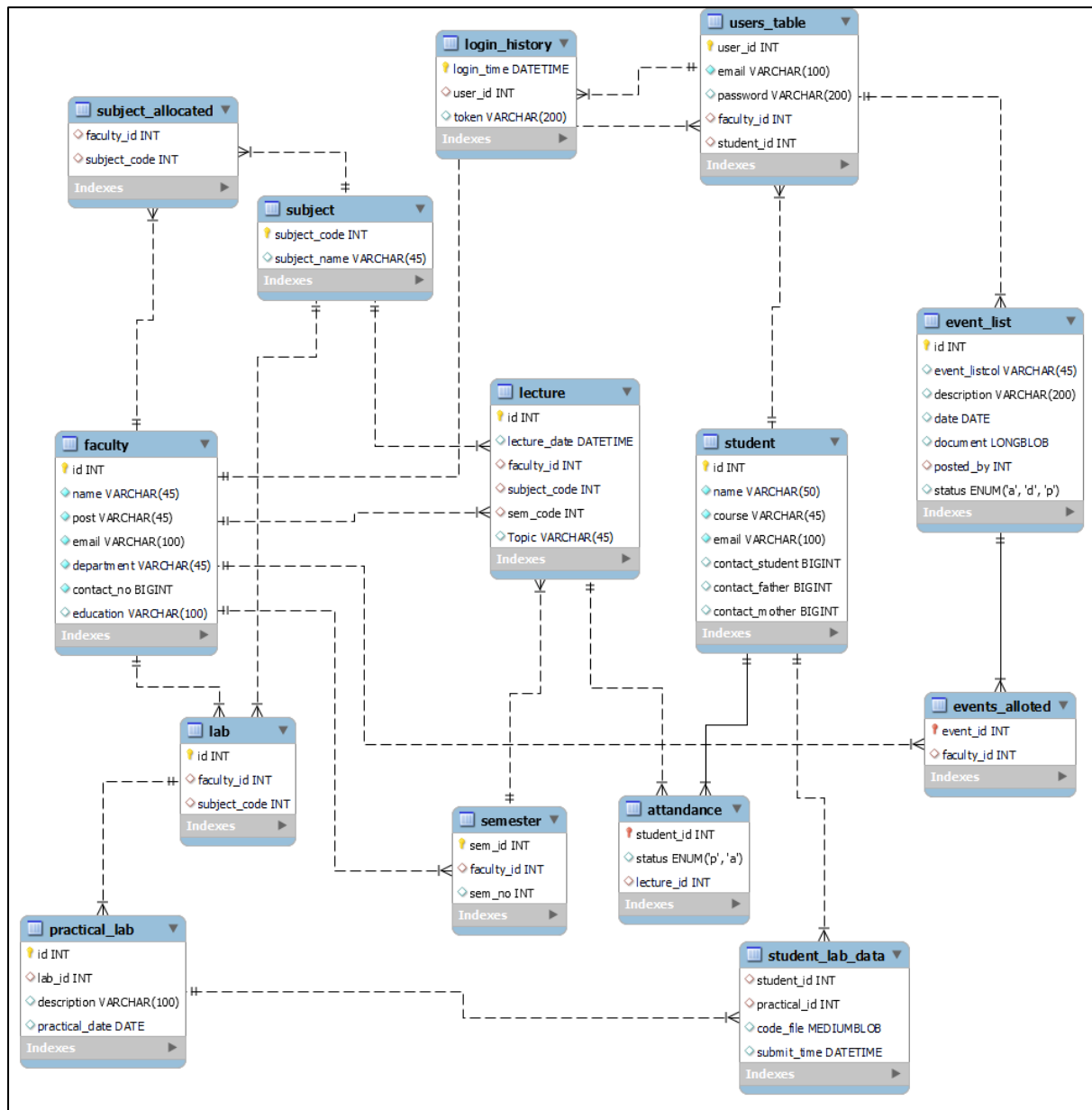
➔ Student:

- Submit Practical.
- View Attendance.
- View Results.
- View Notice Board.
- Post on Notice Board (Approval needed).

