

**PROJECT REPORT**  
**ON**  
**COLLEGE AUTOMATION SYSTEM**  
**WEBSITE**

**Submitted by:**

Arshita Thummar - 1903221118

Riya Patel - 19032211087

**BCA Sem: VI**

**Guided By:**

Prof. Rina K Patel



**Submitted To:**

Acharya Motibhai Patel Institute Of Computer Studies

Ganpat University ,kherva-384012



A.M. Patel  
Institute of  
Computer Studies

## CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is to certify that the following students of BCA Semester VI have completed their project work title "**COLLEGE AUTOMATION SYSTEM**" satisfactorily fulfill the requirement for BCA Project development dissertation in BCA Semester VI in the year 2021-2022.

NO	Name	Enrollment No
1.	Arshita thummar	19032211118
2.	Riya patel	19032211087

Internal Guid

Prof.Rina k Patel

Program co-ordinator

Dr.Savan K patel

Project co-ordinator

Prof.Hiral B Patel

## Acknowledgement

Firstly, We would like to praise and appreciation to God, the Almighty, for His showers of blessings during our study work, which enabled us to successfully complete the 6<sup>th</sup> sem project task.

We are especially grateful to our subject mentor, “Prof.Rina K Patel”, who has provided us with exceptional understanding of Project. His dynamism, vision, sincerity, and motivation have all left an indelible impression on us . It is a huge joy and honor to be able to learn under his supervision. We would also like to thank her for his kindness and sense of humor.

Finally, We are grateful to our parents for their love, prayers, care, and sacrifices in teaching and preparing us for the future

## Preface

Welcome to project report developed by **Arshita thummar** and **Riya Patel** **Group No:07** undertaken at AMPICS located at **Ganpat University, Kherva.**

The project report has been made to make ease of understanding of the website developed for full time project fulfilment in BCA SEM-VI. Where project report contains the documentation of project and project presentation.

Here in word document the documentation has been developed including the following things. Intro-page, college certificate (for made project), index, project profile, existing system, need for new system, minimum requirement, system flow-chart, DFD up to first level, entity relationship diagram.

The other thing is process description that includes brief description of process. Process algorithm, Admin Side Input Design, Customer Side Input Design and at the last Post Implementation Review, Future Enhancement, and Bibliography that gives the reference books and references sites.

## Index

No	Title	Page no
1	Project Profile	06
2	Existing system	07
3	Need for new system	07
4	System Requirements	08
5	System Flow chart	11
6	Data flow Diagram	14
7	Data Dictionary	18
8	E-R Diagram	24
9	Process Description	25
10	Process Algorithem	28
11	Input Design	31
12	Output Design	43
13	Testing	48
14	Post Implement Review	49
15	Future Enhancement	50
16	Bibliography	50

## Project Profile

▪ Project Title	College Automation System
▪ Objective	To Manage Details Of Students And Courses
▪ Frontend	Html,css,javascript,jquery,bootstrap
▪ Backend	Python Version 3.6.3
▪ Framework	Flask
▪ Operationg System	Windows 10
▪ Application Type	Website
▪ Devloped At	Acharya Motibhai Patel Institute Of Computer Studies
▪ Devloped For	College Of Computer Science
▪ Team Member	Arshita Thummar(190032211118) Riya Patel(19032211087)
▪ Project Guide	Prof. Rina K Patel
▪ Group No	07

## **ABOUT ORGANIZATION**

<b>Organization name</b>	<b>College of computer science</b>
<b>Owner</b>	<b>Kasturbhai lalbhai patel</b>
<b>Email id</b>	<b>kasturbhai@gmail.com</b>

## **EXISTING SYSTEM**

- College have to manually maintain information regarding student.
- It is not properly capable to manage the student records with details at a single place.
- All the major work of a collage is done by paper and pen method.
- It is very time consuming process.

## **NEED FOR NEW SYSTEM**

- User can access details from anywhere.
- All of the works of a college are under the one system so there no chance of external errors.
- User interface are user friendly.
- Reduces lot of manual work.
- Faster response.
- You can't need more to spend on advertisement.

