

**PROJECT REPORT
(MAJOR PROJECT)
ON**

ADVANCED DEPARTMENT MANAGEMENT SYSTEM

Submitted in Partial Fulfillment of Requirement of Master of Computer Application
IN



**CALCUTTA INSTITUTE OF TECHNOLOGY
BY**

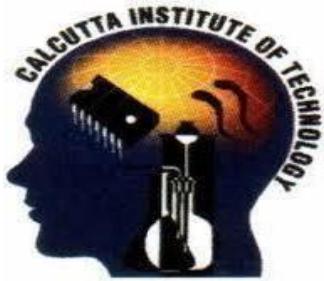
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**UNDER THE SUPERVISION OF
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**MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY,
WEST BENGAL**
(Formerly known as West Bengal University of Technology)

CALCUTTA INSTITUTE OF TECHNOLOGY



ADVANCED DEPARTMENT MANAGEMENT SYSTEM

Major Project Report



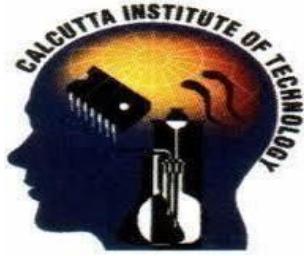
SUBMITTED BY :-

NAME : ARITRA DUTTA

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CALCUTTA INSTITUTE OF TECHNOLOGY BANITABALA, ULUBERIA, HOWRAH-711316

MASTER OF COMPUTER APPLICATION

CERTIFICATE OF APPROVAL

THIS IS TO CERTIFY THAT ARITRA DUTTA HAS COMPLETED HIS MCA (MASTER OF COMPUTER APPLICATION) FINAL YEAR PROJECT ENTITLED "ADVANCED DEPARTMENT MANAGEMENT SYSTEM". HE HAS DONE HIS PROJECT WORK UNDER THE SUPERVISION OF HIS GUIDE Mr. BIPLAB KANTI DAS, TEACHER-IN-CHARGE, MCA DEPARTMENT OF CALCUTTA INSTITUTE OF TECHNOLOGY, ULUBERIA. WE ARE SATISFIED WITH HIS WORK, WHICH IS BEING PRESENTED FOR THE PARTIAL FULFILLMENT FOR THE DEGREE OF MASTER OF COMPUTER APPLICATION, MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, KOLKATA- 700064.

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ABSTRACT

Department Management System is essential for an Institution or to a college or to a university, which utilizes computer, also which reduces manpower. Main Objective of this study is an important step towards stream lining this effort is to develop a framework and identify necessary properties that a secure and trusted online department working system must satisfy to reduce discovery redundancy. Such a framework will allow us to evaluate as well as compare the merits of existing and future candidate in department.

System should support multi- user environment. System should be fully automated. System should provide concrete security features like creating users and assigning privileges to users of the system. System should be capable to keep track of all the detailed descriptions of the client and the whole details of services offered by the client.

ACKNOWLEDGEMENT

Success of any project depends largely on the encouragement and guidelines of many others. We take this sincere opportunity to express our gratitude to the people who have helped and guided us throughout the process to successfully complete this project work. We would like to show our greatest appreciation and gratefulness to **Mr. Biplab Kanti Das**, Assistant Professor in the Master of Computer Application department at CALCUTTA INSTITUTE OF TECHNOLOGY. We always feel motivated and encouraged every time by his valuable advice and constant inspiration; without his encouragement and guidance, this project would not have materialized. We want to thank all our teachers for their encouragement and cooperation in carrying out this project work. The guidance and support received from all the members who contribute to this project us revisal for the success of this project.

Aritra Dutta

Department:

Master of Computer Application

Calcutta Institute of Technology

Uluberia-711316

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1. INTRODUCTION-

OBJECTIVE

Management System is a very important part of any educational institute. Project defines the all management of department System. It performs all functions which require to any educational institute.

In our system there are three types of users. First one is Admin, second one is Teacher and third one is Student.

For admin, they can login via their username and password to their account, after they are able to create a new batch when a session will be started and they can add teachers' data also. After batch creation admin have to generate the routine of newly created class and also can see the class routine. Admin can add subjects for each semester. Admin can also add classrooms. Admin can assign the theory subjects with respect to teachers as per the teacher's specialty, and also can assign the practical subjects with respect to teachers as per the teacher's specialty. Admin can assign classrooms for each semester where teachers will take the class .From admin dashboard admin can upload general notice and special notice (for some particular student). Admin can check students' feedback for any teacher. Admin can also check lesson plan which is given by teachers. Admin can see their profile details and also admin can change their login credential (password).

For teacher, they can login via their username and password to their account. After starting a new session teacher have to upload a lesson plan for each assigned subjects. Teacher can also see the class time table (routine). Teacher can check the allotted room where they can take the class. Teacher can upload class notes for each and every class which they have taken as per the class time table (routine). Also teacher can upload the class assignments. Teacher can see the general notices which are uploaded by admin for students. Teacher can see their profile details and also teacher can change their login credential (password).

For student, they can login via their username and password to their account. Student can view general notice and special notice. Student can write feedback for any teacher of their department. Students can see the assignments which are given by the teachers. Students can check their class time table (routine) which is generated by admin. Students can see their class notes which are given by teacher. Students can also give their examination. Students can see their profile details and also students can change their login credential (password).

SCOPE

- This work done is aimed at developing an Online Web-based “Advanced Department Management System” that is of importance to a specific department of a college.
- The system is a web-based application that can be accessed throughout the department of an organization. This system may be used for monitoring the overall activities as well as performance of the students.
- This work is being developed for an engineering to maintain and facilitate easy access to information. For this the users must be registered with the system after which they can access as well as modify data as per the permissions given to them.
- “Advanced Department Management System” is a web-based application that aims at providing information to all the levels of department in an organization. For a given student/teacher can access the system to either upload or download some information to/from the database.

2. *SPECIFIC REQUIREMENTS-*

A. USEABILITY

Software usability refers to the controlled element of user experience design that makes sure that users do not face problems when using a website's user interface or product. A designer has the ability to control user interface, usability, control accessibility and information architecture to match the uncontrolled elements such as user lifestyle, objectives and habits. What you need to know is that UX design usually makes use of the controlled elements of technology to fit the uncontrolled aspects.

B. RELIABILITY

a) Availability

System availability is a maintenance metric used to measure the amount of time—as a percentage—that an asset can be used for production. It calculates the probability that a system won’t experience downtime when workers need to use it.

Availability refers to the probability that a system performs correctly at a specific time instance (not duration). Interruptions may occur before or after the time instance for which the system’s availability is calculated. The service must:

- Be operational
- Adequately satisfy the defined specifications at the time of its usage

Availability is measured at its steady state, accounting for potential downtime incidents that can (and will) render a service unavailable during its projected usage duration. For example, a 99.999% (Five-9's) availability refers to 5 minutes and 15 seconds of downtime per year.

b) Accessibility

Accessibility is the right thing to do. Providing accessible sites is part of the law in some countries, which can open up some significant markets that otherwise would not be able to use your services or buy your products.

Building accessible sites benefits everyone:

- Semantic HTML, which improves accessibility, also improves SEO, making your site more findable.
- Caring about accessibility demonstrates good ethics and morals, which improves your public image.
- Other good practices that improve accessibility also make your site more usable by other groups, such as mobile phone users or those on low network speed. In fact, everyone can benefit from many such improvements.

C. Design Constraints

a). Software Language Used

- Java Development Kit(8)
- JSP
- Servlet
- Apache Tomcat Web Server(7.0.34)
- DATABASE MySQL

b). Development Tools

- VS Code Editor

c). Hardware Requirement

- **MINIMUM REQUIREMENT**

RAM:-2 GB

ROM:-256 GB

PROCESSOR:- DUAL CORE

4. Existing System:

In the Existing System, there is no Smart Attendance SystemConcept in any Project like us. There are no Auto Routine Generate concepts. There is no Concept of Special Notice for some Particular Students.

5. Proposed System:

In our proposal, there are three types of users: Admin, Teacher, and Student.

Admin can register the students and teacher into the system, Admin can generate routine. From admin dashboard admin can upload general notice and special notice (for some particular student). Admin can upload the marks report of students from the admin dashboard and can give remarks for the students according to their marks. Admin can check students' feedback for any teacher.

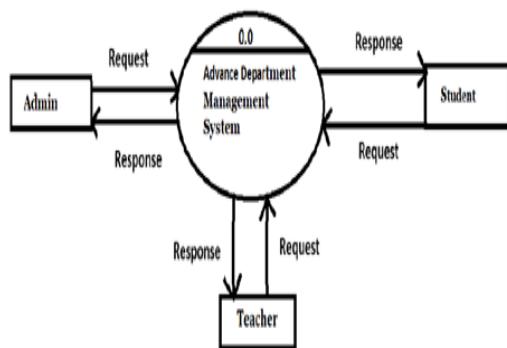
Teacher can upload assignments for student and take test of students and give them marks whatever they can secured.

Students can give test and submit assignments and check their marks and percentage of their attendance. Students can give the final exam with more security.

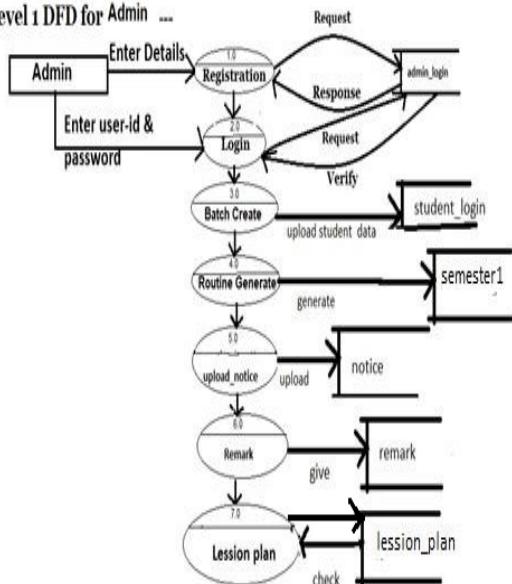
6. SYSTEM DEVELOPMENT ANALYSIS

DATA FLOW DIAGRAM(DFD)

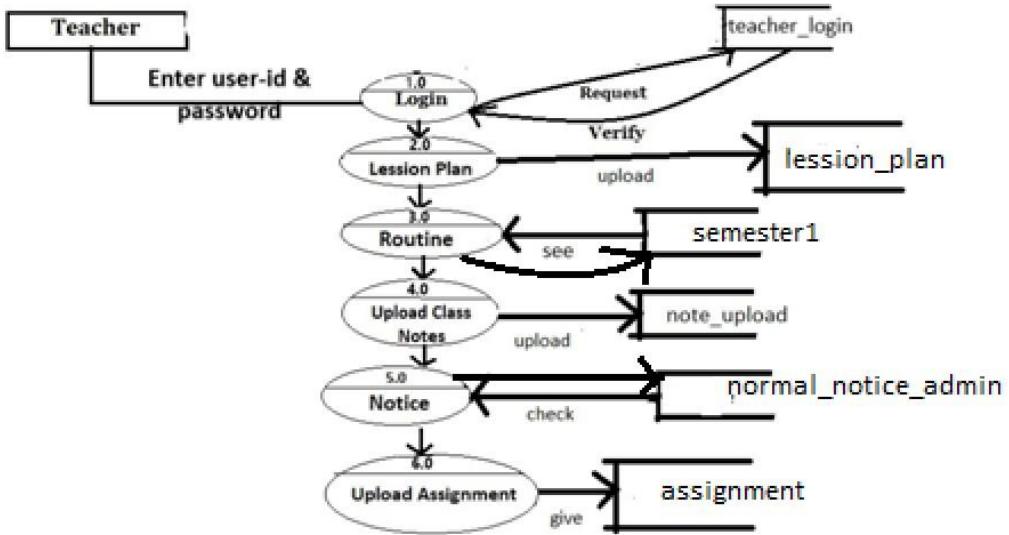
Context Level DFD ---



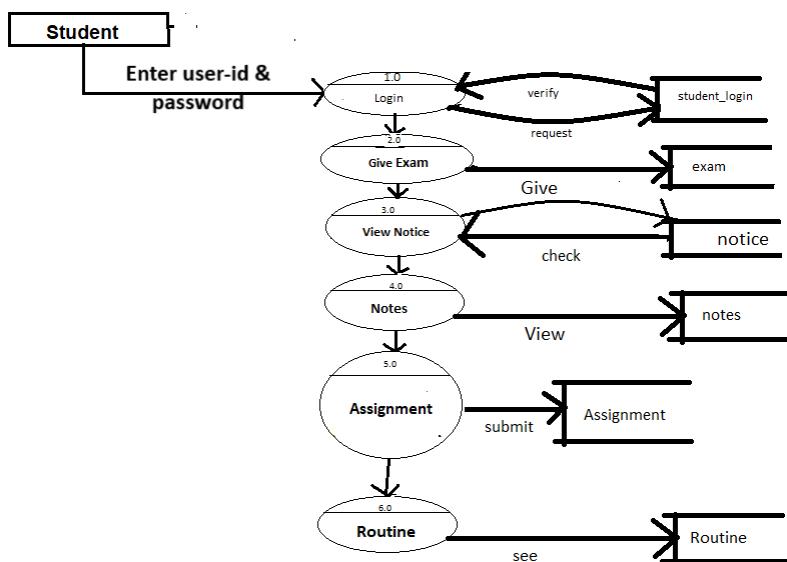
Level 1 DFD for Admin ...