Entity-Relationship Diagram

ER diagram :- An Entity-Relationship (ER) diagram is a graphical representation used to depict the relationships between entities (important things) in a database system. It visually portrays how data is organized within a database, focusing on the entities, their attributes (descriptive details), and the connections between them.

➔ ER diagram of DMS



Code of Project

```
addpractical.php > ...
<?php
header("Access-Control-Allow-Origin: http://localhost:4200");
header("Access-Control-Allow-Methods: GET, POST, OPTIONS");
header("Access-Control-Allow-Credentials: true");
header("Content-Type:application/json");
include "../db.php";
include "../vendor/autoload.php";
$facid=$_REQUEST['fac_id'];
$subject=$_REQUEST['subject'];
$batch=$_REQUEST['batch'];
$division=$_REQUEST['division'];
$description=$_REQUEST['topic'];
$currentDate = date("Y-m-d");
$subjectid=0;
$result=$conn->query("select subject_code from subject where subject_name='$subject'");
if($result->num_rows >0){
    while($row=$result->fetch_assoc()){
        $subjectid=$row['subject_code'];
    }
}else{
    echo json_encode(array("message"=>"Unwanted Error Happens!!!","status"=>500));
    die;
}
$labid=0;
$result=$conn->query("insert into lab (faculty_id,subject_code,sem_code,division) values('$facid','$subjectid','$batch','$division')");
if($result==true){
    $labid=$conn->insert_id;
}else{
    echo json_encode(array("message"=>"Unwanted Error Happens!!!","status"=>500));
    die;
}
$practicalid=0;
$result=$conn->query("insert into practical_lab (lab_id,description,practical_date) values('$labid','$description','$currentDate')");
if($result){
    $practicalid=$conn->insert_id;
}else{
    echo json_encode(array("message"=>"Unwanted Error Happens!!!","status"=>500));
    die;
}
echo json_encode(['message'=>'Practical added successfully','status'=>200,'data'=>$practicalid]);
die;
?>
```

```
<?php
header("Access-Control-Allow-Origin: http://localhost:4200");
header("Access-Control-Allow-Methods: GET, POST, OPTIONS");
header("Access-Control-Allow-Credentials: true");
header("Content-Type:application/json");
include "../db.php";
include "../vendor/autoload.php";
$facultyid=$_REQUEST['faculty_id'];
$studentid=$_REQUEST['student_id'];
$practicalid=$_REQUEST['practical_id'];
$replymessage=$_REQUEST['reply'];
$status=$_REQUEST['status'];
$sql="update student_lab_data set reply='$replymessage',valid='$status' where practical_id=$practicalid and student_id=$studentid";
$result=$conn->query($sql);
if($result){
    $data=[
        "status"=>200,
        "message"=>"practical checked successfully"
    ];
    echo json_encode($data);
    die;
}else{
    $data=[
        "status"=>500,
        "message"=>"Something Went Wrong"
    ];
    echo json_encode($data);
    die;
}
?>
```

```

getattandancedata.php > ...
<?php
header("Access-Control-Allow-Origin: http://localhost:4200");
header("Access-Control-Allow-Methods: GET, POST, OPTIONS");
header("Access-Control-Allow-Credentials: true");
header("Content-Type:application/json");
include "../db.php";
include "../vendor/autoload.php";
$faculty_id=$_REQUEST['fac_id'];
$student=array();
$subject=array();
$batch=array();
$result=$conn->query("select * from student");
if($result->num_rows>0){
    while($row=$result->fetch_assoc()){
        array_push($student,["name"=>$row['name'], "id"=>$row['id'], "fathername"=>$row['contact_father'], "semid"=>$row['sem_id'], "division"=>$row['division']]);
    }
}
$result=$conn->query("SELECT s.subject_name FROM subject_allocated sa JOIN subject s ON sa.subject_code = s.subject_code WHERE sa.faculty_id = $faculty_id;");
if($result->num_rows>0){
    while($row=$result->fetch_assoc()){
        array_push($subject,$row['subject_name']);
    }
}
$result=$conn->query("select * from batch");
if($result->num_rows>0){
    while($row=$result->fetch_assoc()){
        array_push($batch,$row['sem_id']);
    }
}
$response = array('status' => 200, "students" => $student, "batches" => $batch, "subjects" => $subject);
echo json_encode($response);
die;
?>