## **SYSTEM REQUIREMENT**

### **➤ server side(Recommended)**

<b>Hardware</b>	
Processor:	Intel core i3 or above
RAM:	4 GB or above
Hard disk:	250 GB or above

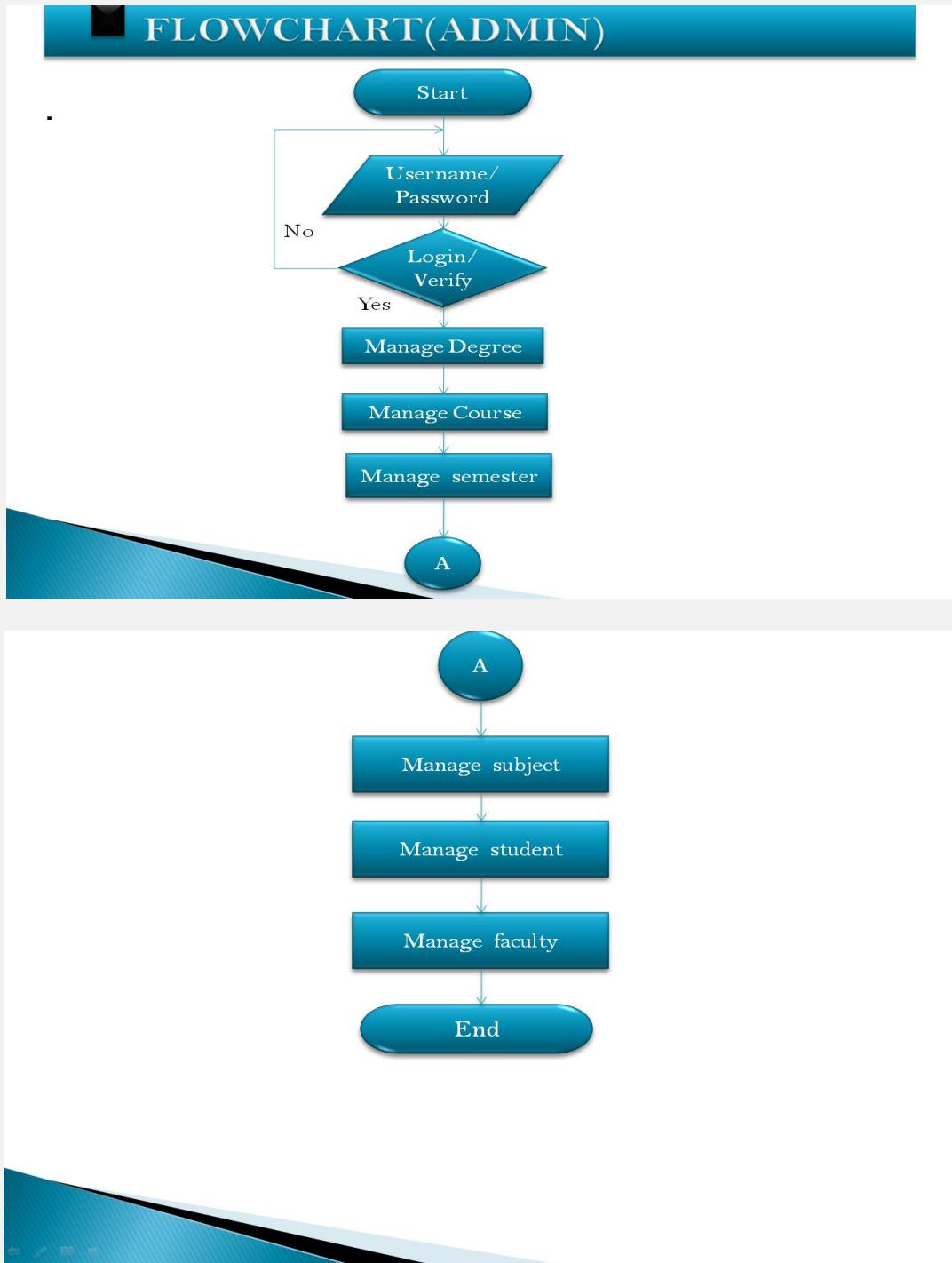
<b>Software</b>	
Framework:	Flask(python version 3.6.3)
IDE:	Pycharm
Database:	MySQL version 10.4.19
Operating system:	Windows 7 or above

➤ User side(aRecommended)