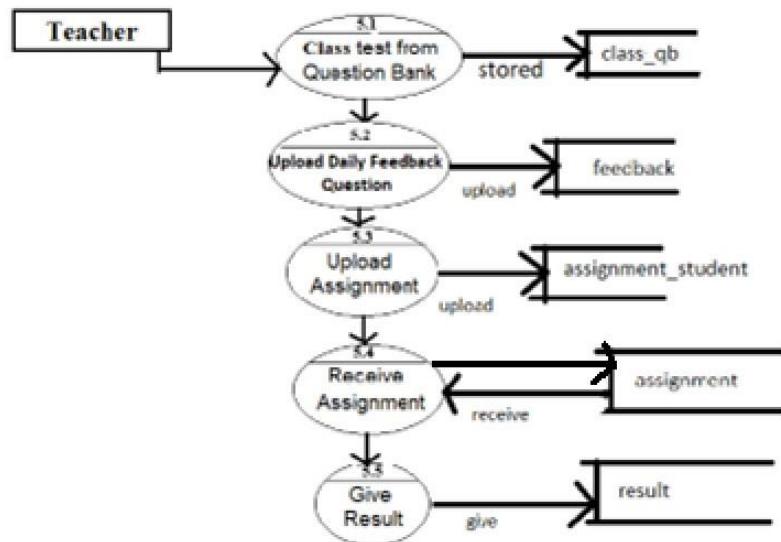
Level 1 DFD for Teacher---



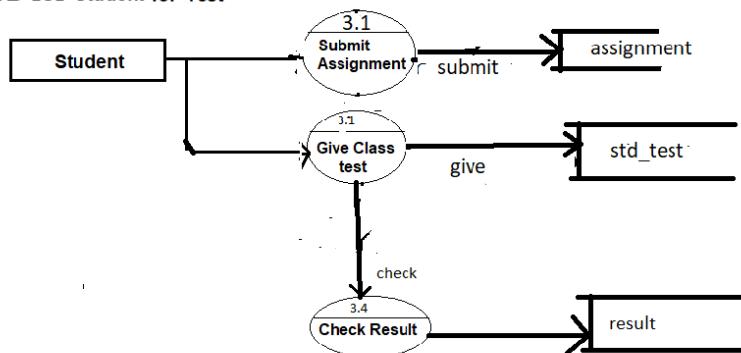
Level 1 DFD for Student---



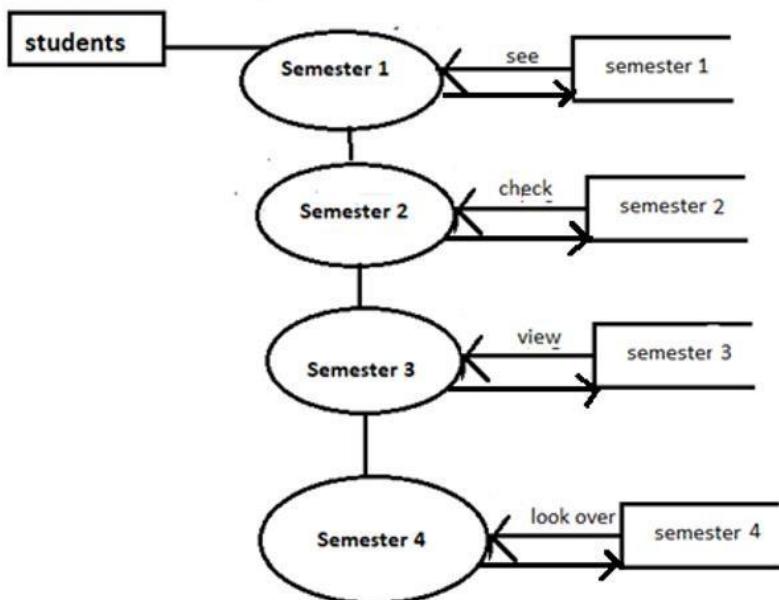
Level 2 DFD for Teacher For Test ---



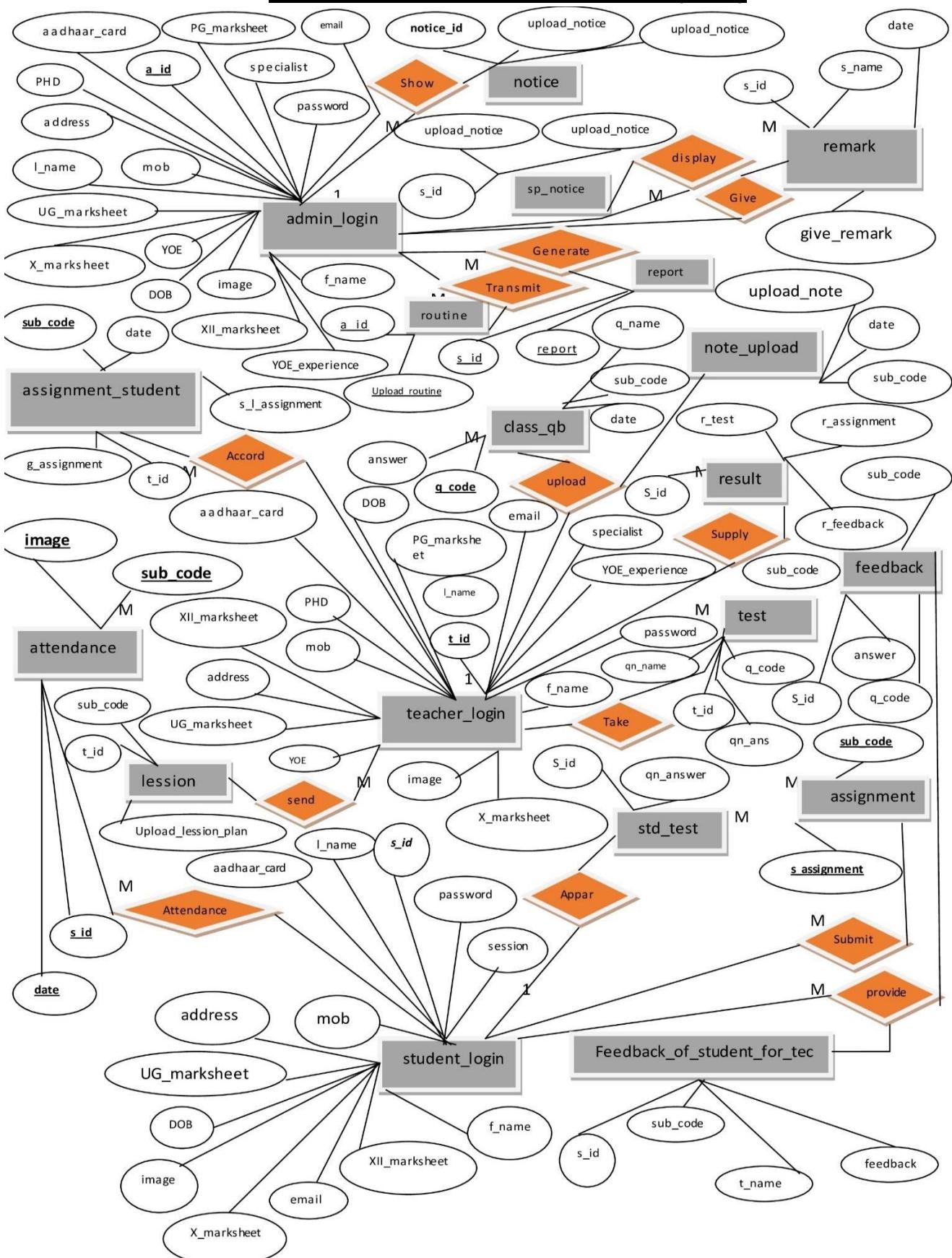
Level 2 DFD for Student-for Test ...



Level 2 DFD for Student for routine



ENTITYRELATIONSHIPDIAGRAM(ERD)



USECASEDIAGRAM

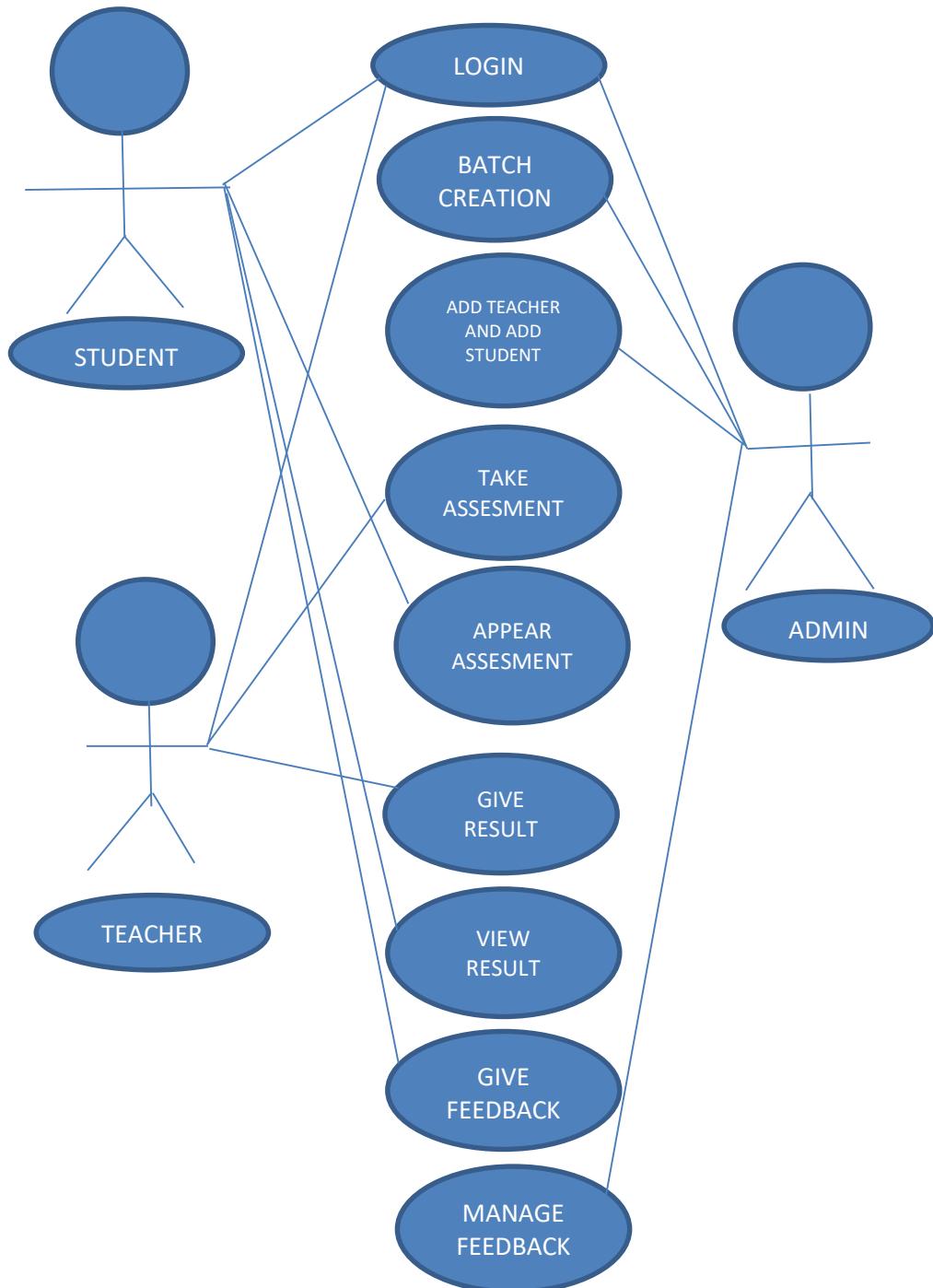


TABLE STRUCTURE

STUDENTTABLES

student_login-

Fieldname	DataType	Size	Constrain
s_id	varchar	10	key Primary
password	varchar	10	not null
f_name	varchar	30	not null
l_name	varchar	30	not null
mob	varchar	10	not null
email	varchar	30	not null
address	varchar	50	not null
DOB	date	8	not null
X-marksheet	varchar	200	not null
XII-marksheet	varchar	200	not null
UG-marksheet	varchar	200	not null
aadhaar card	varchar	12	not null
Session	varchar	20	not null
image	varchar	200	not null

assignment-

Fieldname	Data Type	Size	Constrain
sub_code	varchar	10	Foreignkey
s_assignment	varchar	200	not null
s_id	varchar	4	Foreignkey

feedback--

Field name	Data Type	Size	Constrain
q_code	varchar	5	Foreignkey
sub_code	varchar	3	Foreignkey
s_id	varchar	10	Foreignkey
ans	varchar	100	not null

std_test-

Fieldname	Data Type	Size	Constrain
s_id	varchar	4	ForeignKey
qn_answer	varchar	20	not null

feedback_of_student_for_tec-

Fieldname	Data Type	Size	Constrain
s_id	varchar	4	Foreignkey
sub_code	varchar	5	not null
t_name	varchar	20	not null
feedback	varchar	200	not null

ADMINTABLES

admin_login-

Fieldname	Data Type	Size	Constrain Primary
a_id	varchar	10	key
password	varchar	10	not null
f_name	varchar	30	not null
l_name	varchar	30	not null
mob	varchar	10	not null
email	varchar	30	not null
address	varchar	50	not null
DOB	date	8	not null
X-marksheet	varchar	200	not null
XII-marksheet	varchar	200	not null
UG-marksheet	varchar	200	not null
PG-marksheet	varchar	200	not null
PHD	varchar	200	not null
aadhaar card	varchar	12	not null
specialist	varchar	20	not null
YOE	number	2	not null
YOE-certificate	varchar	200	not null
image	varchar	200	not null

remark-

Fieldname	Data Type	Size	Constrain
s_name	Varchar	30	not null Foreign
s_id	Varchar	10	Key
give_remark	Varchar	100	not null
date	date	20	not null

notice-

	Data		
	Type	Size	Constrain

notice_id	varchar	10	PrimaryKey
notice_topic	varchar	200	not null
upload_notice	varchar	2000	not null

sp_notice-

Fieldname	Data		
	Type	Size	Constrain
s_id	varchar	4	Foreignkey
upload_notice	varchar	200	not null
topic_notice	varchar	200	not null

routine-

Fieldname	DataType	Size	Constrain
a_id	varchar	4	Foreignkey
upload_routine	varchar	200	not null

report-

Fieldname	DataType	Size	Constrain
s_id	varchar	4	Foreignkey
upload_report	varchar	200	not null

TEACHERTABLES—

teacher_login-

Fieldname	Data Type	Size	Constrain
t_id	varchar	10	Primarykey
password	varchar	10	not null
f_name	varchar	30	not null
l_name	varchar	30	not null
mob	varchar	10	not null
email	varchar	30	not null
address	varchar	50	not null
DOB	date	8	not null
X-marksheet	varchar	200	not null
XII-marksheet	varchar	200	not null
UG-marksheet	varchar	200	not null
PG-marksheet	varchar	200	notnull
PHD	varchar	200	not null
aadhaar card	varchar	12	not null
specialist	varchar	20	not null
YOE	number	2	not null
YOE-certificate	varchar	200	not null
image	varchar	200	not null

assignment_student-

Fieldname	Data Type	Size	Constrain
			Primary
sub_code	varchar	3	key
date	date	8	not null
g_assignment	varchar	200	not null
s_l_date	varchar	8	not null
			Foreign
t_id	varchar	10	Key

lesson-

Fieldname	DataType	Size	Constrain
t_id	varchar	10	Foreignkey
sub_code	varchar	4	Foreignkey
upload_lesson_plan	varchar	200	not null

class_qb-

Fieldname	Type	Size	Data Constrain
q_code	varchar	5	PrimaryKey
q_name	varchar	200	not null
answer	varchar	100	not null
sub_code	varchar	3	Foreignkey
date	date	8	not null

note_upload-

Fieldname	Type	Size	Data Constrain
sub_code	varchar	4	Foreignkey
upload_notes	varchar	200	not null
date	date	8	not null

result-

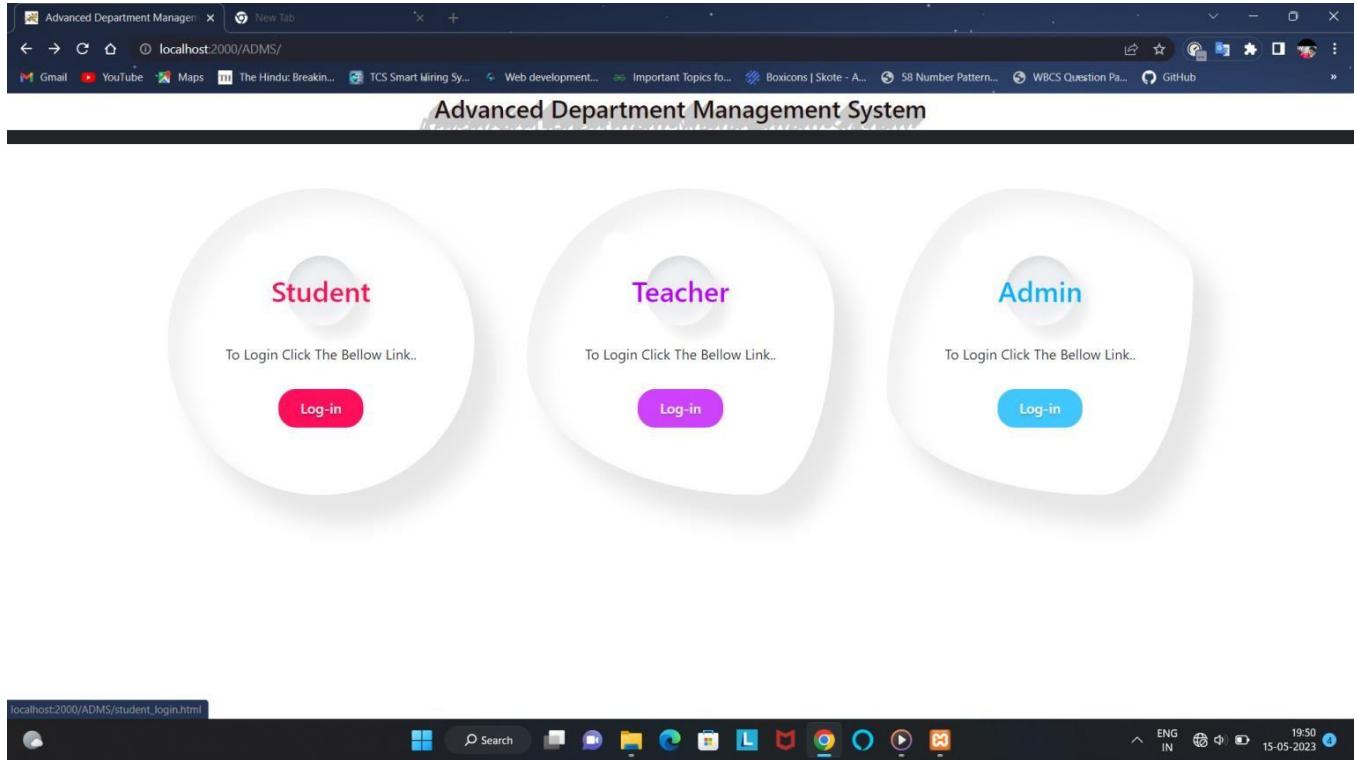
Field name	Type	Size	Data Constrain
s_id	varchar	4	Foreignkey
r_test	varchar	10	not null
r_asn	varchar	10	not null
r_feedback	varchar	10	not null

test-

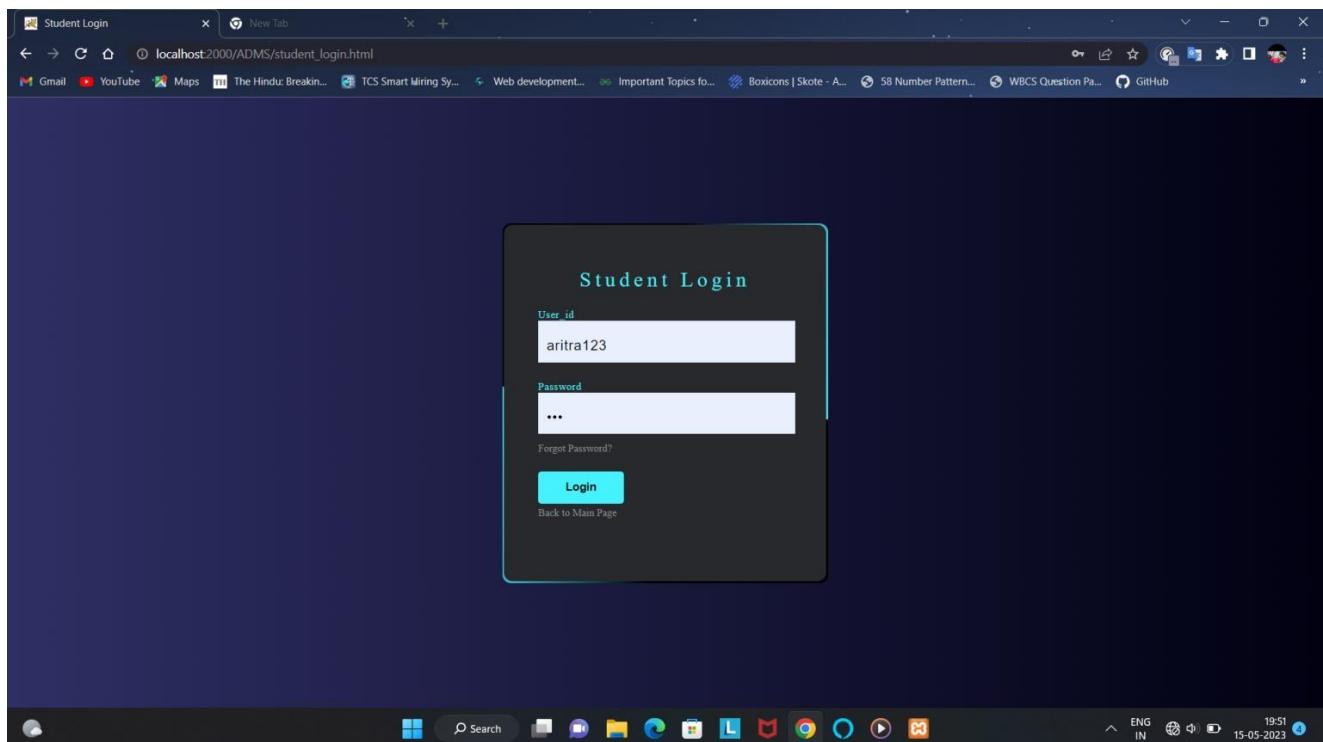
Field name	Type	Size	Data Constrain
q_code	varchar	4	Foreignkey
sub_code	varchar	4	Foreignkey
qn_name	varchar	200	not null
qn_ans	varchar	200	not null
t_id	varchar	10	Foreignkey