```

```

<?php
header("Access-Control-Allow-Origin: http://localhost:4200");
header("Access-Control-Allow-Methods: GET, POST, OPTIONS");
header("Access-Control-Allow-Credentials: true");
header("Content-Type:application/json");
include "../db.php";
include "../vendor/autoload.php";
$faculty_id=$_REQUEST['facid'];
$subject=array();
$batch=array();
$result=$conn->query("SELECT s.subject_name FROM subject_allocated sa JOIN subject s ON sa.subject_code = s.subject_code WHERE sa.faculty_id = $faculty_id;");
if($result->num_rows>0){
    while($row=$result->fetch_assoc()){
        array_push($subject,$row['subject_name']);
    }
}
$result=$conn->query("select * from batch");
if($result->num_rows>0){
    while($row=$result->fetch_assoc()){
        array_push($batch,$row['sem_id']);
    }
}
$response = array('status' => 200, "batches" => $batch, "subjects" => $subject);
echo json_encode($response);
die;
?>

```

```

<?php
header("Access-Control-Allow-Origin: http://localhost:4200");
header("Access-Control-Allow-Methods: GET, POST, OPTIONS");
header("Access-Control-Allow-Credentials: true");
header("Content-Type:application/json");
include "../db.php";
include "../vendor/autoload.php";
$faculty_id=$_REQUEST['facid'];
$subject=array();
$batch=array();
$result=$conn->query("SELECT s.subject_name FROM subject_allocated sa JOIN subject s ON sa.subject_code = s.subject_code WHERE sa.faculty_id = $faculty_id;");
if($result->num_rows>0){
    while($row=$result->fetch_assoc()){
        array_push($subject,$row['subject_name']);
    }
}
$result=$conn->query("select * from batch");
if($result->num_rows>0){
    while($row=$result->fetch_assoc()){
        array_push($batch,$row['sem_id']);
    }
}
$response = array('status' => 200, "batches" => $batch, "subjects" => $subject);
echo json_encode($response);
die;
?>

```

```

index.php > ...
1  <?php
2      header("Access-Control-Allow-Origin: http://localhost:4200");
3      header("Access-Control-Allow-Methods: GET, POST, OPTIONS");
4      header("Access-Control-Allow-Headers: Content-Type, Authorization");
5      header("Access-Control-Allow-Credentials: true");
6      $requesturi=strtok($_SERVER['REQUEST_URI'],'?');
7      $routes=[
8          "/department_app/department-core/student/updatepracticaldata"=>"./student/updatepracticaldata.php",
9          "/department_app/department-core/practical/checkedpractical"=>"./faculty/practicalcheckeddata.php",
10         "/department_app/department-core/faculty/getpracticaldata"=>"./faculty/getpracticalrecord.php",
11         "/department_app/department-core/student/addpracticaldata"=>"./student/addpracticaldata.php",
12         "/department_app/department-core/student/getpractical"=>"./student/getpractical.php",
13         "/department_app/department-core/student/getattendancedata"=>"./student/getdata.php",
14         "/department_app/department-core/faculty/addpractical"=>"./faculty/addpractical.php",
15         "/department_app/department-core/faculty/getdata"=>"./faculty/getdata.php",
16         "/department_app/department-core/faculty/showattendance"=>"./faculty/showattendance.php",
17         "/department_app/department-core/faculty/put_attendance_data"=>"./faculty/record_attendance.php",
18         "/department_app/department-core/auth/login"=>"./auth/login.php",
19         "/department_app/department-core/faculty/get_attendance_data"=>"./faculty/getattendancedata.php"
20     ];
21     if(isset($routes[$requesturi])){
22         include $routes[$requesturi];
23     }else{
24         echo "404 not found";
25     }
26 }
?>0

login.php > ...
use Firebase\JWT\JWT;
$username=$_REQUEST['userid'];
$password=md5($_REQUEST['password']);
$sql="select * from users_table where user_id=$username";
$result=$conn->query($sql);
if($result->num_rows>0){
    while($row=$result->fetch_assoc()){
        if($row['password']==$password){
            $issued=time();
            $exp=$issued+(60*60);
            $payload=[
                "iat"=>$issued,
                "exp"=>$exp,
                "userid"=>$username,
                "keypass"=>encryptData("bhargavdev123456789")
            ];
            $tok=JWT::encode($payload,$secretkey,'HS512');
            $res=json_encode([
                "status"=>"200",
                "msg"=>"user_founded",
                "authstatus"=>true,
                "usertype"=>$row['user_type'],
                "token"=>$tok,
                "userid"=>$username
            ]);
            echo $res;
            die;
        }else{
            echo json_encode(array(
                "status"=>"400",
                "msg"=>"password_doesn't_match",
                "authstatus"=>false,
                "usertype"=>"",
                "token"=>"",
                "userid"=>""));
            die;
        }
    }
}else{
    echo json_encode(array("status"=>"401",
        "msg"=>"user_not_found",
        "authstatus"=>false,
        "usertype"=>"",
        "token"=>"",
        "userid"=>""
    ));
}