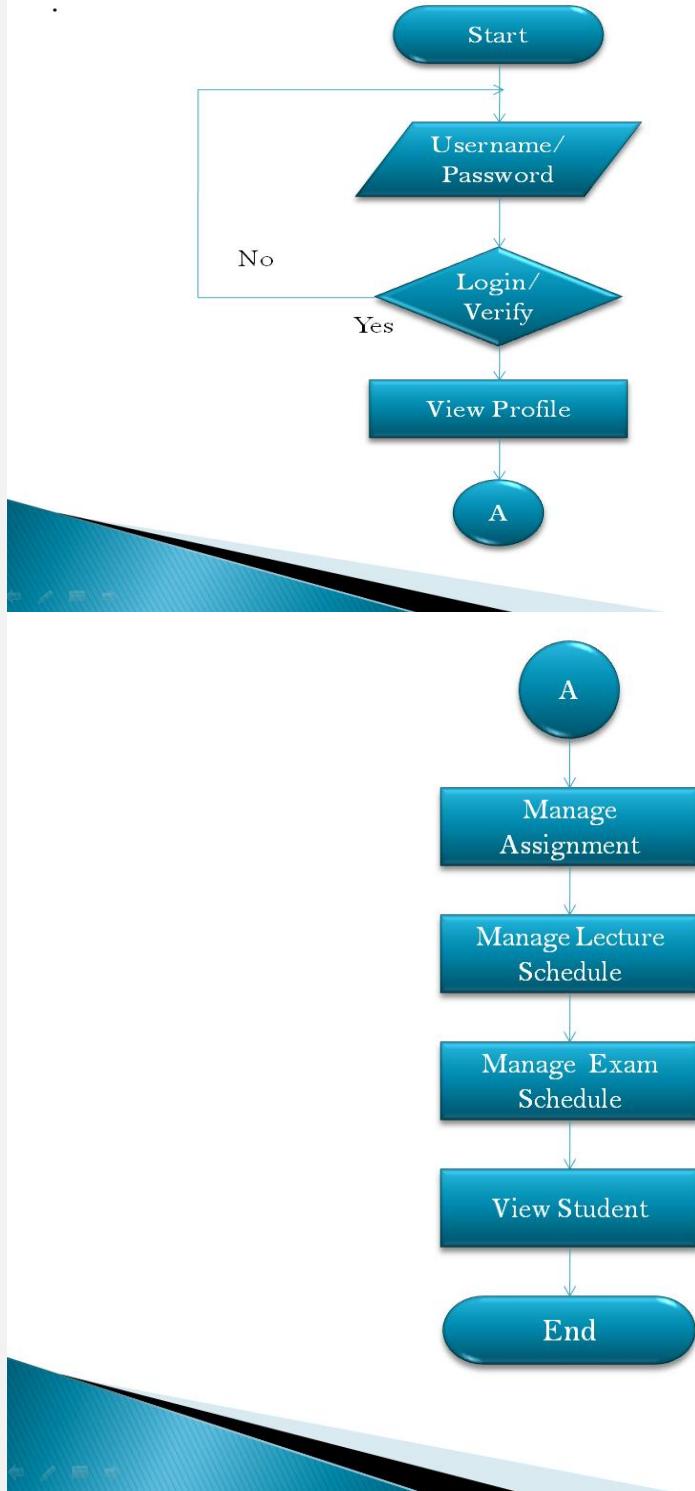
Hardware	
Processor	Intel core i3 or above
RAM	2GB or above
Hard Disk	10 GB or above

Software	
Operating system	Windows 7 or above
Browser	Internet explorer, Google chrome