9. SAMPLE SCREENSHOT

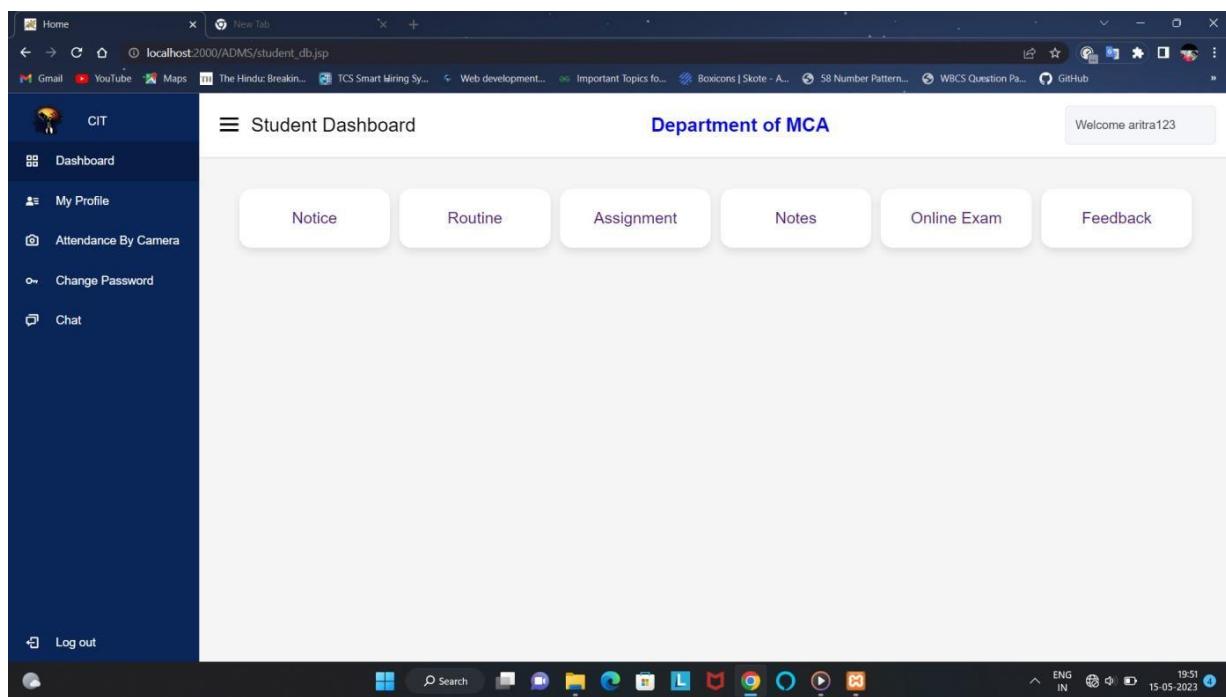
1. This is the front page of our website



2. This is the student login form



3.This is our student dashboard



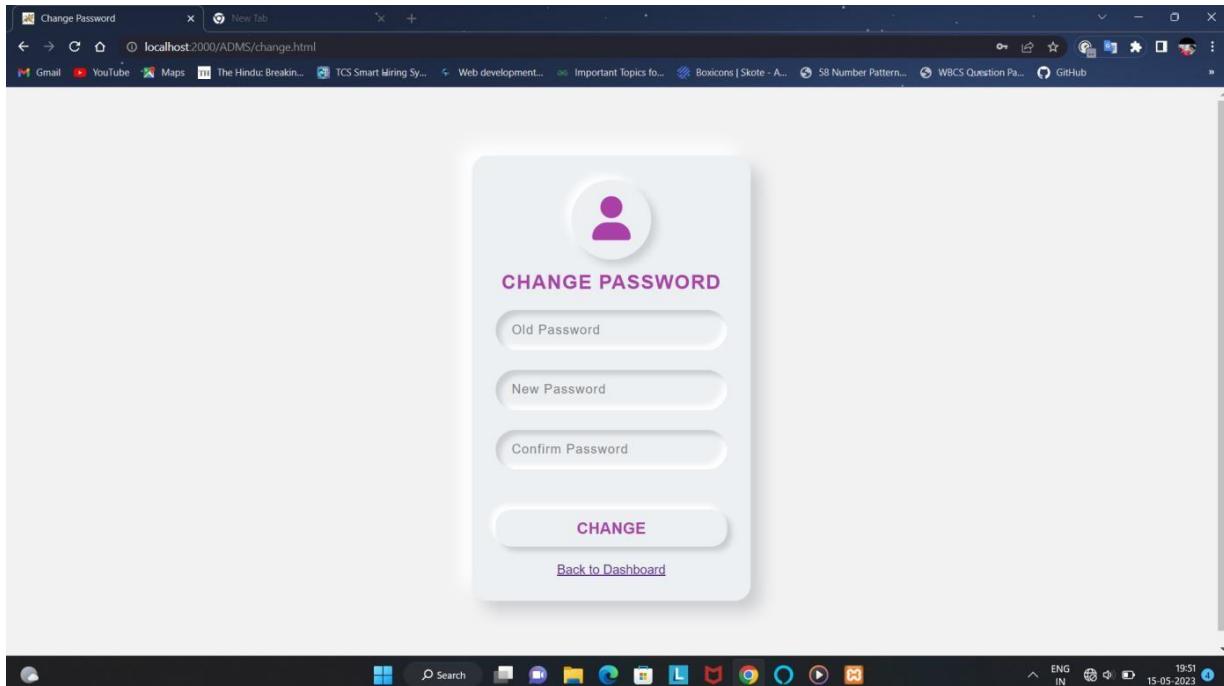
4. Display the student profile

The screenshot shows a web browser window titled "My Profile" under the "localhost:2000/ADMS/myprofile.jsp" URL. The page displays a table with the following data:

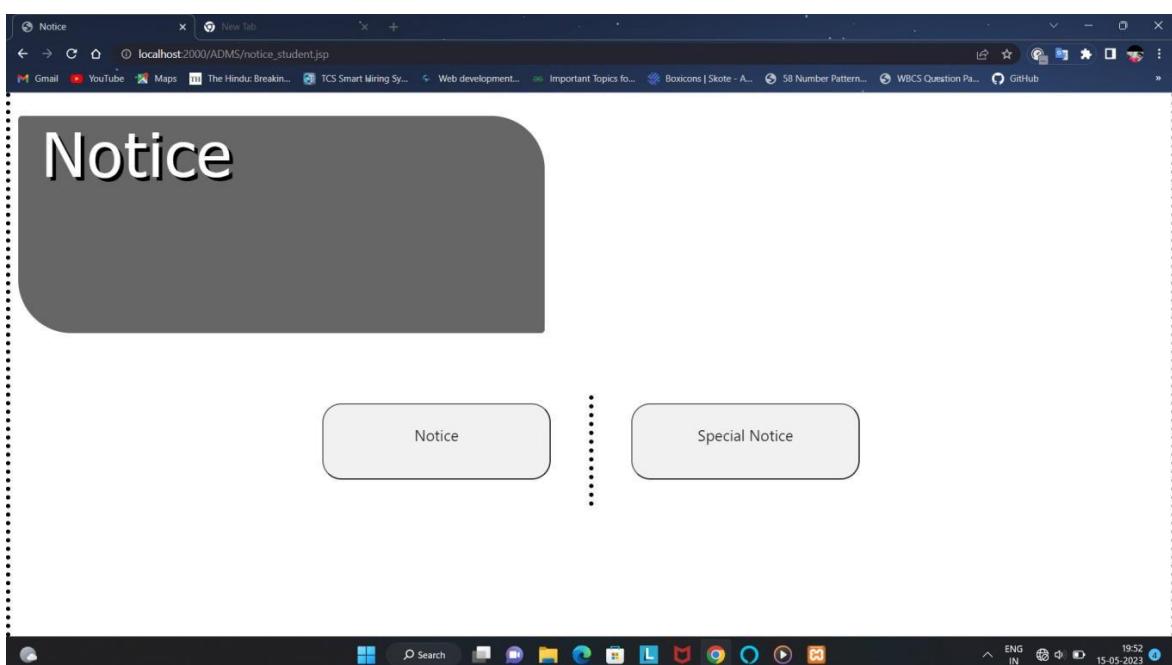
Sid	First Name	Last Name	Gender	Ph No	Email	Address	Dob	Semester	Session
aritra123	Aritra	Dutta	Male	8420222247	placementaritra@gmail.com	Kolkata	2001-04-08	3	2021-2023

At the bottom of the screen, the Windows taskbar is visible with various icons.

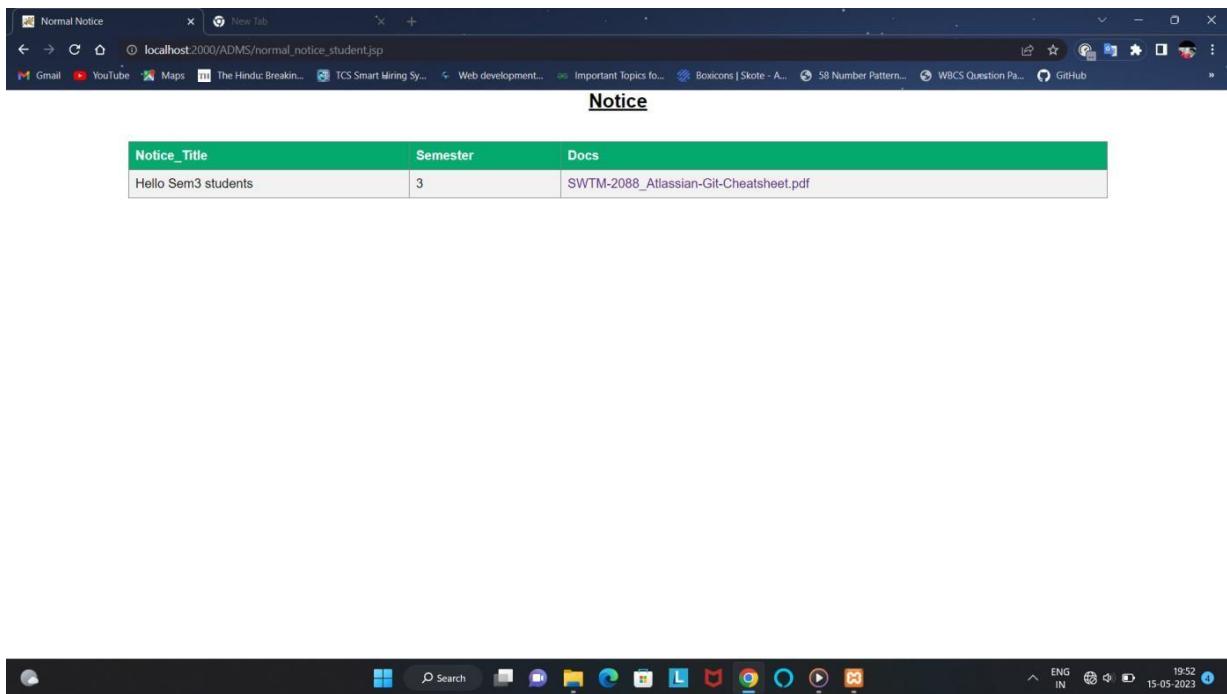
5. This is the change password form



6. This is the notice options



7. Displaying the general notice

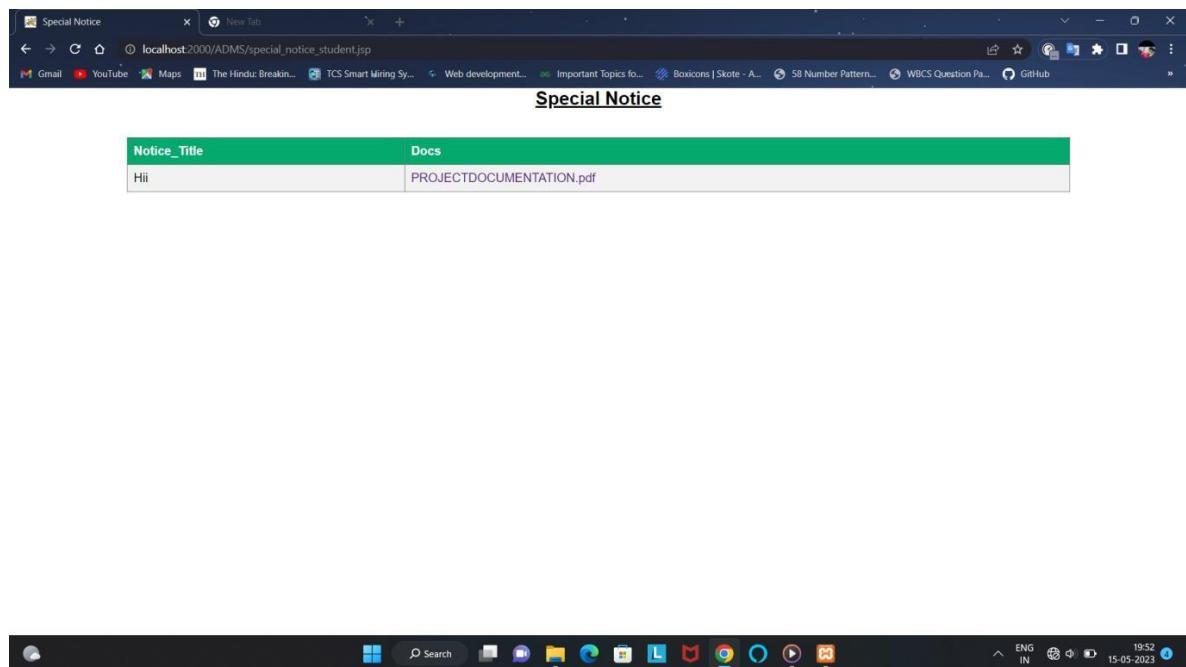


A screenshot of a Microsoft Edge browser window. The title bar says "Normal Notice". The address bar shows "localhost:2000/ADMS/normal_notice_student.jsp". The page content is titled "Notice" and contains a table:

Notice_Title	Semester	Docs
Hello Sem3 students	3	SWTM-2088_Atlassian-Git-Cheatsheet.pdf

The browser's taskbar at the bottom shows various pinned icons like Gmail, YouTube, Maps, etc.

8. Displaying Special notice.

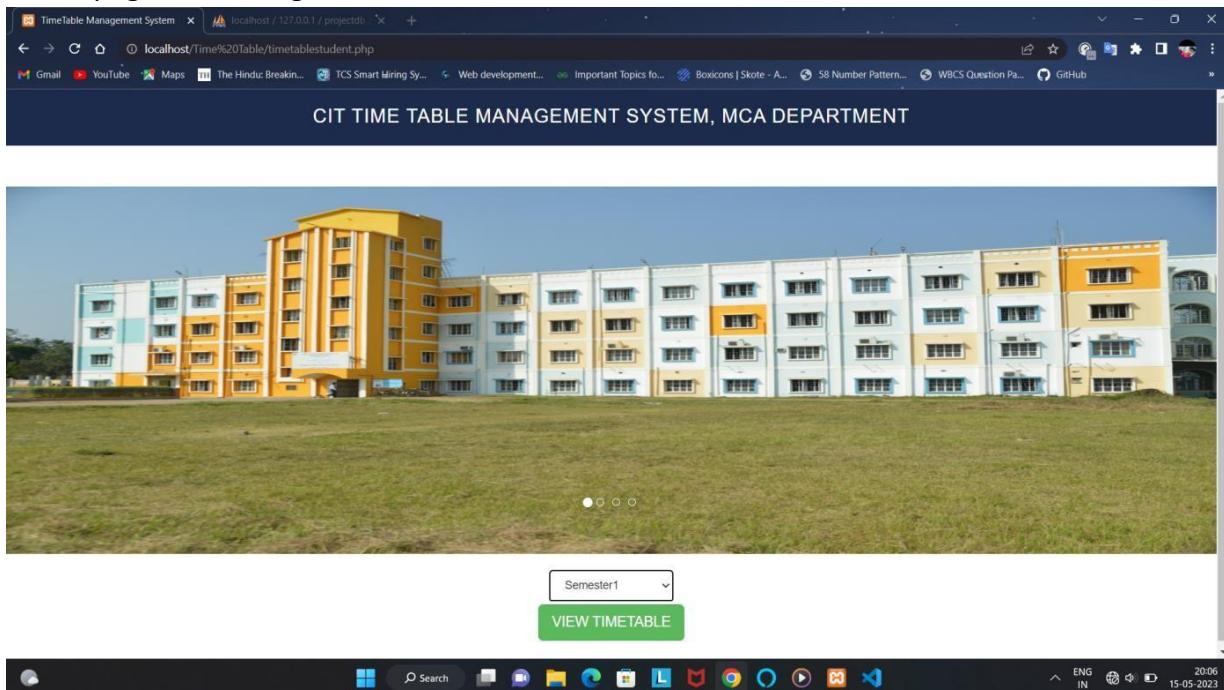


A screenshot of a Microsoft Edge browser window. The title bar says "Special Notice". The address bar shows "localhost:2000/ADMS/special_notice_student.jsp". The page content is titled "Special Notice" and contains a table:

Notice_Title	Docs
Hii	PROJECTDOCUMENTATION.pdf

The browser's taskbar at the bottom shows various pinned icons like Gmail, YouTube, Maps, etc.