```



```

updatepracticaldata.php > ...
<?php
header("Access-Control-Allow-Origin: http://localhost:4200");
header("Access-Control-Allow-Methods: GET, POST, OPTIONS");
header("Access-Control-Allow-Credentials: true");
header("Content-Type:application/json");
include "../db.php";
include "../vendor/autoload.php";
if(isset($_REQUEST['studentid'], $_REQUEST['practicalid'], $_FILES['file'])) {
    $studentid = $_REQUEST['studentid'];
    $practicalid = $_REQUEST['practicalid'];
    $file_location = $_FILES['file']['tmp_name'];
    $file_content = file_get_contents($file_location);
    $sql="delete from student_lab_data where student_id='$studentid' and practical_id='$practicalid'";
    $result = $conn->query($sql);
    if($result) {
        $stmt = $conn->prepare("INSERT INTO student_lab_data (student_id, practical_id, code_file, submit_time,reply,valid) VALUES (?, ?, ?, NOW(),'',')");
        $stmt->bind_param("iis", $studentid, $practicalid, $file_content);
        $res = $stmt->execute();
        if($res){
            $data = ['message' => "Practical Updated", "status" => 200];
            echo json_encode($data);
            die;
        }else{
            $data = ['message' => "Practical Not Submitted", "status" => 404];
            echo json_encode($data);
            die;
        }
    } else {
        $data = ['message' => "Practical Not Submitted", "status" => 404];
        echo json_encode($data);
        die;
    }
} else {
    $data = ['message' => "Missing parameters", "status" => 400];
    echo json_encode($data);
    die;
}
}

```

```

addpracticaldata.php > ...
<?php
header("Access-Control-Allow-Origin: http://localhost:4200");
header("Access-Control-Allow-Methods: GET, POST, OPTIONS");
header("Access-Control-Allow-Credentials: true");
header("Content-Type:application/json");
include "../db.php";
include "../vendor/autoload.php";
if(isset($_REQUEST['studentid'], $_REQUEST['practicalid'], $_FILES['file'])) {
    $studentid = $_REQUEST['studentid'];
    $practicalid = $_REQUEST['practicalid'];
    $file_location = $_FILES['file']['tmp_name'];
    $file_content = file_get_contents($file_location);
    $stmt = $conn->prepare("INSERT INTO student_lab_data (student_id, practical_id, code_file, submit_time) VALUES (?, ?, ?, NOW())");
    $stmt->bind_param("iis", $studentid, $practicalid, $file_content);
    $result = $stmt->execute();
    if($result) {
        $data = ['message' => "Practical Submitted", "status" => 200];
        echo json_encode($data);
        die;
    } else {
        $data = ['message' => "Practical Not Submitted", "status" => 404];
        echo json_encode($data);
        die;
    }
} else {
    $data = ['message' => "Missing parameters", "status" => 400];
    echo json_encode($data);
    die;
}
}
>>