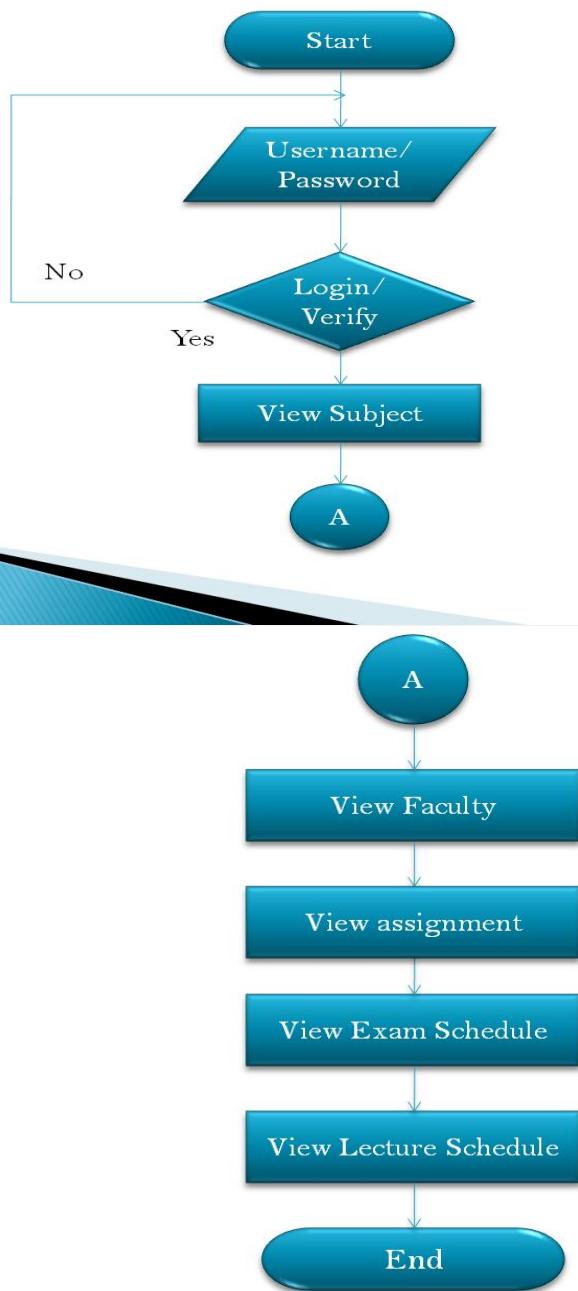
# Flow Chart



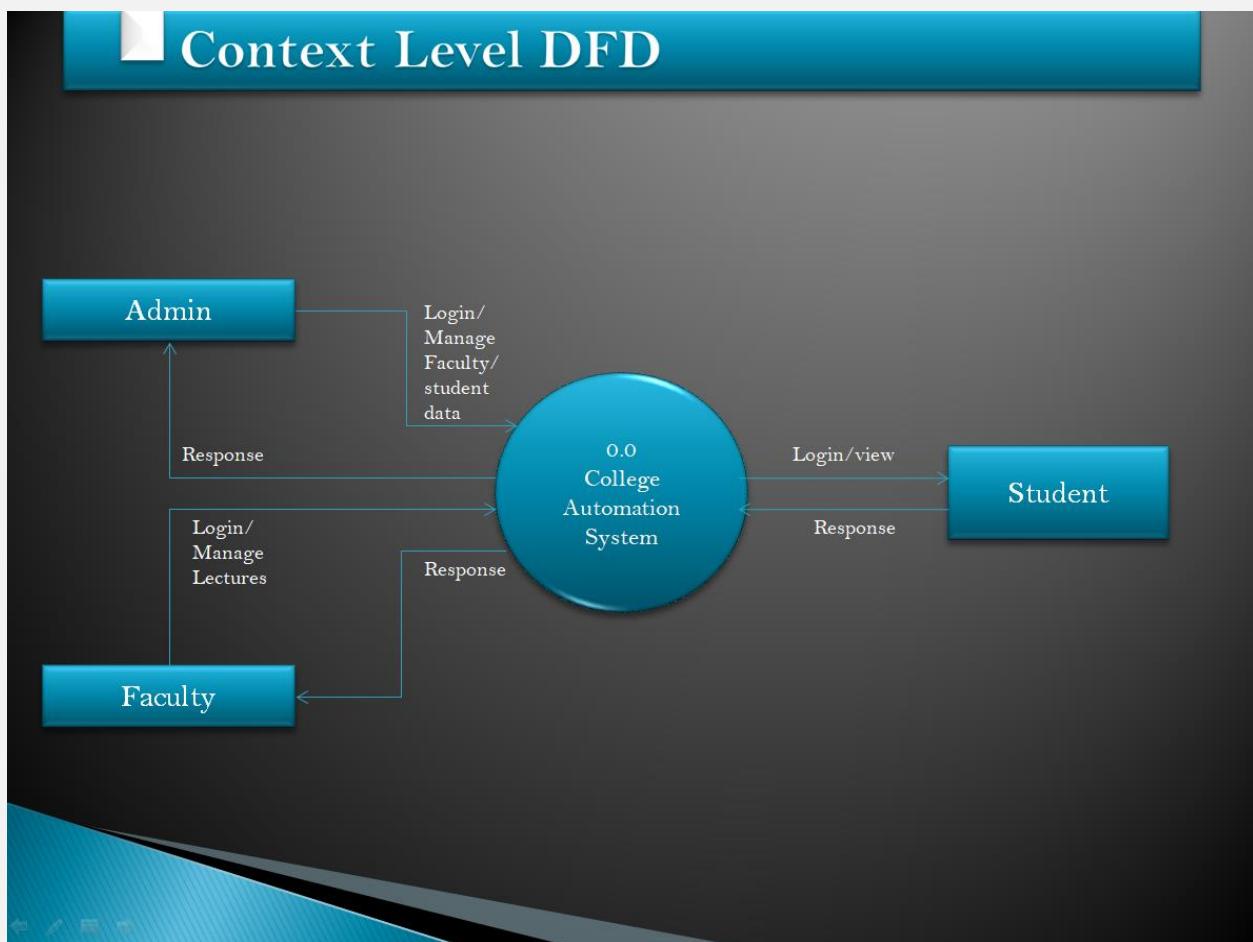
## FLOWCHART(Faculty)