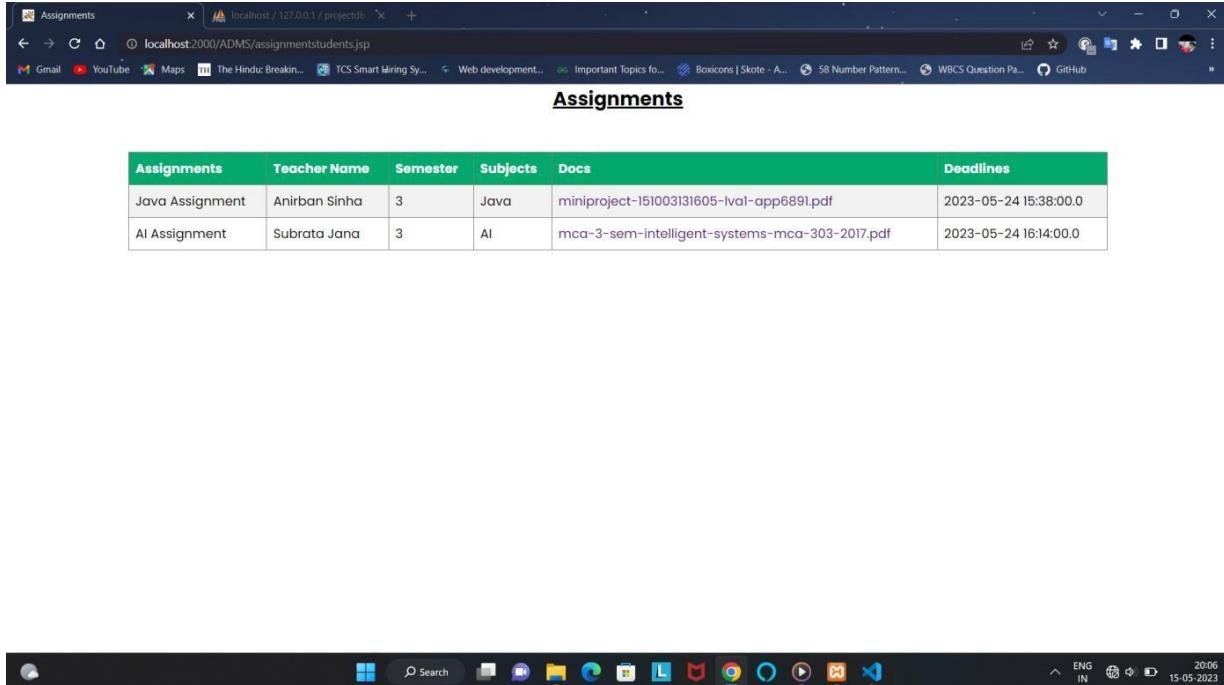
9. First page of showing the class routine



10. Here showing the class routine

A screenshot of a web browser window titled "localhost/Time%20Table/studentvalidation.php". The main content area displays a table titled "MCA DEPARTMENT SEMESTER 1 (305)". The table has nine columns representing time slots from 10:00-11:00 to 4:30-5:30. The rows represent days of the week: TUESDAY, WEDNESDAY, THURSDAY, FRIDAY, and SATURDAY. Each cell in the table contains a course code like MCANE105A or MCAN101. Below the table, there is descriptive text about the courses and their professors. At the bottom of the page is a blue "SAVE AS PDF" button. The browser's address bar shows the URL "localhost/Time%20Table/studentvalidation.php". The taskbar at the bottom of the screen displays various application icons.

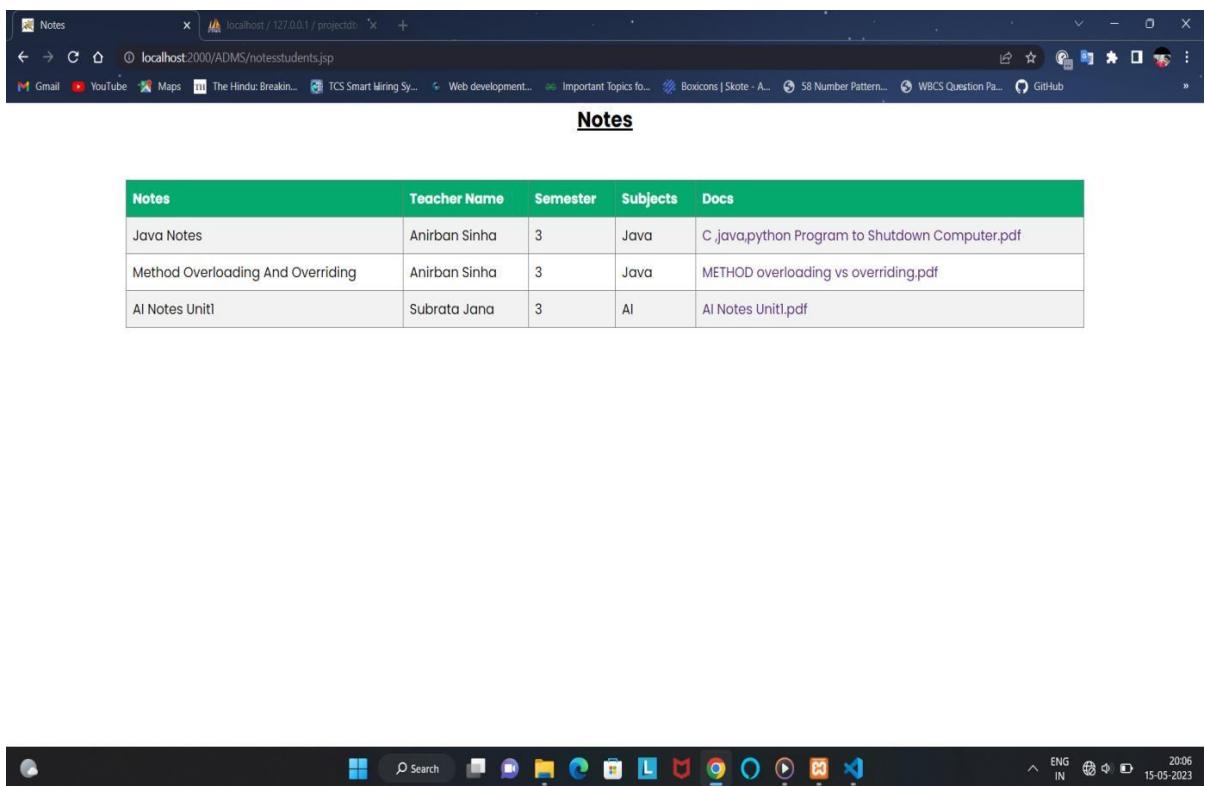
11. Student can show the uploaded assignment like that



A screenshot of a web browser window titled "Assignments". The URL is "localhost:2000/ADMS/assignmentstudents.jsp". The page displays a table with the following data:

Assignments	Teacher Name	Semester	Subjects	Docs	Deadlines
Java Assignment	Anirban Sinha	3	Java	miniproject-151003131605-lval-app6891.pdf	2023-05-24 15:38:00.0
AI Assignment	Subrata Jana	3	AI	mca-3-sem-intelligent-systems-mca-303-2017.pdf	2023-05-24 16:14:00.0

12. Student can show the uploaded class notes like that



A screenshot of a web browser window titled "Notes". The URL is "localhost:2000/ADMS/notestudents.jsp". The page displays a table with the following data:

Notes	Teacher Name	Semester	Subjects	Docs
Java Notes	Anirban Sinha	3	Java	C.java,python Program to Shutdown Computer.pdf
Method Overloading And Overriding	Anirban Sinha	3	Java	METHOD overloading vs overriding.pdf
AI Notes Unit1	Subrata Jana	3	AI	AI Notes Unit1.pdf

13. Exam page

The screenshot shows a web browser window titled "localhost / 127.0.0.1 / projectdb" displaying an examination page. The page has a header "Welcome to the examination Page". It contains 20 numbered questions (I-XII, XVI-XVIII) with dropdown menus for answers. Questions include topics like Java primitive data types, array references, and exception handling. A "Feedback" section at the bottom includes fields for Teacher Name, Rating, and a large text area for Feedback Message.

Question I
How many Number of primitive data types in Java are?
• A). 8
• B). 7
• C). 6
• D). 5

Question II
What is the size of float and double in java?
• A). 64 and 32
• B). 32 and 32
• C). 32 and 64
• D). 64 and 64

Question III
Find the output of the following code.
int Integer = 24;
char String = 'I';
System.out.print(Integer);
System.out.print(String);
• A). I
• B). 24 I
• C). Compiler Error
• D). Throws Exception

Question IV
in which of the following is toString() method defined?
— Select Option —

Question VI
When an array is passed to a method, what does the method receive?
— Select option —

Question VII
array in java are-
• A). Object reference
• B). Objects
• C). none
• D). Primitive Data types

Question VIII
When is the object created with new keyword?
• A). Compile time
• B). At run time
• C). Depends on the code
• D). none

Question IX
Identify the keyword among the following that makes a variable belong to a class, rather than being defined for each instance of the class
• A). final
• B). Static
• C). volatile
• D). abstract

Question X
in which of the following is toString() method defined?
— Select Option —

Question XI
toString() is defined in java.lang.Object.
• A). True
• B). False
• C). none
• D). An int value

Question XII
To which of the following does the class string belong to.
• A). java.lang
• B). java.awt
• C). java.applet
• D). java.string

Question XIII
Total constructor string class have?
• A). 13
• B). 3
• C). 5
• D). 14

Question XIV
Identify the return type of a method that does not return any value.
• A). void
• B). int
• C). double
• D). none

Question XVI
Output of Math.ceil(3.6)?
Enter your A:

Question XVII
What is Runnable?
— Select Option —

Question XVIII
Exception created by try block is caught in which block?
• A). catch
• B). throw
• C). final
• D). none

Question XIX
Where is System class defined?
• A). java.lang.package
• B). java.util.package
• C). none
• D). all of the above

Question XX
Identify the interface which is used to declare core methods in java?
• A). Eventlistener
• B). comparator

14. Student feedback form

The screenshot shows a web browser window titled "localhost / 127.0.0.1 / projectdb" displaying a feedback form. The page has a header "Feedback". It includes fields for Teacher Name (dropdown), Rating (dropdown), and a large text area for Feedback Message. A "Submit" button is at the bottom.

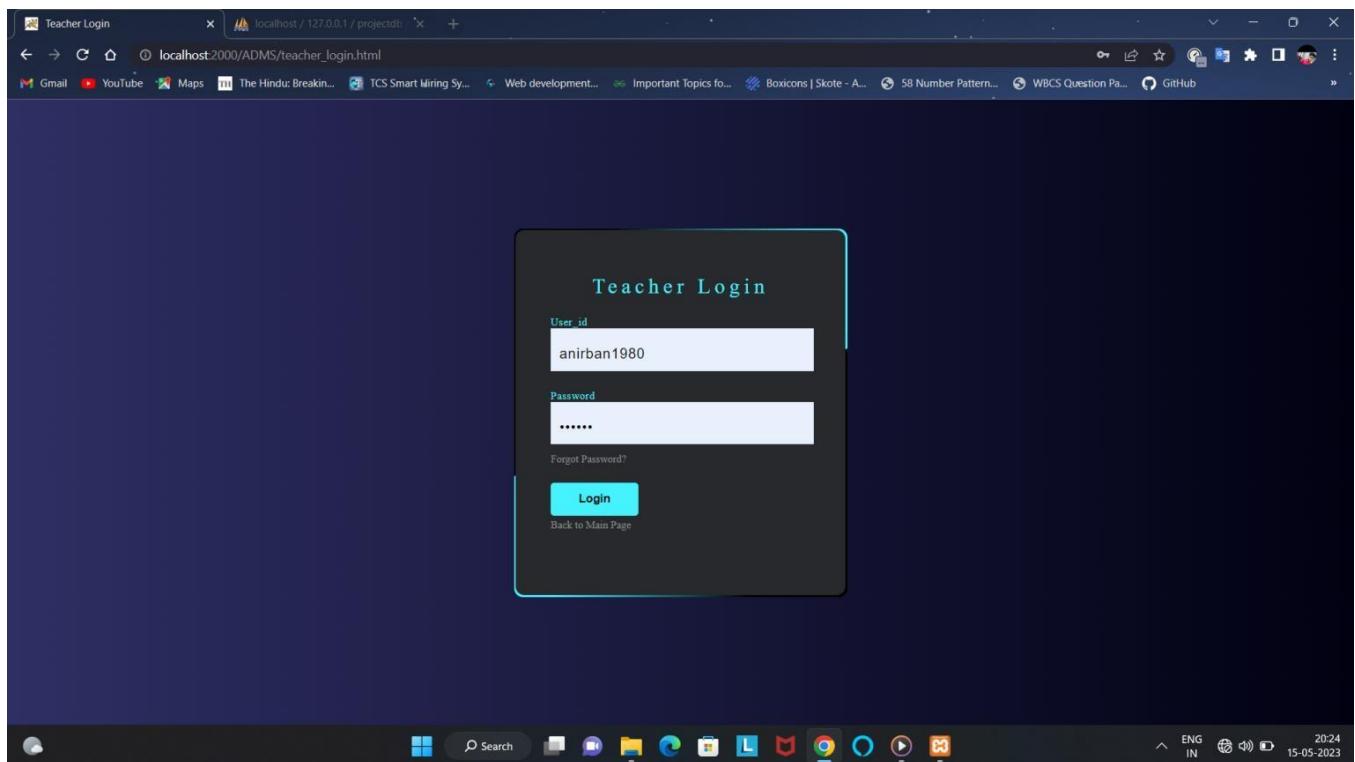
Teacher Name : Biplab Kanti Das

Rating : 5

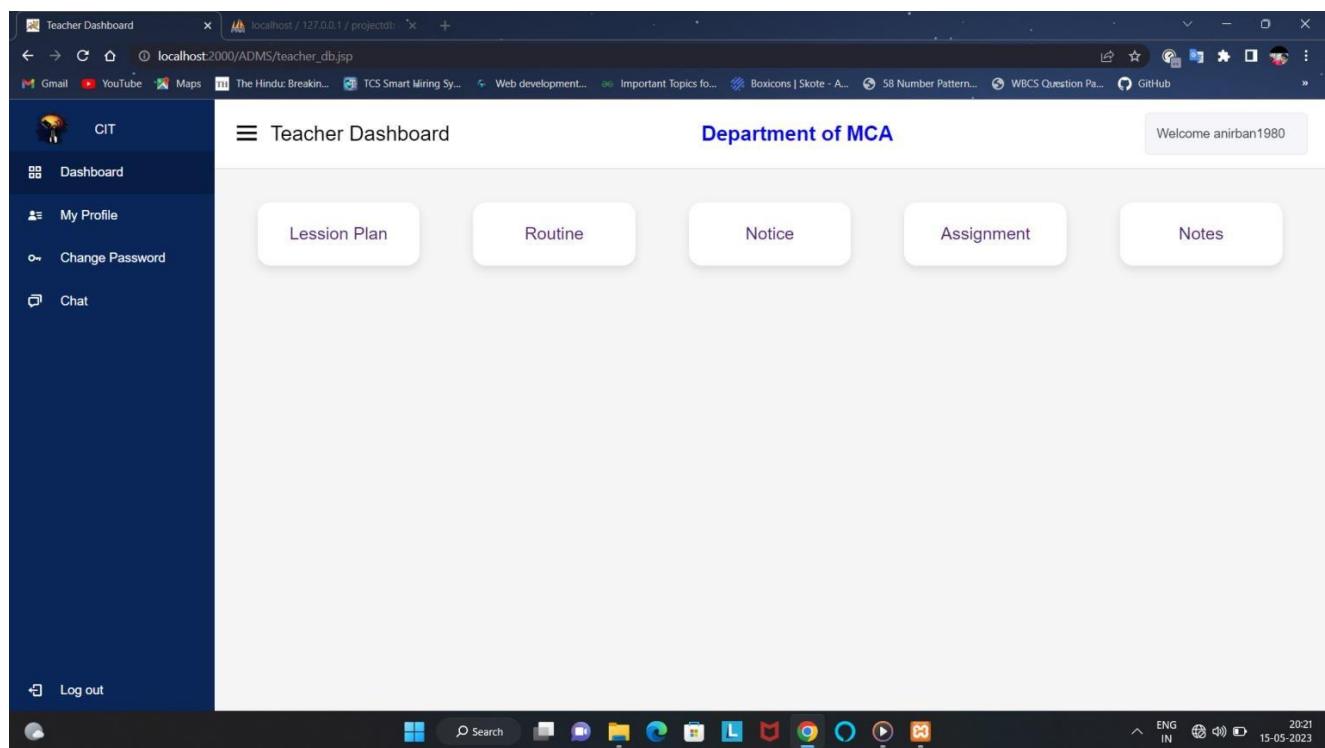
Feedback Message :

Submit

15. This is the teacher login form



16. This is the Teacher dashboard page



17. This is the teacher profile page

Tid	First Name	Last Name	Gender	Ph No	Email	Address	Dob	Alias	Designation
anirban1980	Anirban	Sinha	male	9836088753	ascit@gmail.com	hoogly	1980-05-04	Prof.	Assistant Professor

18. Teacher will update the lesson plan from here

Session : 2021-2023

Semester : sem1

Subjects : C

Title :

Upload Lesson Plan : Choose File

Submit

19. Teacher can show their class routine from here

The screenshot shows a web browser window titled "TimeTable Management System" with the URL "localhost:127.0.0.1/projectid". The page displays a table for "MCA DEPARTMENT SEMESTER 1 (305)". The table has columns for Weekdays, Time Slots, and Course Details. Below the table, there is some descriptive text about course details and professors, followed by a "SAVE AS PDF" button.