```

```

showattendance.php > ...
$facultyid=$_REQUEST['faculty_id'];
$subject=$_REQUEST['subject'];
$batch=$_REQUEST['batch'];
$subjectid=0;
$result=$conn->query("select subject_code from subject where subject_name='$subject'");
if($result->num_rows > 0 ){
    while($row=$result->fetch_assoc()){
        $subjectid=$row['subject_code'];
    }
}
else{
    echo json_encode(array("message"=>"Unwanted Error Happens!!!","status"=>500));
    die;
}
$sql = "SELECT
        s.name AS student_name,
        s.contact_father AS fathernumber,
        a.student_id AS student_id,
        l.lecture_date AS lecturedate,
        a.lecture_id AS lecture_id,
        l.Topic AS topic
    FROM
        attendance a
    JOIN
        student s ON a.student_id = s.id
    JOIN
        lecture l ON a.lecture_id = l.id
    WHERE
        l.faculty_id = $facultyid
        AND l.subject_code = $subjectid
        AND l.sem_code = $batch";
$lecturedata=array();
$result=$conn->query($sql);
if($result->num_rows > 0){
    while($row=$result->fetch_assoc()){
        array_push($lecturedata,["name"=>$row['student_name'], "student_id"=>$row['student_id'], "lecture_id"=>$row['lecture_id']]);
    }
    echo json_encode(["message"=>"Data has sented successfully","data"=>$lecturedata,"status"=>200]);
    die;
}
else{
    echo json_encode(array("message"=>"Unwanted Error Happens!!!","status"=>500));
    die;
}
}

```

```

record_attendance.php > ...
header("Access-Control-Allow-Credentials: true");
header("Content-Type:application/json");
include "../db.php";
include "../vendor/autoload.php";
$topic=$_REQUEST['topic'];
$facultyid=$_REQUEST['faculty_id'];
$students=$_REQUEST['student'];
$subject=$_REQUEST['subject'];
$batch=$_REQUEST['batch'];
$time=$_REQUEST['time'];
$division=$_REQUEST['division'];
$subjectid=0;
$result=$conn->query("select subject_code from subject where subject_name='$subject'");
if($result->num_rows > 0 ){
    while($row=$result->fetch_assoc()){
        $subjectid=$row['subject_code'];
    }
}
else{
    echo json_encode(array("message"=>"Unwanted Error Happens!!!","status"=>500,"data"=>$lectureid));
    die;
}
$sql = "INSERT INTO lecture (lecture_date, faculty_id, subject_code, sem_code, Topic, division) VALUES ('$time', $facultyid, $subjectid, $batch, '$topic', '$division')";
$result=$conn->query($sql);
$lectureid=0;
if($result){
    $lectureid=$conn->insert_id;
}
else{
    echo json_encode(array("message"=>"Unwanted Error Happens!!!","status"=>500,"data"=>$lectureid));
    die;
}
$studentarray=json_decode($students,true);
foreach($studentarray as $i){
    $id=$i['id'];
    $sql="insert into attendance values($id,'p',$lectureid)";
    $result=$conn->query($sql);
    if($result){
        continue;
    }
    else{
        echo json_encode(array("message"=>"Unwanted Error Happens!!!","status"=>500,"data"=>$lectureid));
        die;
    }
}
echo json_encode(array("message"=>"Attendance Recorded Successfully","status"=>200,"data"=>$lectureid));
die;
}

```

```

getpractical.php > ...
$studentid=$_REQUEST['studentid'];
$sql="
SELECT
    s.id AS student_id,
    pl.description AS practical_description,
    pl.practical_date,
    pl.id AS practical_id,
    f.name AS faculty_name,
    sub.subject_name AS subject_name
FROM
    student s
JOIN
    lab ON s.sem_id = lab.sem_code AND s.division = lab.division
LEFT JOIN
    practical_lab pl ON lab.id = pl.lab_id
LEFT JOIN
    faculty f ON lab.faculty_id = f.id
LEFT JOIN
    subject sub ON lab.subject_code = sub.subject_code
WHERE
    s.id = '$studentid';
";
$practicals=array();
$result=$conn->query($sql);
if($result->num_rows>0){
    while($row=$result->fetch_assoc()){
        $data=[
            "description"=>$row['practical_description'],
            "id"=>$row['practical_id'],
            "date"=>$row['practical_date'],
            "faculty"=>$row['faculty_name'],
            "subject"=>$row['subject_name']
        ];
        array_push($practicals,$data);
    }
}else{
    $data=["status"=>500,"message"=>"attendance not found"];
    echo json_encode($data);
    die;
}
$practicaldata=array();
$sql="select * from student_lab_data where student_id='$studentid'";
$result=$conn->query($sql);
if($result->num_rows>0){
    while($row=$result->fetch_assoc()){