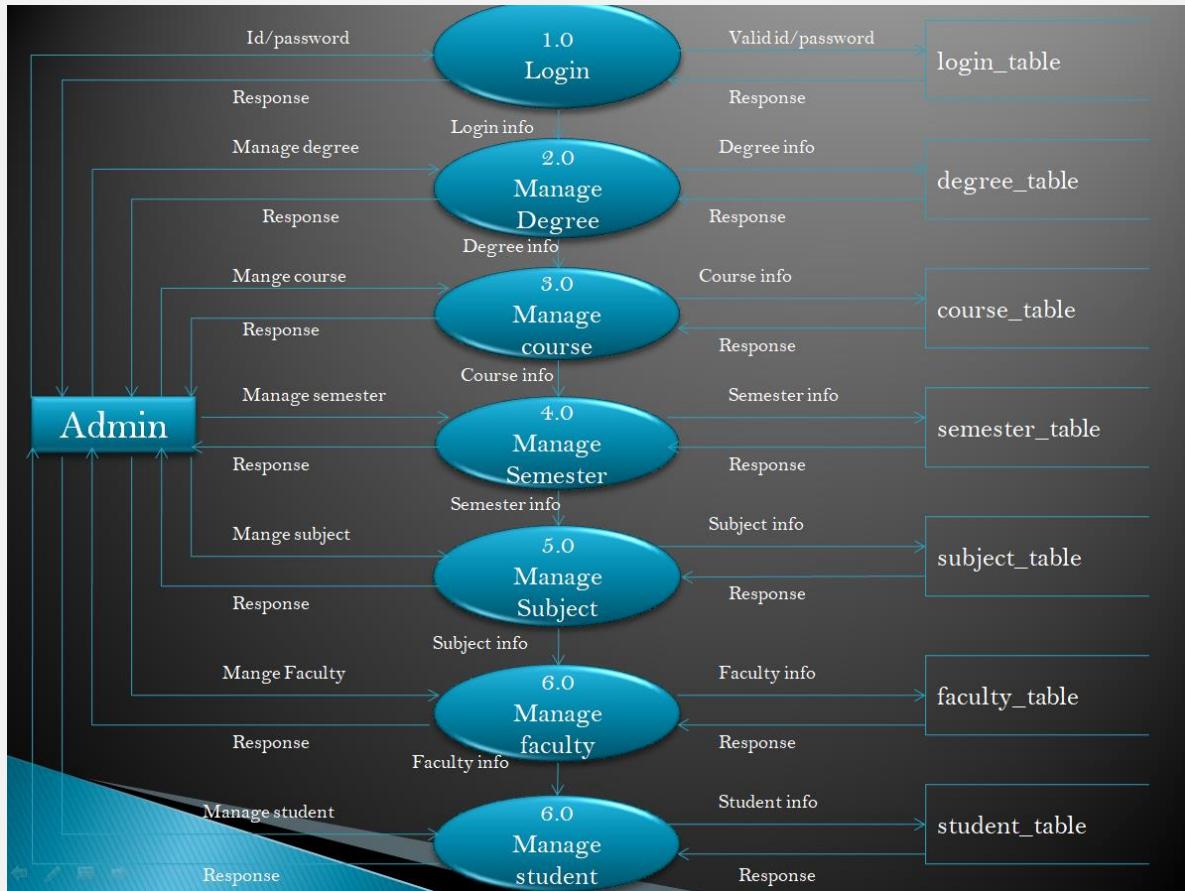
## FLOWCHART(Student)