WEEKDAYS	10:00-11:00	11:00-12:00	12:00-1:00	1:00-1:30	1:30-2:30	2:30-3:30	3:30-4:30	4:30-5:30
TUESDAY	MCANE105A	MCANE105A	MCANE105A	LUNCH	MCAN101	MCAN101	MCAN103	MCAN102
WEDNESDAY	MCAN101	MCAN102	MCAN102	LUNCH	MCAN304B	MCANE105A	MCAN103	MCAN103
THURSDAY	MCAN103	MCAN103	MCAN101	LUNCH	MCAN1C2	MCAN102	MCANE105A	MCANE105A
FRIDAY	MCAN101	MCAN101	MCAN102	LUNCH	MCAN103	MCAN103	MCANE105A	MCANE105A
SATURDAY	MCAN101	MCAN103	MCAN103	LUNCH	MCANE105A	MCANE105A	MCAN102	MCAN102

MCAN101: Python, Prof.: Biplob Kanti Das
 MCAN102: C, Prof.: Anirban Sinha
 MCAN103: Computer Organization and Architecture , Prof.: Subrata Jana
 MCANE105A: Python Lab, Prof.: Biplob Kanti Das , Prof.: Debabrata Jana,
Department of MCA,Calcutta Institute of Technology

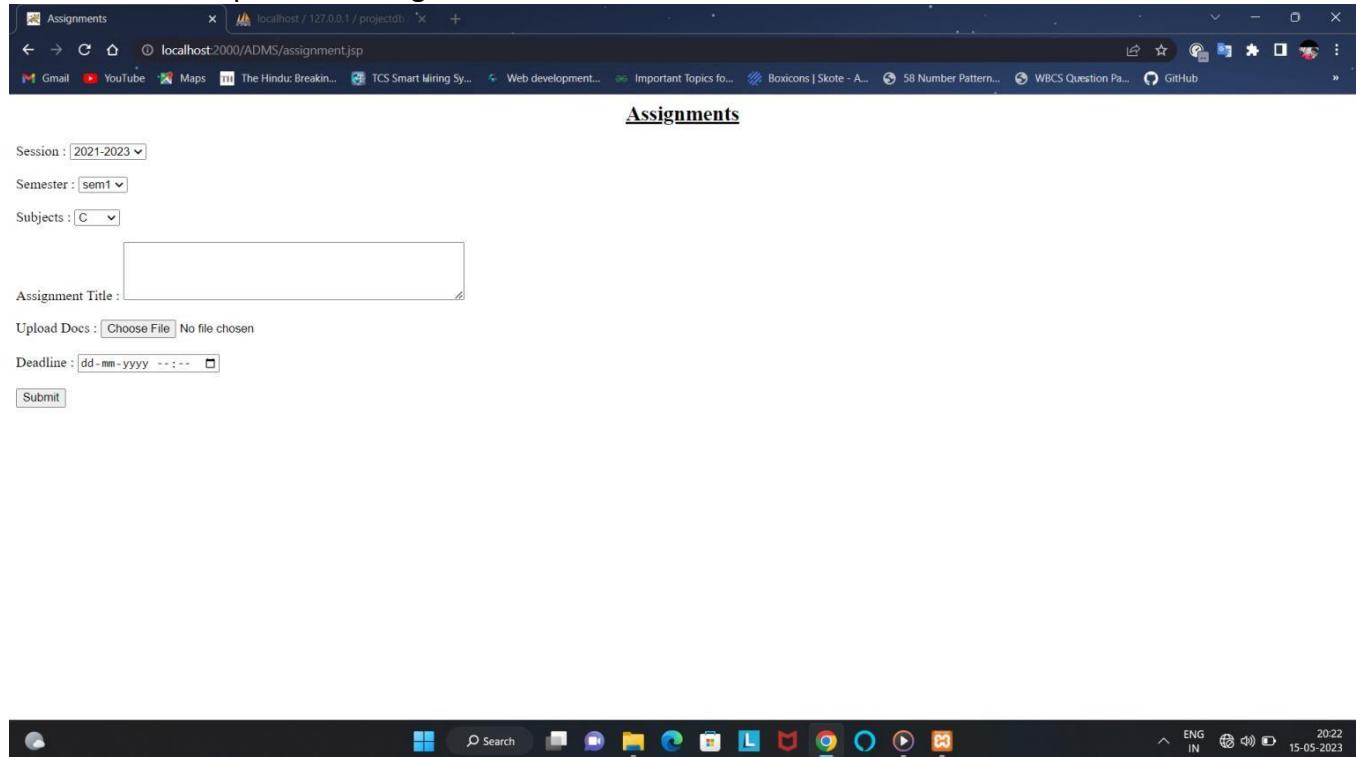
[SAVE AS PDF](#)

20. Teacher will see the notice

The screenshot shows a web browser window titled "Normal Notice" with the URL "localhost:2000/ADMS/notice_teacher.jsp". The page displays a table titled "Notice" with columns for Notice Title, Semester, Session, and Docs. The table contains five rows of notice information.

Notice_Title	Semester	Session	Docs
Hello Students	2	2021-2023	SWTM-2088_Atlassian-Git-Cheatsheet.pdf
Hello Students	2	2021-2023	PROJECTDOCUMENTATION.pdf
Hello Sem3 students	3	2021-2023	SWTM-2088_Atlassian-Git-Cheatsheet.pdf
Hello Sem1 students	1	2021-2023	SWTM-2088_Atlassian-Git-Cheatsheet.pdf
Hello Sem1	1	2022-2024	Time Management - Classroom session.pdf

21. Teacher will upload the assignments



Assignments

Session : 2021-2023

Semester : sem1

Subjects : C

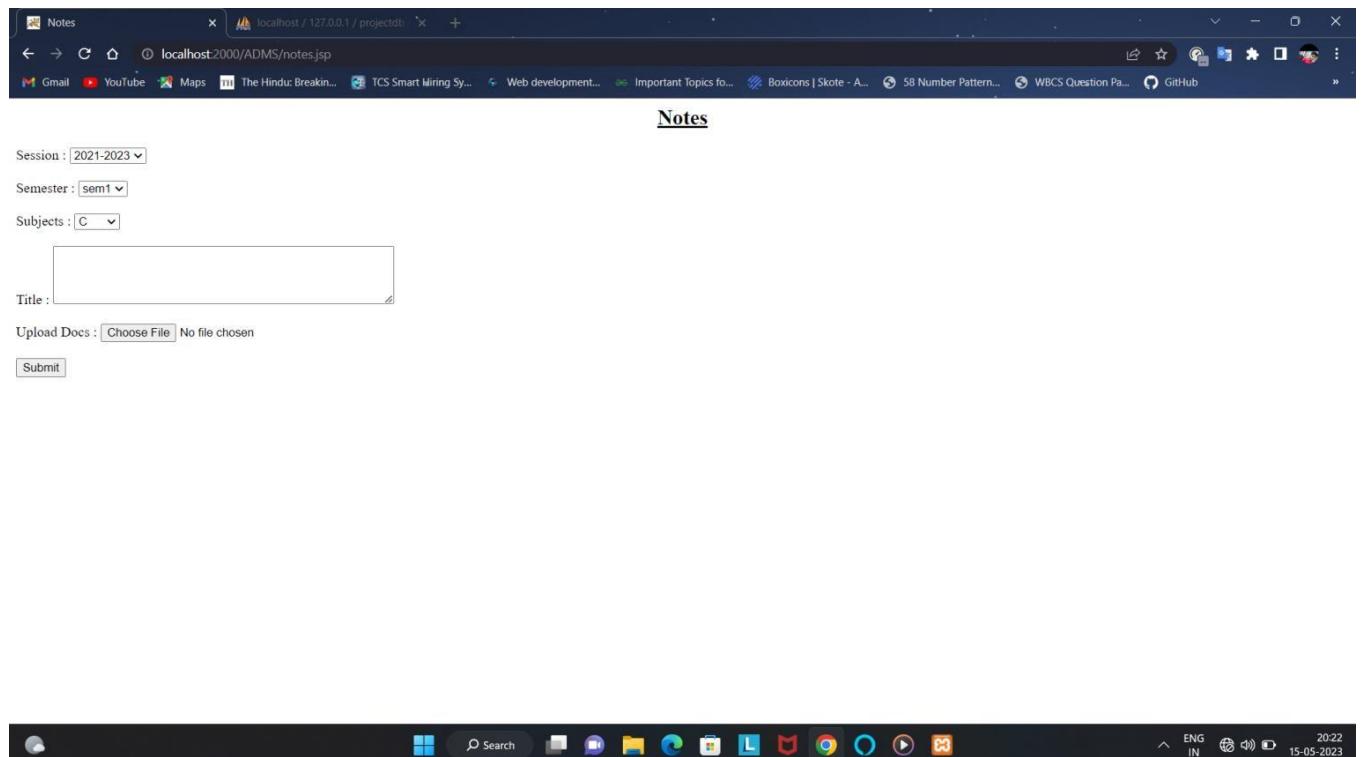
Assignment Title :

Upload Docs : Choose File No file chosen

Deadline : dd-mm-yyyy -- :--

Submit

21. Teacher will upload the notes from here



Notes

Session : 2021-2023

Semester : sem1

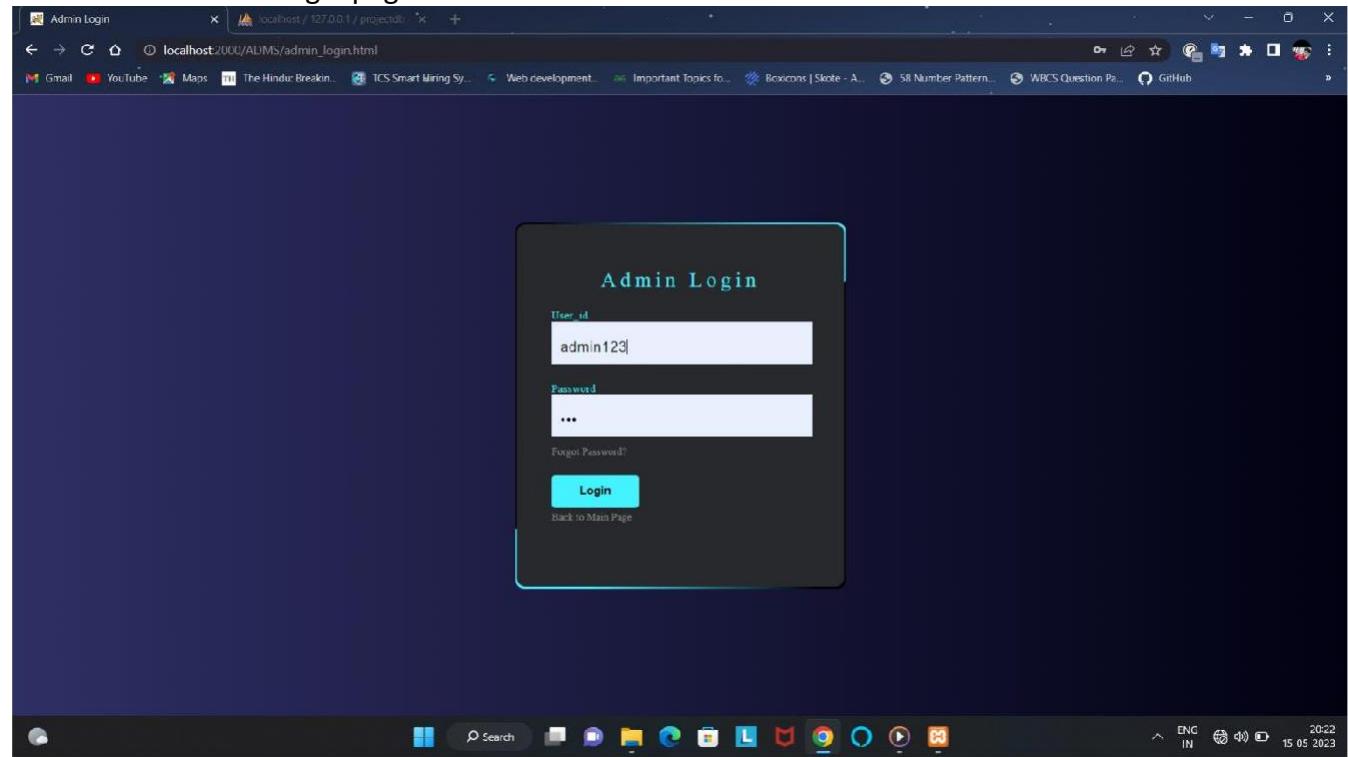
Subjects : C

Title :

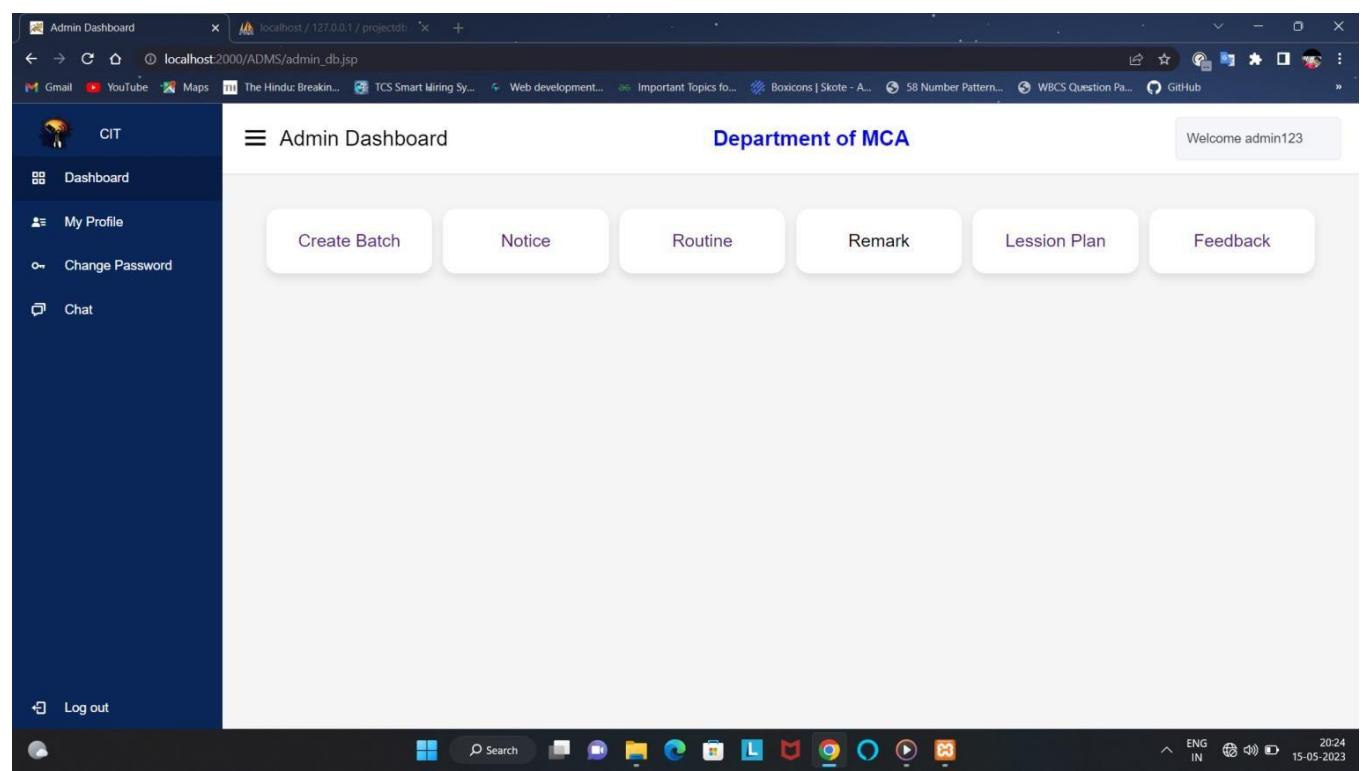
Upload Docs : Choose File No file chosen

Submit

22. This is the admin login page



23. This is the admin dashboard



24. Admin profile page

The screenshot shows a web browser window titled "My Profile" with the URL "localhost:2000/ADMS/myprofileadmin.jsp". The page displays a table with the following data:

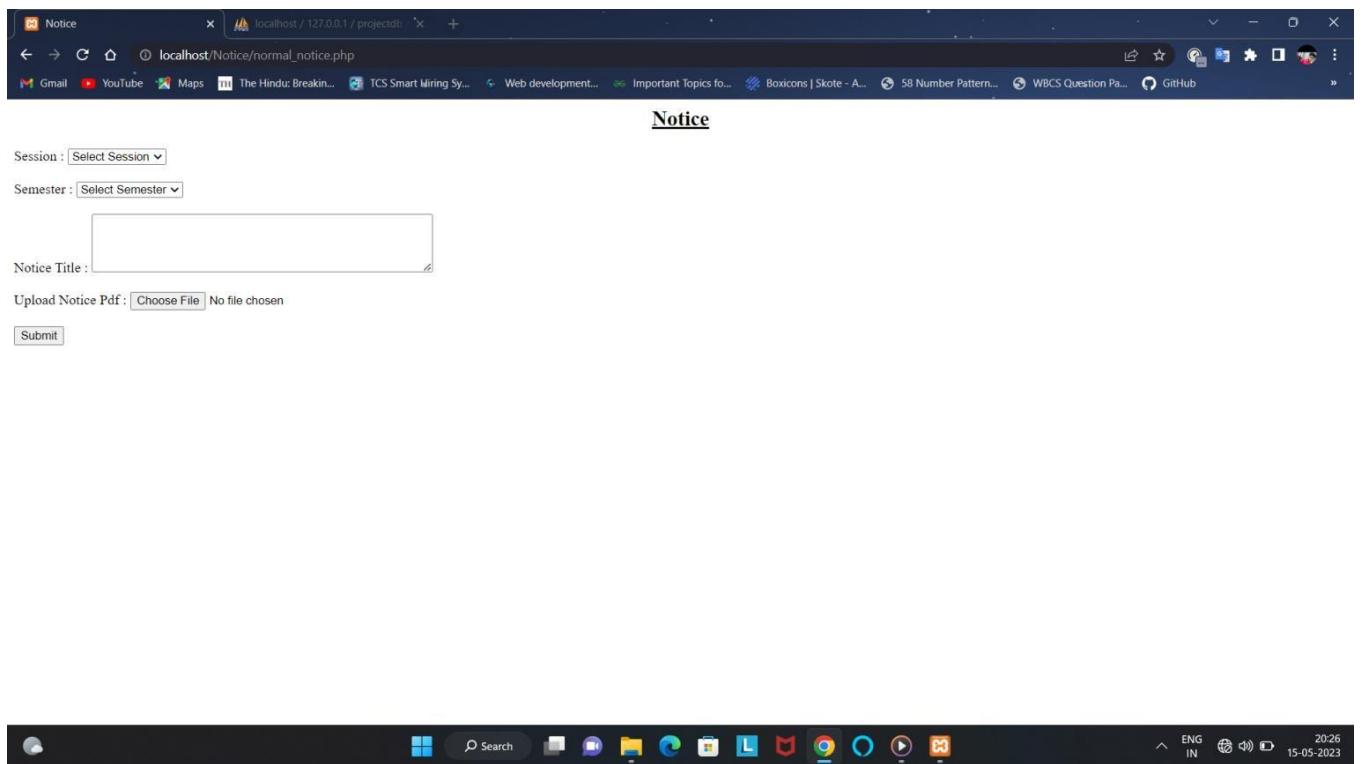
Aid	First Name	Last Name	Gender	Ph No	Email	Address	Dob	Alias	Designation
admin123	Krishnendu	Pramanik	Male	8420222257	adminictmca@gmail.com	Kolkata	1980-06-08	Prof.	Assistant Professor

The browser's taskbar at the bottom shows various open tabs and system icons. The system tray indicates it's 21:52 on 15-05-2023.

25. Here admin will choose the notice category

The screenshot shows a web browser window titled "Notice" with the URL "localhost:2000/projectdb/Notice/notice.php". The page has a large dark gray header with the word "Notice" in white. Below the header, there are two rounded rectangular buttons: one labeled "Notice" and another labeled "Special Notice". The browser's taskbar at the bottom shows various open tabs and system icons. The system tray indicates it's 20:26 on 15-05-2023.

26. Here admin will upload the notice



Notice

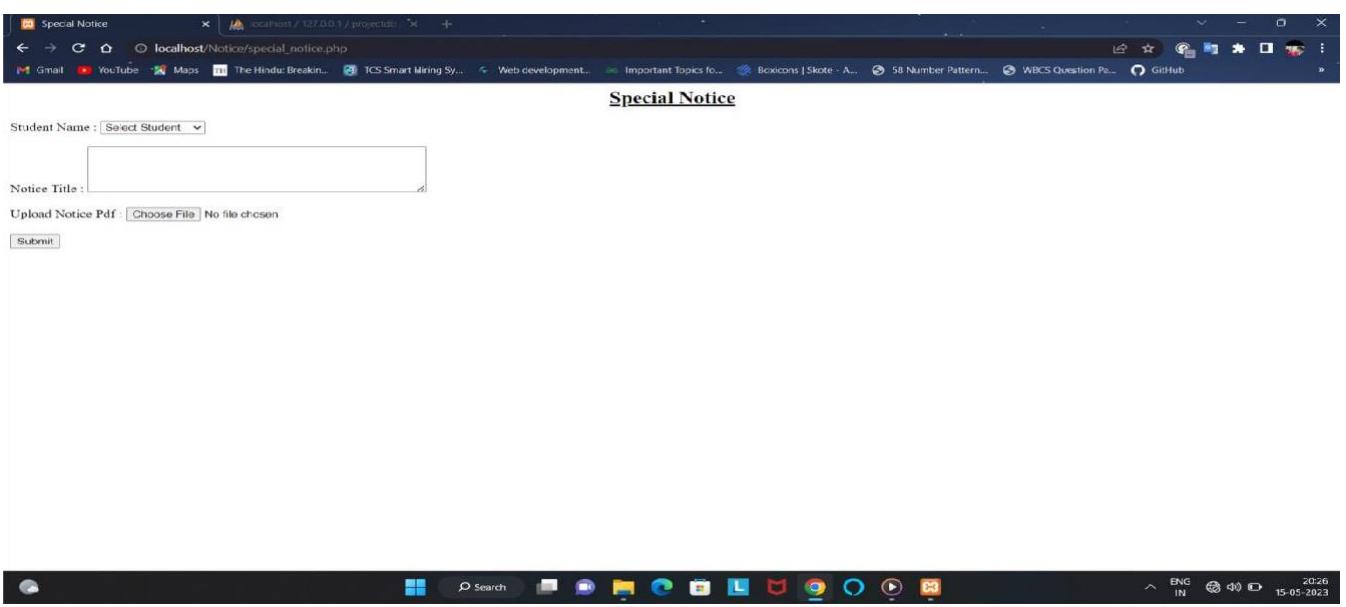
Session :

Semester :

Notice Title :

Upload Notice Pdf : No file chosen

27. Here admin will upload the special notice



Special Notice

Student Name :

Notice Title :

Upload Notice Pdf : No file chosen

28. Here admin will see all teacher's details

The screenshot shows a web browser window with the URL `localhost/Time%20Table/addteachers.php`. The page title is "Teacher's Information". A table lists four teachers:

Teacher Id	Name	Alias	Designation	Contact No.	Email ID
anirban1980	Anirban Sinha	Prof.	Assistant Professor	9836088753	ascit@gmail.com
subrata1980	Subrata Jana	Prof.	Assistant Professor	9836022578	sjcit@gmail.com
debabrata1990	Debabrata Jana	Prof.	Assistant Professor	9836022569	djcit@gmail.com
bkd1990	Biplab Kanti Das	Prof.	Assistant Professor	8420555569	bkd1970@gmail.com

29. This is the add subject form

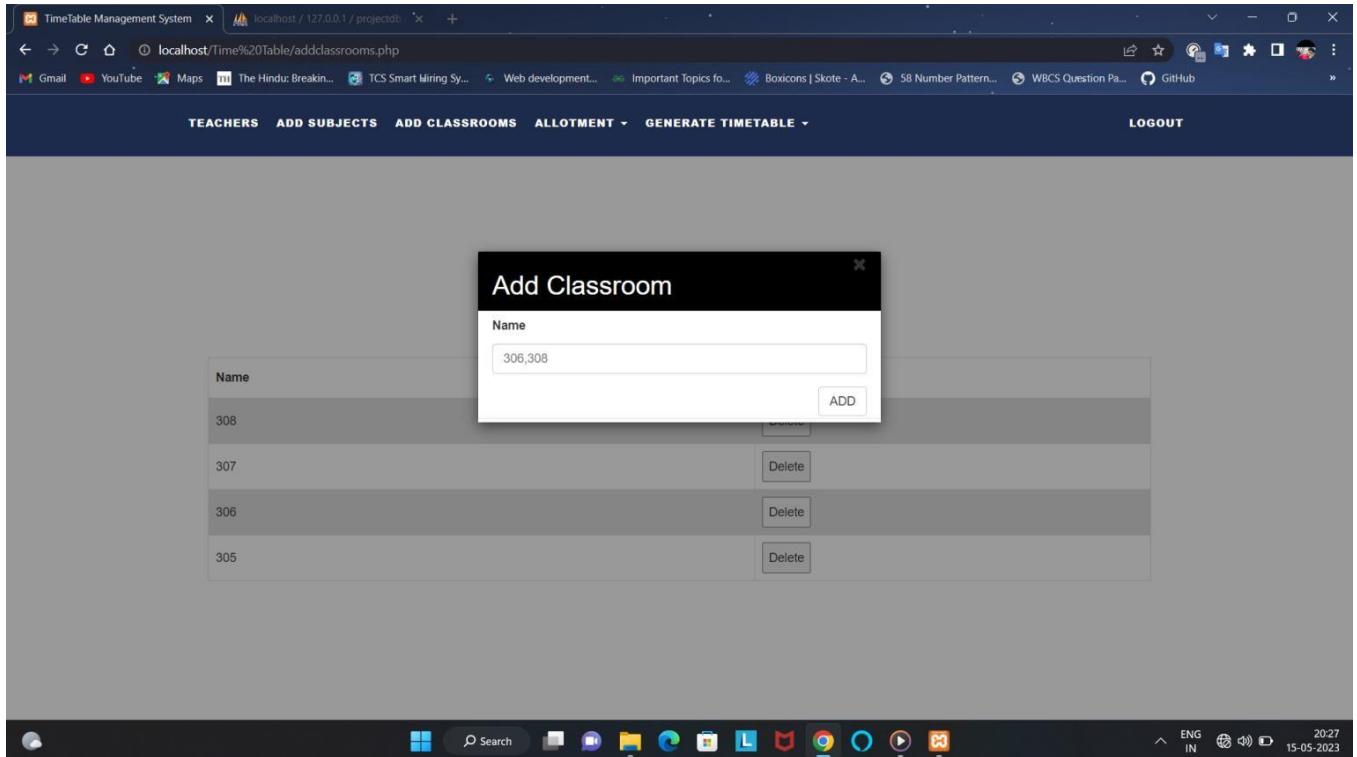
The screenshot shows a web browser window with the URL `localhost/Time%20Table/addsubjects.php`. The page title is "Add Subject". A modal dialog box is open, titled "Add Subject". It contains fields for "Subject Name", "Subject Code", "Course Type", "Semester", and "Department". On the left, there is a table of existing subjects:

Code	Title
MCAN101	Python
MCAN102	C
MCAN103	Computer Organization and Architecture
MCAN302	AI
MCAN304B	Java
MCANE105A	Python Lab

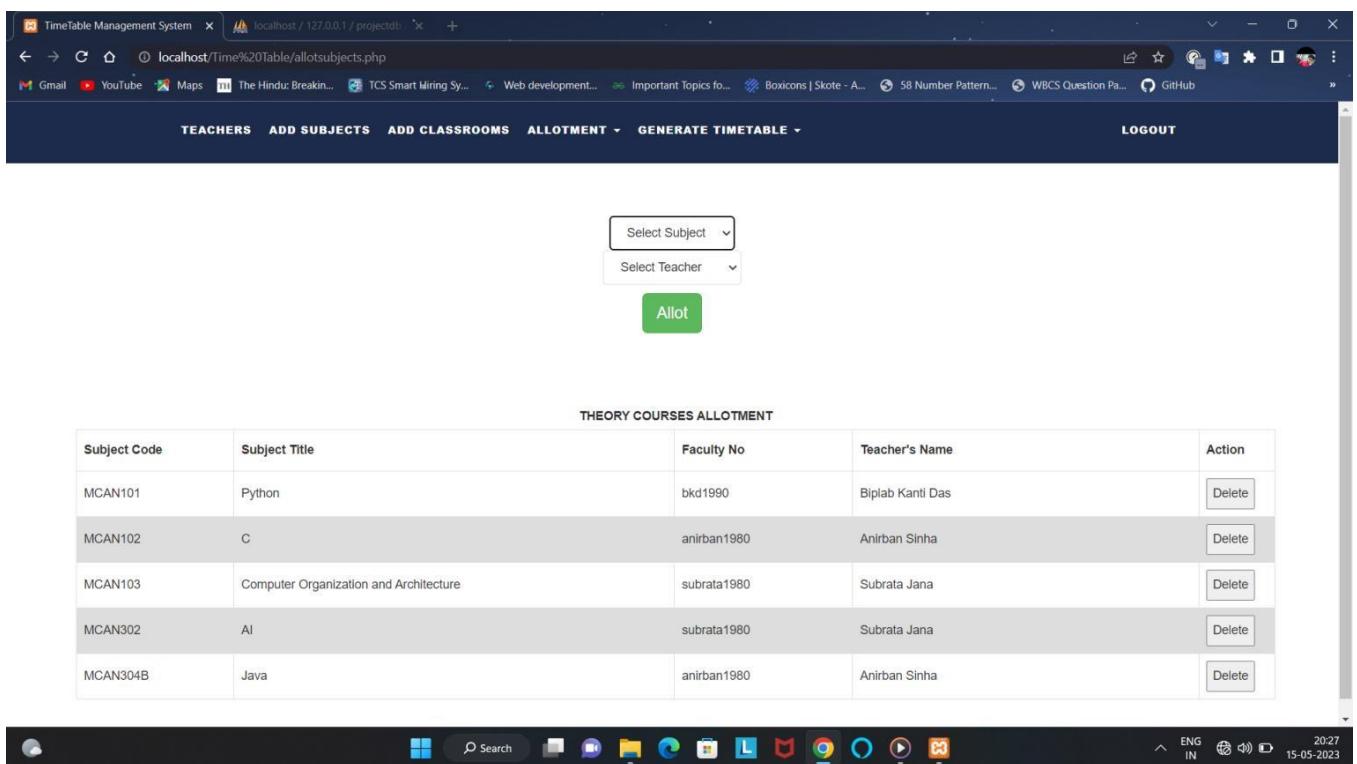
The modal dialog has the following fields:

- Subject Name:
- Subject Code:
- Course Type:
- Semester:
- Department:
-

30. Here admin will allocate the class room



31. This is the subject allotting form



32. Here admin can allot the practical courses

The screenshot shows a web browser window titled "TimeTable Management System" with the URL "localhost:127.0.0.1/projectdb". The page has a dark blue header with navigation links: TEACHERS, ADD SUBJECTS, ADD CLASSROOMS, ALLOTMENT (with a dropdown arrow), GENERATE TIMETABLE, and LOGOUT. Below the header is a form with three dropdown menus: "Select Subject", "Select Teacher", and "Select Teacher". A green "Allot" button is positioned below the dropdowns. The main content area is titled "PRACTICAL COURSES ALLOTMENT" and contains a table with two rows. The columns are: Subject Code, Subject Title, Faculty No, Teacher's Name, Faculty No, Teacher's Name, and Action. The data in the table is:

Subject Code	Subject Title	Faculty No	Teacher's Name	Faculty No	Teacher's Name	Action
MCANE105A	Python Lab	bkd1990	Biplab Kanti Das	debabrata1990	Debabrata Jana	<input type="button" value="Delete"/>

33. Admin can allot the class rooms

The screenshot shows a web browser window titled "TimeTable Management System" with the URL "localhost:127.0.0.1/projectdb". The page has a dark blue header with navigation links: TEACHERS, ADD SUBJECTS, ADD CLASSROOMS, ALLOTMENT (with a dropdown arrow), GENERATE TIMETABLE, and LOGOUT. Below the header is a form with two dropdown menus: "Select Course" and "Select Classroom". A green "Allot" button is positioned below the dropdowns. The main content area is titled "CLASSROOMS ALLOTMENT" and contains a table with five rows. The columns are: Classroom, Allotted To, and Action. The data in the table is:

Classroom	Allotted To	Action
308	Mca 4th sem	<input type="button" value="Delete"/>
307	Mca 2nd sem	<input type="button" value="Delete"/>
306	Mca 3rd sem	<input type="button" value="Delete"/>
305	Mca 1st sem	<input type="button" value="Delete"/>

34. Here admin can generate the time table / routine

The screenshot shows a web-based time表 generation tool. The main title is "Generate Time Table For Semester1". Below it is a grid for scheduling subjects. The columns represent time slots: 10:00-11:00, 11:00-12:00, 12:00-1:00, 1:00-1:30, 1:30-2:30, and 2:30-3. The rows represent days of the week: Monday through Saturday. Each cell in the grid contains a dropdown menu labeled "Select Subject". At the bottom of the grid are two buttons: "Update" and "Generate". A "BACK" button is located to the left of the grid.

35. Admin can view the time table by selecting the semester

The screenshot shows a web-based time表管理系统. The main title is "TimeTable Management System". The navigation bar includes links for TEACHERS, ADD SUBJECTS, ADD CLASSROOMS, ALLOTMENT, GENERATE TIMETABLE, and LOGOUT. Below the navigation is a dropdown menu set to "1" and a green "VIEW TIMETABLE" button. A preview of the generated timetable is shown below, along with a "SAVE AS PDF" button. The system is running on a Windows 10 desktop, as indicated by the taskbar at the bottom.