```

```

include ./vendor/autoload.php ;
$studentid=$REQUEST['studentid'];
$result=$conn->query("select * from student where id=".$studentid);
if($result->num_rows <= 0){
    $data=["status"=>404,"message"=>"Invalid Id or not a registered Student"];
    echo json_encode($data);
    die;
}
$attendance=array();
$sql = "
    SELECT lecture.id ,attendance.status, lecture.lecture_date, subject.subject_name, lecture.Topic, faculty.name AS faculty_name
    FROM attendance
    JOIN lecture ON attendance.lecture_id = lecture.id
    JOIN subject ON lecture.subject_code = subject.subject_code
    JOIN faculty ON lecture.faculty_id = faculty.id
    WHERE attendance.student_id = '$studentid';
";
$result=$conn->query($sql);
if($result->num_rows>0){
    while($row=$result->fetch_assoc()){
        $dat=[
            "id"=>$row['id'],
            "status"=>$row['status'],
            "date"=>$row['lecture_date'],
            "subject_name"=>$row['subject_name'],
            "topic"=>$row['Topic'],
            "faculty_name"=>$row['faculty_name']
        ];
        array_push($attendance,$dat);
    }
}else{
    $data=["status"=>500,"message"=>"attendance not found"];
    echo json_encode($data);
    die;
}
$lecture=array();
$sql = "
    SELECT lecture.id, lecture.lecture_date, lecture.Topic, subject.subject_name, faculty.name AS faculty_name
    FROM lecture
    JOIN subject ON lecture.subject_code = subject.subject_code
    JOIN faculty ON lecture.faculty_id = faculty.id
    WHERE lecture.sem_code = (
        SELECT sem_id FROM student WHERE id = 100001
    )
    AND lecture.division = (
        . . .
    );
";
if($result->num_rows>0){
    while($row=$result->fetch_assoc()){
        $data=[
            "description"=>$row['practical_description'],
            "id"=>$row['practical_id'],
            "date"=>$row['practical_date'],
            "faculty"=>$row['faculty_name'],
            "subject"=>$row['subject_name']
        ];
        array_push($practicals,$data);
    }
}else{
    $data=["status"=>500,"message"=>"attendance not found"];
    echo json_encode($data);
    die;
}
$practicaldata=array();
$sql="select * from student_lab_data where student_id='$studentid'";
$result=$conn->query($sql);
if($result->num_rows>0){
    while($row=$result->fetch_assoc()){
        $data=[
            "practical_id"=>$row['practical_id'],
            "code_file"=>base64_encode($row['code_file']),
            "submit_date"=>$row['submit_time'],
            "reply"=>$row['reply'],
            "status"=>$row['valid']
        ];
        array_push($practicaldata,$data);
    }
}
echo json_encode(['status'=>200,"practicallist"=>$practicals,"practicalsubmitted"=>$practicaldata]);
die;
?>