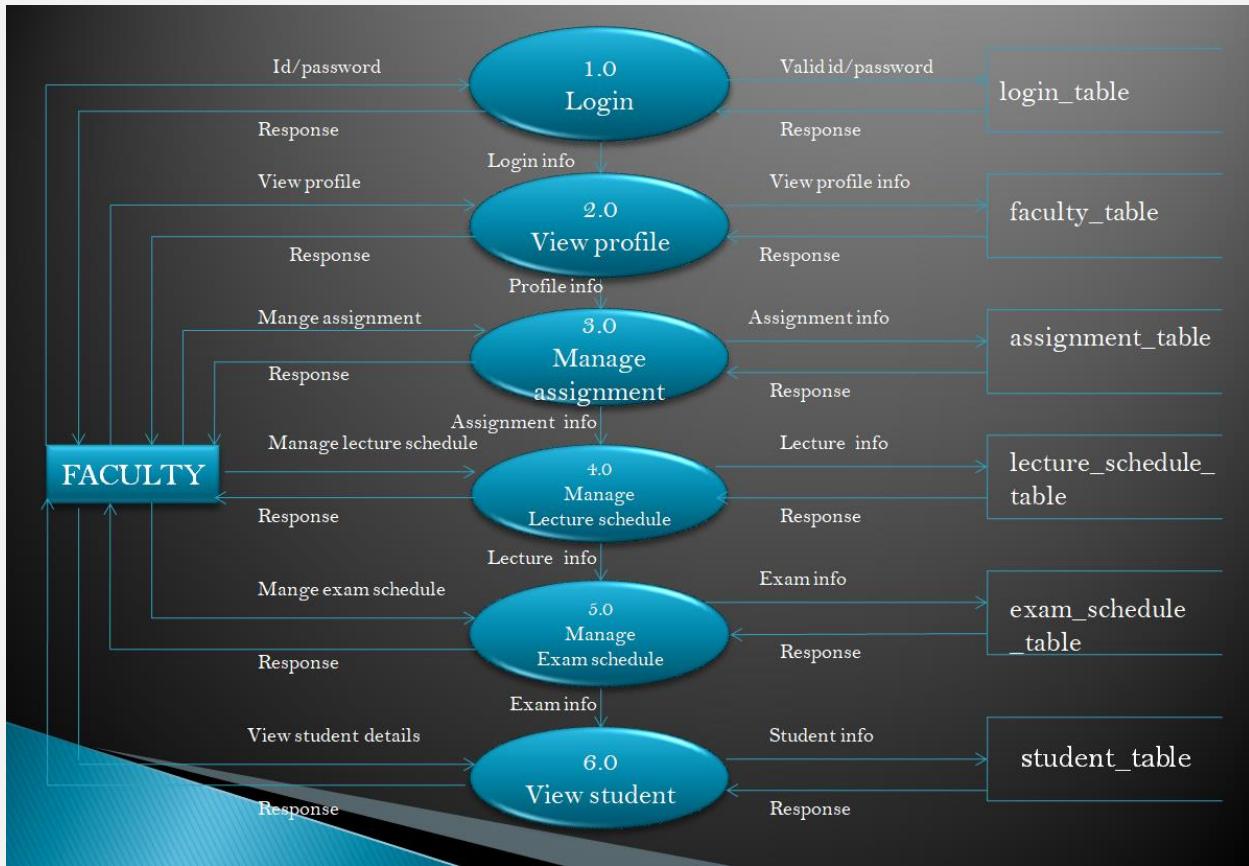
# DATA FLOW DIAGRAM (DFD)