36. Displaying the generated routine

The screenshot shows a web browser window titled "Time Table Management System" with the URL "localhost / 127.0.0.1 / projectdb /". The page has a dark blue header with navigation links: TEACHERS, ADD SUBJECTS, ADD CLASSROOMS, ALLOTMENT, GENERATE TIMETABLE, and LOGOUT. Below the header is a dropdown menu labeled "Select Semester" and a green button labeled "VIEW TIMETABLE". The main content area displays a table titled "MCA DEPARTMENT SEMESTER 1 (305)". The table has columns for Weekdays (TUESDAY, WEDNESDAY, THURSDAY, FRIDAY, SATURDAY) and time slots (10:00-11:00, 11:00-12:00, 12:00-1:00, 1:00-1:30, 1:30-2:30, 2:30-3:30, 3:30-4:30, 4:30-5:30). The table lists course codes like MCANE105A, MCANE105B, etc., across the time slots. A status bar at the bottom shows "MCAN101: Python, Prof.: Biplab Kanti Das".

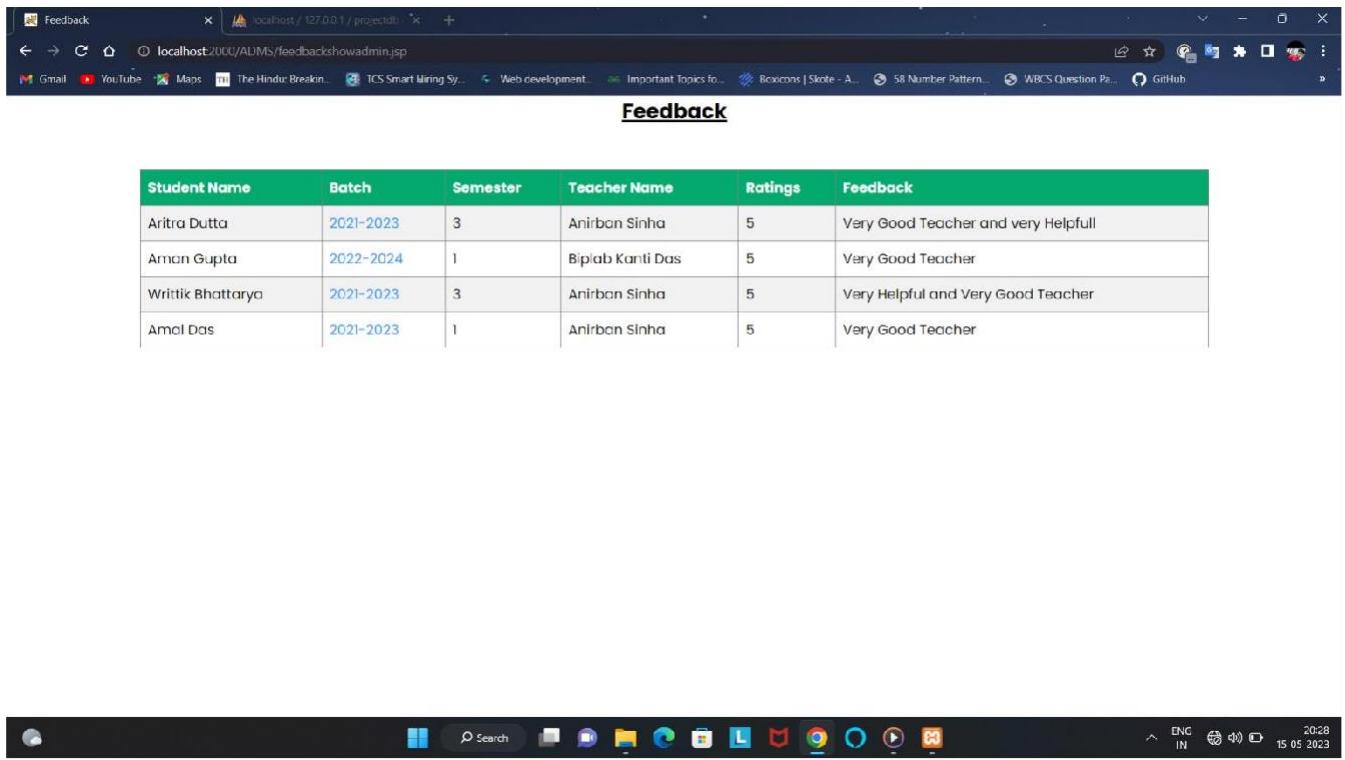
WEEKDAYS	10:00-11:00	11:00-12:00	12:00-1:00	1:00-1:30	1:30-2:30	2:30-3:30	3:30-4:30	4:30-5:30
TUESDAY	MCANE105A	MCANE105A	MCANE105A	LUNCH	MCAN101	MCAN101	MCAN103	MCAN102
WEDNESDAY	MCAN101	MCAN102	MCAN102	LUNCH	MCAN304B	MCANE105A	MCAN103	MCAN103
THURSDAY	MCAN103	MCAN103	MCAN101	LUNCH	MCAN102	MCAN102	MCANE105A	MCANE105A
FRIDAY	MCAN101	MCAN101	MCAN102	LUNCH	MCAN103	MCAN103	MCANE105A	MCANE105A
SATURDAY	MCAN101	MCAN103	MCAN103	LUNCH	MCANE105A	MCANE105A	MCAN102	MCAN102

37. Admin can show the lesson plan

The screenshot shows a web browser window titled "Lesson Plan" with the URL "localhost:2000/ADMS/lesson/viewadmin.jsp". The page has a dark blue header with navigation links: LESSON PLAN, STUDENT MANAGEMENT, FACULTY MANAGEMENT, and LOGOUT. Below the header is a title "Lesson Plan". The main content area displays a table with columns: Teacher Name, Session, Semester, Subjects, Title, and Lesson_pdf. The table contains two rows: one for Anirban Sinha (Session 2021-2023, Semester 3, Subjects Java, Title Java Lesson Plan, PDF MCA Sylla.pdf) and one for Subrata Jana (Session 2021-2023, Semester 1, Subjects Computer Organization and Architecture, Title Architecture Lesson Plan, PDF Makaut Syllabus Sem1 MCA.pdf). A status bar at the bottom shows "ENG IN 20:28 15-05-2023".

Teacher Name	Session	Semester	Subjects	Title	Lesson_pdf
Anirban Sinha	2021-2023	3	Java	Java Lesson Plan	MCA Sylla.pdf
Subrata Jana	2021-2023	1	Computer Organization and Architecture	Architecture Lesson Plan	Makaut Syllabus Sem1 MCA.pdf

38. Admin can see the feedback of students'



A screenshot of a Windows desktop environment. At the top, there is a taskbar with various icons including the Start button, File Explorer, and several pinned applications. The main area shows a web browser window titled "Feedback" with the URL "localhost:2000/AULMS/feedbackshowadmin.jsp". The page content is a table titled "Feedback" with the following data:

Student Name	Batch	Semester	Teacher Name	Ratings	Feedback
Aritra Dutta	2021-2023	3	Anirban Sinha	5	Very Good Teacher and very Helpfull
Aman Gupta	2022-2024	1	Biplab Kanti Das	5	Very Good Teacher
Writtik Bhattacharya	2021-2023	3	Anirban Sinha	5	Very Helpful and Very Good Teacher
Amal Das	2021-2023	1	Anirban Sinha	5	Very Good Teacher

10. Coding

1. Code for student login page.

```
<html>
<head>
<title>
Login</title>
</head>
<body>
<%@ page import="p1.*"%>
<%
    String user=request.getParameter("su");
    String pass=request.getParameter("sp");

    if(user.equals("")||pass.equals(""))
    {
%>
<jsp:include page = "student_login.html"/>
<script>
alert("Field can't be Blank ");
</script>
<%
        return;
    }
    MyDb obj=new MyDb();
    try
    {
        boolean b=obj.checkLogin(user,pass);
        if(b)
        {
            session = request.getSession();
            session.setAttribute("username",user);
            response.sendRedirect("student_db.jsp");
        }
        else
        {
%>
<jsp:include page = "student_login.html"/>
<script>
alert("Wrong User_id or Password ");
</script>
<%
        }
    }
    catch(Exception e)
    {
%>
<jsp:include page = "student_login.html"/>
<%
    out.println("<center>"+e);
}
%>
</body>
</html>
```

2. Code for Database (Student Login).

```
package p1;
import java.sql.*;
import java.util.Vector;

public class MyDb
{
    static Connection con;
    PreparedStatement ps;
    ResultSet rs;
    public static void connect()throws Exception
    {
        Class.forName("com.mysql.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/projectdb","root","");
    }
    public int insertData(String f1,String f2, String f3,String f4)throws Exception //user defined method
    {
        connect();
        ps=con.prepareStatement("insert into student_login values(?, ?, ?, ?)");
        ps.setString(1,f1);
        ps.setString(2,f2);
        ps.setString(3,f3);
        ps.setString(4,f4);
        int i=ps.executeUpdate();
        con.close();
        return i;
    }
    public boolean checkLogin(String f1,String f2)throws Exception //user defined method
    {
        connect();
        boolean b=false;
        ps=con.prepareStatement("select * from student_login where sid=? and pwd=?");
        ps.setString(1,f1);
        ps.setString(2,f2);
        rs=ps.executeQuery();
        while(rs.next())
        {
            b=true;
        }
        con.close();
        return b;
    }
    public String getOldPassword(String f1) throws Exception //user defined method
    {
        String pass=null;
        connect();
        ps=con.prepareStatement("select *from student_login where sid=?");
        ps.setString(1,f1);
        rs=ps.executeQuery();
        while(rs.next())
        {
            pass=rs.getString("pwd");
        }
        con.close();
        return pass;
    }
    public int changePassword(String f1,String f2)throws Exception //user defined method
    {
        connect();
        ps=con.prepareStatement("update student_login set pwd=? where pwd=?");
        ps.setString(1,f2);
        ps.setString(2,f1);
        int i= ps.executeUpdate();
        con.close();
        return i;
    }
}
```

3. Code for student dashboard.

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
    <head>
        <title>Home</title>
        <meta charset="UTF-8">
        <link rel="stylesheet" href="CSS/style.css">
        <link href='https://unpkg.com/boxicons@2.0.7/css/boxicons.min.css' rel='stylesheet'>
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <script src="JS/disable.js"></script>
    </head>
<body>
<%@ page import="p1.*"%>
<%
    String sid = (String) session.getAttribute("username");
%>
<div class="sidebar">
    <!-- <div class="logo">
        </img>
        <span >CIT</span>
    </div>-->
    <ul class="nav-links">
        <li>
            <a href="">
                <i>
                    </img></i>
                    <span class="links_name">CIT</span>
                </a>
        </li>
        <li>
            <a href="student_db.jsp" class="active">
                <i class='bx bx-grid-alt' ></i>
                <span class="links_name">Dashboard</span>
            </a>
        </li>
        <li>
            <a href="myprofile.jsp">
                <i class='bx bxs-user-detail' ></i>
                <span class="links_name">My Profile</span>
            </a>
        </li>
        <li>
            <a href="#">
                <i class='bx bx-camera' ></i>
                <span class="links_name">Attendance By Camera</span>
            </a>
        </li>
        <li>
            <a href="change.html">
                <i class='bx bx-key' ></i>
                <span class="links_name">Change Password</span>
            </a>
        </li>
        <li>
            <a href="">
                <i class='bx bx-chat' ></i>
                <span class="links_name">Chat</span>
            </a>
        </li>
        <li class="log_out">
            <a href="logout.jsp">
                <i class='bx bx-log-out' ></i>
                <span class="links_name">Log out</span>
            </a>
        </li>
    </ul>
</div>
<section class="home-section">
    <nav>
        <div class="sidebar-button">
            <i class='bx bx-menu sidebarBtn'></i>
            <span class="dashboard">Student Dashboard</span>
        </div>
        <!--<div class="search-box">
            <input type="text" placeholder="Search...">
            <i class='bx bx-search' ></i>
        </div>-->
        <div class="dept-name">
            <center><h2>Department of MCA</h2></center>
        </div>
        <div class="profile-details">
            <!---->
            <span class="student_name">
                <%>
                out.println("Welcome "+sid);
                <%>
            </span>
        </div>
    </nav>
    <div class="home-content">
        <div class="overview-boxes">
```

```

<div class="box">
    <div class="box-topic"><a href="notice_student.jsp">Notice</a>
    </div>
</div>
<div class="box">
    <div class="box-topic"><a href="http://localhost/Time%20Table/timetablestudent.php">Routine</a>
    </div>
</div>
<div class="box">
    <div class="box-topic"><a href="assignmentstudents.jsp">Assignment</a>
    </div>
</div>
<div class="box">
    <div class="box-topic"><a href="notesstudents.jsp">Notes</a>
    </div>
</div>
    <div class="box">
        <div class="box-topic"><a href="exam/java_exam.html">Online Exam</a>
        </div>
    </div>
<div class="box">
    <div class="box-topic"><a href="feedback.jsp">Feedback</a>
    </div>
</div>
</div>
</div>
</div>

</section>

<script>
    let sidebar = document.querySelector(".sidebar");
let sidebarBtn = document.querySelector(".sidebarBtn");
sidebarBtn.onclick = function() {
    sidebar.classList.toggle("active");
    if(sidebar.classList.contains("active")){
        sidebarBtn.classList.replace("bx-menu" , "bx-menu-alt-right");
    }
    else
        sidebarBtn.classList.replace("bx-menu-alt-right", "bx-menu");
}
</script>

</body>
</html>

```

4. Code For Student Assignment

```

<!DOCTYPE html>

<html lang="en" dir="ltr">
    <head>
        <title>Assignments</title>
        <meta charset="UTF-8">

        <link rel="stylesheet" href="CSS/style.css">
        <link rel="stylesheet" href="CSS/tablestyle.css">
        <link href='https://unpkg.com/boxicons@2.0.7/css/boxicons.min.css' rel='stylesheet'>
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <script src="JS/disable.js"></script>
    </head>
<body>
<center><h2><u><b>Assignments</b></u></h2></center>
<br><br>
<%@ page import="p1.*"%>
<%@ page import="java.sql.*"%>
<%
        String sid = (String) session.getAttribute("username");
%>
<center><table weight="100%" border='1' >
    <tr>
        <th>Assignments</th>
        <th>Teacher Name</th>
        <th>Semester</th>
        <th>Subjects</th>
        <th>Docs</th>
        <th>Deadlines</th>
    </tr>
<%>
Connection con=null;
ResultSet rs=null;
PreparedStatement ps=null;
%>

```

```

<%
try
{
    Class.forName("com.mysql.jdbc.Driver");
    con=DriverManager.getConnection("jdbc:mysql://localhost:3306/projectdb","root","");
    ps=con.prepareStatement("SELECT DISTINCT
assignments.sessions,assignments.semester,assignments.title,assignments.docs_pdf,assignments.deadline,subjects.subject_name,student_details.sid,student_details.sem,student
_details.session,teacher_login.fname,teacher_login.lname FROM `assignments` inner join student_details inner join subjects inner join teacher_login on assignments.semester
= student_details.sem and assignments.sessions=student_details.session and assignments.sub=subjects.subject_code and assignments.tid=teacher_login.tid");

    rs=ps.executeQuery();
    while(rs.next())
    {
%>
<%
    if(sid.equals(rs.getString("sid")))
    {
%>
<tr>
    <td><%=rs.getString("title")%></td>
    <td><%=rs.getString("fname")%> <%=rs.getString("lname")%></td>
    <td><%=rs.getString("sem")%></td>
    <td><%=rs.getString("subject_name")%></td>
    <td><a href="assignments/<%=rs.getString(4) %>" width = 150> <%=rs.getString(4) %></a></td>
    <td><%=rs.getString("deadline")%></td>

</tr>
<%
    }
}
con.close();
}
catch(Exception e)
{
    e.printStackTrace();
}
%>
</table>
</center>

```

5. Code for notes page

```

package p1;
import java.sql.*;

public class Notes
{
    static Connection con;
    PreparedStatement ps;
    ResultSet rs;
    public static void connect()throws Exception
    {
        Class.forName("com.mysql.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/projectdb","root","");
    }
    public int insertData(String f1,String f2, String f3,String f4,String f5,String f6)throws Exception //user defined method
    {
        connect();
        ps=con.prepareStatement("insert into note_upload values(?,?,?,?,?,?)");
        ps.setString(1,f1);
        ps.setString(2,f2);
        ps.setString(3,f3);
        ps.setString(4,f4);
        ps.setString(5,f5);
        ps.setString(6,f6);
        int i=ps.executeUpdate();

        con.close();
        return i;
    }
}

```

6. Displaying the notes for student

```
<!DOCTYPE html>

<html lang="en" dir="ltr">
  <head>
    <title>Notes</title>
    <meta charset="UTF-8">

    <link rel="stylesheet" href="CSS/style.css">
    <link rel="stylesheet" href="CSS/tablestyle.css">
    <link href='https://unpkg.com/boxicons@2.0.7/css/boxicons.min.css' rel='stylesheet'>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <script src="JS/disable.js"></script>
  </head>
<body>
<center><h2><u><b>Notes</b></u></h2></center>
<br><br>
<%@ page import="p1.*"%>
<%@ page import="java.sql.*"%>
<%
        String sid = (String) session.getAttribute("username");
%>
<center><table weight="100%" border='1' >
  <tr>
    <th>Notes</th>
    <th>Teacher Name</th>
    <th>Semester</th>
    <th>Subjects</th>
    <th>Docs</th>
  </tr>
<%
Connection con=null;
ResultSet rs=null;
PreparedStatement ps=null;
%>