```

```

> getpracticalrecord.php > ...
    $batch=$_REQUEST['batch'];
    $subject=$_REQUEST['subject'];
    $faculty=$_REQUEST['faculty_id'];
    $division=$_REQUEST['division'];
    $sql="
        SELECT
            sl.student_id AS id,
            pl.id AS practical_id,
            pl.description AS topic,
            st.name AS student_name,
            sl.code_file AS file,
            sl.submit_time AS submit_date,
            sl.valid AS status,
            sl.reply AS reply
        FROM
            student_lab_data sl
        JOIN
            practical_lab pl ON sl.practical_id = pl.id
        JOIN
            lab l ON pl.lab_id = l.id
        JOIN
            subject s ON l.subject_code = s.subject_code
        JOIN
            student st ON sl.student_id = st.id
        WHERE
            s.subject_code = (SELECT subject_code FROM subject WHERE subject_name = '$subject')
            AND l.faculty_id = $faculty
            AND l.sem_code = $batch
            AND l.division = '$division';
    ";
    $records=array();
    $result=$conn->query($sql);
    if($result->num_rows>0){
        while($row=$result->fetch_assoc()){
            $data=[
                "student_id"=>$row['id'],
                "practical_id"=>$row['practical_id'],
                "topic"=>$row['topic'],
                "file"=>base64_encode($row['file']),
                "student_name"=>$row['student_name'],
                "submit_date"=>$row['submit_date'],
                "status"=>$row['status'],
                "reply"=>$row['reply']
            ];
            array_push($records,$data);
        }
    }

```

```

include ./vendor/autoload.php ;
$studentid=$_REQUEST['studentid'];
$result=$conn->query("select * from student where id=".$studentid);
if($result->num_rows <= 0){
    $data=["status"=>404,"message"=>"Invalid Id or not a registered Student"];
    echo json_encode($data);
    die;
}
$attendance=array();
$sql = "
    SELECT lecture.id ,attendance.status, lecture.lecture_date, subject.subject_name, lecture.Topic, faculty.name AS faculty_name
    FROM attendance
    JOIN lecture ON attendance.lecture_id = lecture.id
    JOIN subject ON lecture.subject_code = subject.subject_code
    JOIN faculty ON lecture.faculty_id = faculty.id
    WHERE attendance.student_id = '$studentid';
";
$result=$conn->query($sql);
if($result->num_rows>0){
    while($row=$result->fetch_assoc()){
        $dat=[
            "id"=>$row['id'],
            "status"=>$row['status'],
            "date"=>$row['lecture_date'],
            "subject_name"=>$row['subject_name'],
            "topic"=>$row['Topic'],
            "faculty_name"=>$row['faculty_name']
        ];
        array_push($attendance,$dat);
    }
}else{
    $data=["status"=>500,"message"=>"attendance not found"];
    echo json_encode($data);
    die;
}
$lecture=array();
$sql = "
    SELECT lecture.id, lecture.lecture_date, lecture.Topic, subject.subject_name, faculty.name AS faculty_name
    FROM lecture
    JOIN subject ON lecture.subject_code = subject.subject_code
    JOIN faculty ON lecture.faculty_id = faculty.id
    WHERE lecture.sem_code = (
        SELECT sem_id FROM student WHERE id = 100001
    )
    AND lecture.division = (
";
$lecture=array();
$sql = "
    SELECT lecture.id, lecture.lecture_date, lecture.Topic, subject.subject_name, faculty.name AS faculty_name
    FROM lecture
    JOIN subject ON lecture.subject_code = subject.subject_code
    JOIN faculty ON lecture.faculty_id = faculty.id
    WHERE lecture.sem_code = (
        SELECT sem_id FROM student WHERE id = 100001
    )
    AND lecture.division = (
        SELECT division FROM student WHERE id = 100001
    );
";
$result=$conn->query($sql);
if($result->num_rows>0){
    while($row=$result->fetch_assoc()){
        $data=[
            "id"=>$row['id'],
            "date"=>$row['lecture_date'],
            "topic"=>$row['Topic'],
            "subject_name"=>$row['subject_name'],
            "faculty_name"=>$row['faculty_name']
        ];
        array_push($lecture,$data);
    }
}else{
    $data=["status"=>500,"message"=>"lectures not found"];
    echo json_encode($data);
    die;
}
$data=["status"=>200,"attendance"=>$attendance,"lectures"=>$lecture,"message"=>""];
echo json_encode($data);
die;
?>

```

Output

Browser address bar: <http://localhost:4200>

CUSP

User Id:

Password :

[Forgot Password](#)

Login

Computer Engineering Department

Attendance | **Practicals** | Account

Add Practical | Check Practical

Topic:

Select Subject : Select Batch : Select Division :