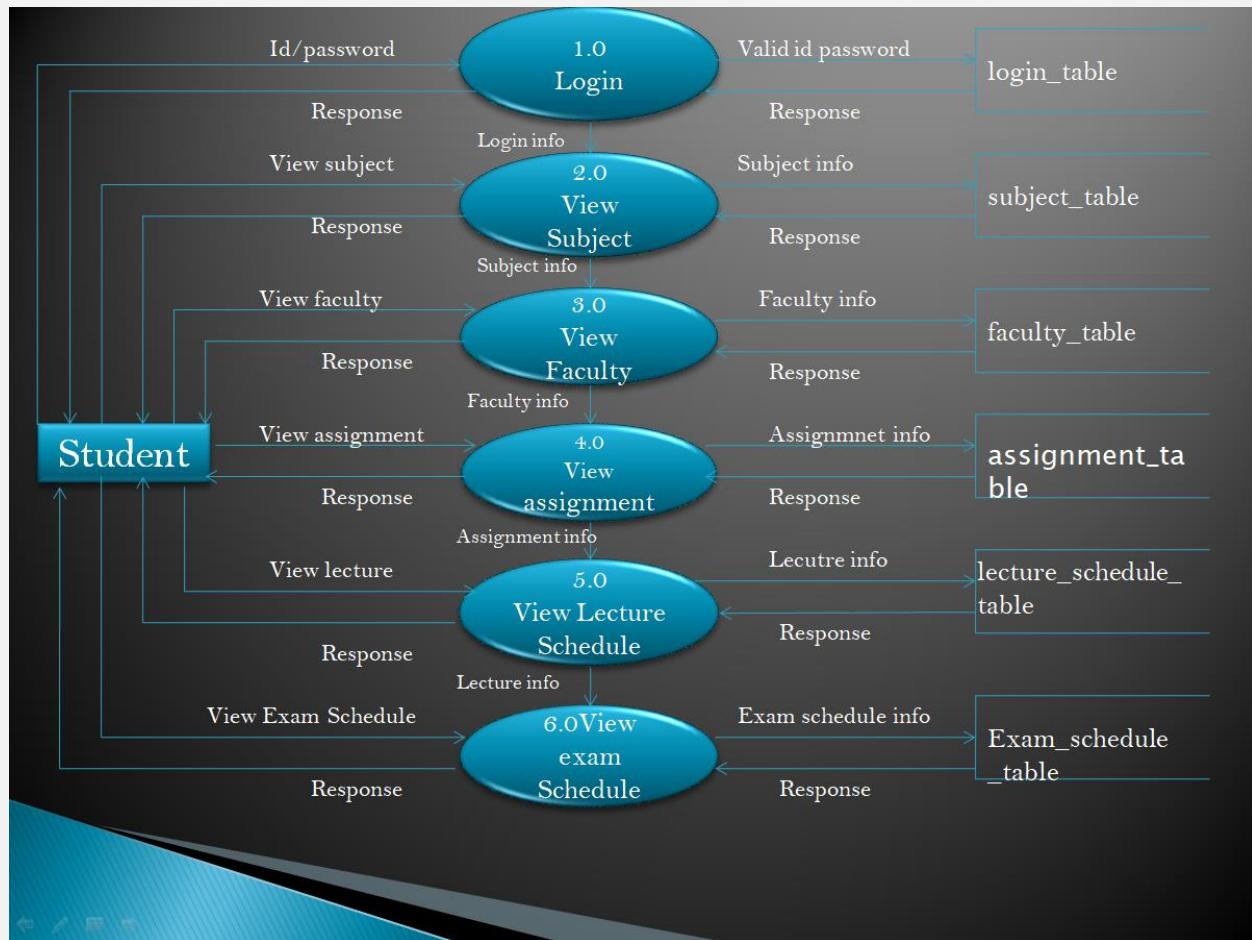
## FIRST LEVEL DFD FOR (ADMIN)



## FIRST LEVEL DFD FOR (FACULTY)



## FIRST LEVEL DFD FOR (STUDENT)



# DATA DICTIONARY



NO.	Table Name
1.	login_table
2.	degree_table
3	Course_table
4.	semester_table
5.	subject_table
6.	faculty_table
7.	student_table
8.	exam_schedule_table
9.	lecture_schedule_table
10.	assignment_table