<%
try
{
  Class.forName("com.mysql.jdbc.Driver");
  con=DriverManager.getConnection("jdbc:mysql://localhost:3306/projectdb","root","");
  ps=con.prepareStatement("SELECT DISTINCT
note_upload.session,note_upload.semester,note_upload.title,note_upload.notes_pdf,subjects.subject_name,student_details.sid,student_details.sem,student_details.session,teacher_login.fname,teacher_login.lname FROM `note_upload` inner join student_details inner join subjects inner join teacher_login on note_upload.semester = student_details.sem and note_upload.session=student_details.session and note_upload.subject=subjects.subject_code and note_upload.tid=teacher_login.tid");

  rs=ps.executeQuery();
  while(rs.next())
  {
<%
    if(sid.equals(rs.getString("sid")))
    {
%>
      <tr>
        <td><%=rs.getString("title")%></td>
        <td><%=rs.getString("fname")%> <%=rs.getString("lname")%></td>
        <td><%=rs.getString("semester")%></td>
        <td><%=rs.getString("subject_name")%></td>
        <td><a href="notes/<%=rs.getString(4)%>" width = 150> <%=rs.getString(4)%></a></td>
      </tr>
<%
    }
  }
}
con.close();
```

```

        ```
 } catch(Exception e)
 {
 out.println(e);
 }
%>
</table>
</center>

```

## 7. Upload the assignment

```

package p1;
import java.sql.*;

public class Assignment
{
 static Connection con;
 PreparedStatement ps;
 ResultSet rs;
 public static void connect()throws Exception
 {
 Class.forName("com.mysql.jdbc.Driver");
 con=DriverManager.getConnection("jdbc:mysql://localhost:3306/projectdb","root","");
 }
 public int insertData(String f1,String f2, String f3, String f4, String f5, String f6, String f7) throws Exception //user defined method
 {
 connect();
 ps=con.prepareStatement("insert into assignments values(?,?,?,?,?,?)");
 ps.setString(1,f1);
 ps.setString(2,f2);
 ps.setString(3,f3);
 ps.setString(4,f4);
 ps.setString(5,f5);
 ps.setString(6,f6);
 ps.setString(7,f7);
 int i=ps.executeUpdate();

 con.close();
 return i;
 }
}

```

## 8. Code for feedback page

```

<Html>
 <head>
 <title> Feedback </title>
 </head>
 <body>
 <center><h2><u>Feedback</u></h2></center>
 <%@ page import="p1.*"%>
 <%@ page import="java.sql.*"%>

 <%
 String sid = (String) session.getAttribute("username");
 %>
 <%
 Connection con=null;
 PreparedStatement ps=null;
 ResultSet rs=null;
 Class.forName("com.mysql.jdbc.Driver");
 con=DriverManager.getConnection("jdbc:mysql://localhost:3306/projectdb","root","");
 %>
 <form action=" " method ="Post">

 <%
 ps=con.prepareStatement("select * from teacher_login");
 rs=ps.executeQuery();
 %>
 <label>Teacher Name : </label>
 <select name="teacher">
 <%
 while (rs.next())
 {
 String t = rs.getString("tid");
 String t1 = rs.getString("fname");

 String t2 = rs.getString("lname");
 %>
 <option value="<%=t %>"><%=t1+" "+t2 %></option>
 %>
 %>
 </select>

 <label> Rating : </label>
 <select name="ratings">
 <option value="1">1</option>
 <option value="2">2</option>
 <option value="3">3</option>
 <option value="4">4</option>
 <option value="5">5</option>
 </select>

 <label> Feedback Message : </label>
 <textarea rows="4" cols="50" name="t"></textarea>

 <input type="submit" name="submit" value="Submit"/>
 </form>

 <%
 String f1=request.getParameter("teacher");
 String f2=request.getParameter("ratings");
 String f3=request.getParameter("t");
 Feedback obj=new Feedback();
 try
 {
 int i=obj.insertData(sid,f1,f2,f3);
 if(i>0)
 }
 %>

```

```

 ...
 {
 %>
 <script>
 alert("Your Feedback is Submitted Successfully");
 </script>
 <%
 }
 }
 catch(Exception e)
 {
 e.printStackTrace();
 }
%>
</body>
</html>

```

## 9. Code for feedback page

```

package p1;
import java.sql.*;

public class Feedback
{
 static Connection con;
 PreparedStatement ps;
 ResultSet rs;
 public static void connect()throws Exception
 {
 Class.forName("com.mysql.jdbc.Driver");
 con=DriverManager.getConnection("jdbc:mysql://localhost:3306/projectdb","root","");
 }
 public int insertData(String f1,String f2, String f3,String f4)throws Exception //user defined method
 {
 connect();
 ps=con.prepareStatement("insert into feedback values(?, ?, ?, ?)");
 ps.setString(1,f1);
 ps.setString(2,f2);
 ps.setString(3,f3);
 ps.setString(4,f4);
 int i=ps.executeUpdate();

 con.close();
 return i;
 }
}

```

## 10. Code for lesion page

```
<Html>
 <head>
 <title> Session Plan </title>
 </head>
 <body>
 <center><h2><u>Session Plan</u></h2></center>
 <%@ page import="p1.*"%>
 <%@ page import="java.sql.*"%>

 <%
 String tid = (String) session.getAttribute("username");
 %>
 <%
 Connection con=null;
 PreparedStatement ps=null;
 ResultSet rs=null;
 Class.forName("com.mysql.jdbc.Driver");
 con=DriverManager.getConnection("jdbc:mysql://localhost:3306/projectdb","root","");
 %>
 <form action=" " method ="Post">

 <%
 ps=con.prepareStatement("select distinct session from student_details");
 rs=ps.executeQuery();
 %>
 <label>Session : </label>
 <select name="select_session">
 <%
 while (rs.next())
 {
 String sess = rs.getString("session");
 %>
 <option value="<%=sess %>"><%=sess %></option>
 <%
 }
 %>

 <%
 }
 %>
 </select>

 <%
 ps=con.prepareStatement("select * from sem");
 rs=ps.executeQuery();
 %>
 <label>Semester : </label>
 <select name="select_semester">
 <%
 while (rs.next())
 {
 String sem = rs.getString("sem_id");
 String sem1 = rs.getString("sem_name");
 %>
 <option value="<%=sem %>"><%=sem1 %></option>
 <%
 }
 %>

 </select>

 <%
 try
 {
 String sql="select * from Subjects where allottedto='"+""+tid+"'";
 ps=con.prepareStatement(sql);
 rs=ps.executeQuery();
 }
 catch(Exception e)
 {
 out.println(e);
 }
 %>
 <label>Subjects : </label>
```

```

 <select name="sub">
 <%
 while (rs.next())
 {
 String sem = rs.getString("subject_code");
 String sem1 = rs.getString("subject_name");
 }
 %>
 <option value="<%=sem %>"><%=sem1 %></option>
 <%
 }
 %>
 </select>

<label> Title : </label>
<textarea rows="4" cols="50" name="t"></textarea>

<label> Upload Lesson Plan : </label>
<input type="file" name="u" accept=".pdf" value="">

<input type="submit" name="submit" value="Submit"/>
</form>

<%
String f1=request.getParameter("select_session");
String f2=request.getParameter("select_semester");
String f3=request.getParameter("sub");
String f4=request.getParameter("t");
String f5=request.getParameter("u");

Lesson obj=new Lesson();
try
{
 String sql="select semester from subjects where subject_code='"+"+f3+"'";
 ps=con.prepareStatement(sql);
 rs=ps.executeQuery();
 while(rs.next())

 {
 if(f2.equals(rs.getString("semester")))
 {
 int i=obj.insertData(tid,f1,f2,f3,f4,f5);
 if(i>0)
 {

%>
 <script>
 alert("Lesson Plan is Submitted Successfully");
 </script>
<%
 }
 }
 else
 {
%>
 <script>
 alert("Please Enter Subjects According to Semesters");
 </script>
<%
 break;
 }
 }
}
catch(Exception e)
{
 e.printStackTrace();
}

%>

</body>
</html>

```

## 11. Code for lesion page

```
package p1;
import java.sql.*;

public class Lesson
{
 static Connection con;
 PreparedStatement ps;
 ResultSet rs;
 public static void connect()throws Exception
 {
 Class.forName("com.mysql.jdbc.Driver");
 con=DriverManager.getConnection("jdbc:mysql://localhost:3306/projectdb","root","");
 }
 public int insertData(String f1,String f2, String f3,String f4,String f5,String f6)throws Exception //user defined method
 {
 connect();
 ps=con.prepareStatement("insert into lesson_plan values(?,?,?,?,?,?)");
 ps.setString(1,f1);
 ps.setString(2,f2);
 ps.setString(3,f3);
 ps.setString(4,f4);
 ps.setString(5,f5);
 ps.setString(6,f6);
 int i=ps.executeUpdate();

 con.close();
 return i;
 }
}
```

## 12. Code for student's normal notice

```
<!DOCTYPE html>

<html lang="en" dir="ltr">
 <head>
 <title>Normal Notice</title>
 <meta charset="UTF-8">

 <link rel="stylesheet" href="CSS/style.css">
 <link rel="stylesheet" href="CSS/tablestyle.css">
 <link href='https://unpkg.com/boxicons@2.0.7/css/boxicons.min.css' rel='stylesheet'>
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <script src="JS/disable.js"></script>
 </head>
 <body>
 <center><h2><u>Notice</u></h2></center>

 <%@ page import="p1.*"%>
 <%@ page import="java.sql.*"%>
 <%
 String sid = (String) session.getAttribute("username");
 %>
 <center><table weight="100%" border='1' >
 <tr>
 <th>Notice_Title</th>
 <th>Semester</th>
 <th>Docs</th>
 </tr>
 <%
 Connection con=null;
 ResultSet rs=null;
 PreparedStatement ps=null;
 %>
 <%
 try
 {
```

```

Class.forName("com.mysql.jdbc.Driver");
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/projectdb","root","");
ps=con.prepareStatement("SELECT DISTINCT
normal_notice_admin.session,normal_notice_admin.semester,normal_notice_admin.title,normal_notice_admin.notice_pof,student_details.sid,student_details.sem,student_details.s
ession FROM `normal_notice_admin` inner join student_details on normal_notice_admin.semester = student_details.sem and normal_notice_admin.session=student_details.session
");
rs=ps.executeQuery();
while(rs.next())
{
%>
<%
if(sid.equals(rs.getString("sid")))
{
%>

<tr>
<td><%=rs.getString("title")%></td>
<td><%=rs.getString("semester")%></td>
<td><a href="files/<%=rs.getString(4) %>" width = 150> <%=rs.getString(4) %></td>

</tr>
<%
}
}
con.close();
}
catch(Exception e)
{
 out.println(e);
}
%>
</table>
</center>

```

## 13. Code For Students Special Notice

```
<!DOCTYPE html>

<html lang="en" dir="ltr">
 <head>
 <title>Special Notice</title>
 <meta charset="UTF-8">

 <link rel="stylesheet" href="CSS/style.css">
 <link rel="stylesheet" href="CSS/tablestyle.css">
 <link href='https://unpkg.com/boxicons@2.0.7/css/boxicons.min.css' rel='stylesheet'>
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <script src="JS/disable.js"></script>
 </head>
<body>
<center><h2><u>Special Notice</u></h2></center>

<%@ page import="p1.*"%>
<%@ page import="java.sql.*"%>
<%
 String sid = (String) session.getAttribute("username");
%>
<center><table weight="100%" border='1' >
 <tr>
 <th>Notice_Title</th>
 <th>Docs</th>
 </tr>
<%
Connection con=null;
ResultSet rs=null;
PreparedStatement ps=null;
%>
<%
try
{
 Class.forName("com.mysql.jdbc.Driver");
 con=DriverManager.getConnection("jdbc:mysql://localhost:3306/projectdb","root","");
 ps=con.prepareStatement("select * from special_notice_admin ");
 rs=ps.executeQuery();
 while(rs.next())
 {
 %>
 <%
 if(sid.equals(rs.getString("sid")))
 {
 %>
 <tr>
 <td><%=rs.getString("title")%></td>
 <td><a href="files/<%=rs.getString(4) %>" width = 150> <%=rs.getString(4) %></td>
 </tr>
 <%
 }
}
con.close();
}
catch(Exception e)
{
%>
<script>
alert("No Result Found");
</script>
<%
}
%>
</table>
</center>
```

## 14. Code for student's profile

```
<!DOCTYPE html>

<html lang="en" dir="ltr">
 <head>
 <title>My Profile</title>
 <meta charset="UTF-8">

 <link rel="stylesheet" href="CSS/style.css">
 <link rel="stylesheet" href="CSS/tablestyle.css">
 <link href='https://unpkg.com/boxicons@2.0.7/css/boxicons.min.css' rel='stylesheet'>
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <script src="JS/disable.js"></script>
 </head>
 <body>
 <center><h2><u>My Profile</u></h2></center>

 <%@ page import="p1.*"%>
 <%@ page import="java.sql.*"%>
 <%
 String sid = (String) session.getAttribute("username");
 %>
 <center><table weight="100%" border='1' >
 <tr>
 <th>Sid</th>
 <th>First Name</th>
 <th>Last Name</th>
 <th>Gender</th>
 <th>Ph No</th>
 <th>Email</th>
 <th>Address</th>
 <th>Dob</th>
 <th>Semester</th>
 <th>Session</th>
 </tr>
 .. .
 <%
 Connection con=null;
 ResultSet rs=null;
 PreparedStatement ps=null;
 %>
 <%
 try
 {
 Class.forName("com.mysql.jdbc.Driver");
 con=DriverManager.getConnection("jdbc:mysql://localhost:3306/projectdb","root","");
 ps=con.prepareStatement("SELECT * from student_login inner join student_details on student_login.sid=student_details.sid ");
 rs=ps.executeQuery();
 while(rs.next())
 {
 %>
 <%
 if(sid.equals(rs.getString("sid")))
 {
 %>
 <tr>
 <td><%=rs.getString("sid")%></td>
 <td><%=rs.getString("fname")%></td>
 <td><%=rs.getString("lname")%></td>
 <td><%=rs.getString("gen")%></td>
 <td><%=rs.getString("phone_no")%></td>
 <td><%=rs.getString("email")%></td>
 <td><%=rs.getString("add")%></td>
 <td><%=rs.getString("dob")%></td>
 <td><%=rs.getString("sem")%></td>
 <td><%=rs.getString("session")%></td>

 </tr>
 <%
 }
}
```

```

 }
 con.close();
 }
 catch(Exception e)
 {
 out.println(e);
 }
%>
</table>
</center>

```

## 15. Code for batch creation by admin

```

<Html>
 <head>
 <title> Batch Create </title>
 </head>
 <body>
 <%@ page import="p1.*"%>
 <%@ page import="java.sql.*"%>

 <%
 String sid = (String) session.getAttribute("username");
 %>
 <%
 String s=request.getParameter("sid");
 String pass=request.getParameter("p");
 String repass=request.getParameter("rp");
 String fn=request.getParameter("fn");
 String ln=request.getParameter("ln");
 String gen=request.getParameter("gen");
 String ph=request.getParameter("ph");
 String email=request.getParameter("email");
 String add=request.getParameter("add");
 String dob=request.getParameter("d");
 String sem=request.getParameter("select_semester");
 String m1=request.getParameter("m1");
 String m2=request.getParameter("m2");
 String m3=request.getParameter("m3");
 String acard=request.getParameter("ac");
 String sess=request.getParameter("ss");
 String image=request.getParameter("im");

 Batch obj=new Batch();
 if(pass.equals(repass))
 {
 try

```

```
{
 int i=obj.insertData(s,pass,fn,ln);
 int i1=obj.insertData1(s,gen,ph,email,add,dob,sem,m1,m2,m3,acard,sess,image);
 if(i>0 && i1>0)
 {
%> <script>
 alert("Successfull");
 </script>
%<
 }

 catch(Exception e)
 {
%>
<jsp:include page = "batchstu.jsp"/>
<%
 out.println(e);
}

}
else
{
%>
<jsp:include page = "batchstu.jsp"/>
 <script>alert("Password and Confirm Password not match");
 </script>
<%
}
%>
</body>
</head>
</Html>
```

## **10. LIMITATION**

At present this system is only website based and do not have any such software for communication purpose.

It does not include information like how many computers are working within a lab or the defective ones.

Using the free express edition of SQL Server can limit how large your database files can be. SOL Server Standard edition has an upper limit of 524 peta bytes, but it is not free.

If database reaches the limit of SOL Server Express Version will begin to experience errors due to the inability of the database tables to accept new data.

## **11. FUTURE SCOPE**

1. Chatbot systems can be added for communication through applications.
2. Development of Android app for the website.
3. Test for placement drives can also be added which will be designed according to the company requirements. (MCQ, Short questions etc).
4. Better animations with user interface (UI).
5. Number of electronic devices (fans, lights or computer systems) in each class or lab will also be mentioned in room module.
  
6. Here we have no any kind of special attendance system. So at the future time we can add here special smart attendance system where student can give their attendance by themselves only.

## **12. CONCLUSION**

The overall speedup is considerably higher than the manual work. The management system enhances the functionalities of the routine works of the department in a number of ways. The computerization helps the users a lot to minimize the working time with ease. The department staffs get information in desired manner. Data retrieval is also easy and fast. This also restricts the users to enter invalid data and reduces the burden on the department. The data maintaining has been made quite simple.

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