Add Practical

Practical added successfully.practical id is :10

Attendance | **Practicals** | Account

Add Practical | Check Practical

Select Subject : Select Batch : Select Division :

Get Practical


Submitted On :2024-05-13 20:08:58

Status : Reply :

Submit

Practical ID	Student name	Student Id	topic	Date of submission	Reply	status	Action
10	Jane Smith	100003	Php mailer	13-05-2024			View Image

This is All about


Computer Engineering Department

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Select Subject : IWD

Total Lectures :2 Attended Lectures :1 Percentage :50%

ID	topic	subject name	faculty name	Date
26	unit testing	IWD	bhargav	08-05-2024
33	development	IWD	bhargav	11-05-2024


This is All about

[Attendance](#) | [Practicals](#) | [Account](#)

[Add Practical](#) | [Check Practical](#)


Select Subject : IWD Select Batch : 22 Select Division : A

Get Practicals


 Submitted On :2024-05-13 20:08:58 Status : Reply : [Submit](#)

Practical ID	Student name	Student Id	topic	Date of submission	Reply	status	Action
10	Jane Smith	100003	Php mailer	13-05-2024			View Image

This is All about


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Select Subject : IWD

Total Lectures :2 Attended Lectures :1 Percentage :50%

ID	topic	subject name	faculty name	Date
26	unit testing	IWD	bhargav	08-05-2024
33	development	IWD	bhargav	11-05-2024

This is All about

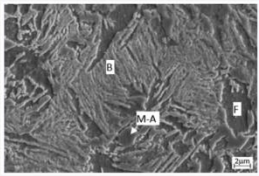

Computer Engineering Department

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ID	topic	faculty name	subject name	Date	Status	Message	Action
3	lab visit	aditya	CN	11-05-2024	APPROVED	done	View Image
4	Operator	bhargav	BOOP	11-05-2024			View Image
5	Process Life Cycle	aditya	BOS	11-05-2024	APPROVED	acasas	View Image
6	JVM	bhargav	AOPP	11-05-2024			View Image
7	Normalization	aditya	RDBMS	12-05-2024			Upload Image
8		aditya	BOS	12-05-2024			Upload Image
		bhargav	AOPP				Upload Image
10	Php mailer	bhargav	IWD	13-05-2024			View Image

This is All about

Attendance | Practicals | Account



Submit Date :2024-05-12 13:18:20

ID	topic	faculty name	subject name	Date	Status	Message	Action
3	lab visit	aditya	CN	11-05-2024	APPROVED	done	View Image
4	Operator	bhargav	BOOP	11-05-2024			View Image
5	Process Life Cycle	aditya	BOS	11-05-2024	APPROVED	accasas	View Image
6	JVM	bhargav	AOPP	11-05-2024			View Image
7	Normalization	aditya	RDBMS	12-05-2024			Upload Image
8		aditya	BOS	12-05-2024			Upload Image

Attendance | Practicals | Account

Take Attendance | Show Attendance

Topic
Php Mailer

Select Subject : IWD Select Batch : 22 Select Division : B

Take Attendance

ID	Name	Father Contact
100006	Emily Brown	5432109876
100007	Michael Miller	4321098765
100008	Sophia Davis	3210987654
100009	Matthew Wilson	2109876543
100010	Olivia Martinez	1098765432

Record Attendance

Attendance | Practicals | Account

Take Attendance | Show Attendance

Select Subject : IWD Select Batch : 22

Show Attendance

Select Topic : Php Mailer

ID	Name	Father Contact No,	lecture date&time
100006	Emily Brown	5432109876	2024-05-13 14:36:23
100008	Sophia Davis	3210987654	2024-05-13 14:36:23
100009	Matthew Wilson	2109876543	2024-05-13 14:36:23

This is All about

References & Tools

➔ Websites & Apps :-

- <https://www.geeksforgeeks.org/software-engineering/>
- <https://online.visual-paradigm.com/diagrams/>
- <https://app.creately.com/d/start/dashboard>
- <https://www.edrawmax.com/online-data-flow-diagram-maker.html>
- <https://www.w3schools.com/php/>