## login\_table

**Table Name:-login\_table**  
**Description:- To Store login Data**  
**Primary Key:- login\_id**

NO.	Filed Name	Data Type	Constraint	Description
1.	login_id	Int	Primary key Autoincrement	Login id of user
2.	login_username	Varchar(30)	Not null	Username of user
3.	login_password	Varchar(6)	Not null	Password of user
4.	login_status	Boolean	Not null	Current status of user
5.	login_secretkey	Varchar	Not null	Secretkey

## degree\_table

**Table Name:- degree\_table**  
**Description:- To Store the degree Data**  
**Primary Key:- degree\_id**

No.	Field name	Data type	Constraint	Description
1.	degree_id	Int	Primary key Autoincrement	Degree id
2.	degree_name	Varchar(25)	Not null	Name of degree
3.	degree_desc	Varchar(30)	Not null	Description of degree

## course\_table

**Table Name:- course\_table**

**Description:- To Store the Course Data**

**Primary Key:- course\_id**

**Foreign Key:- degree\_id**

No.	Field name	Data type	Constraint	Description
1.	course_id	Int	Primary key, autoincrement	Course id
2.	degree_id	Int	Foreign key	Degree id
3.	course_name	Varchar(25)	Not null	Name of course
4.	course_code	Varchar(30)	Not null	Code number of course

## semester\_table

**Table Name:- semester \_table**

**Description:- To Store the semester Data**

**Primary Key:- semester \_id**

**Foreign Key:- degree\_id, course\_id**

No.	Field name	Data type	Constraint	Description
1.	semester_id	Int	Primary key Autoincrement	Semester id
2.	degree_id	Int	Foreign key	Degree id
3.	course_id	Int	Foreign key	Course id
4.	semester_number	Int	Not null	Number of semester

## subject\_table

**Table Name:-** Subject\_table

**Description:-** To Store the subject details

**Primary Key:-** subject\_id

**Foreign Key:-** degree\_id, course\_id, semester\_id, faculty\_id

No.	Field name	Data type	Constraint	Description
1.	subject_id	Int	Primary key Autoincrement	Subject id
2.	degree_id	Int	Foreign key	Degree id
3.	course_id	Int	Foreign key	Course id
4.	semester_id	Int	Foreign key	Semester id
5.	faculty_id	Int	Foreign key	Faculty id
6.	subject_name	Varchar(30)	Not null	Subject name
7.	subject_code	Int	Not null	Subject code
8.	subject_textbook	Varchar(50)	Not null	Subject textbook name

## faculty\_table

**Table Name:-** faculty\_table

**Description:-** To Store the faculty detail

**Primary Key:-** faculty\_id

**Foreign Key:-** login\_id, degree\_id, course\_id

No.	Field name	Data type	Constraint	Description
1.	faculty_id	Int	Primary key,ai	Faculty id
2.	login_id	Int	Foreign key	Login id
3.	degree_id	Int	Foreign key	Degree id
4.	course_id	Int	Foreign key	Course id
5.	fname	Varchar(30)	Not null	First name of teacher
6.	lname	Varchar(30)	Not null	Last name of teacher
7.	faculty_experience	Varchar(30)	Not null	Experience of teacher
8.	faculty_gender	Varchar(6)	Not null	Faculty gender
9.	faculty_qualification	Varchar(30)	Not null	Faculty qualification
10.	faculty_email	Varchar(50)	Not null	Faculty email id
11.	faculty_contact_no	Varchar(10)	Not null	Faculty contact number
12.	faculty_is_hod	Varchar(5)	Not null	Faculty is hod or not
13.	profile_pic	String	Not null	Image

## student\_table

**Table Name:-** student\_table

**Description:-** To Store the student detail

**Primary Key:-** faculty\_id

**Foreign Key:-** login\_id,degree\_id,course\_id,semester\_id

No.	Field name	Data type	Constraint	Description
1.	student_enrollment_no	Int	Primary key,ai	Student enrollment no
2.	login_id	Int	Foreign key	Login id
3.	degree_id	Int	Foreign key	Degree id
4.	course_id	Int	Foreign key	Course id
5.	semester_id	Int	Foreign key	Semester id
6.	student_fname	Varchar(30)	Not null	First name of student
7.	student_lname	Varchar(30)	Not null	Last name of student
8.	student_dob	Date	Not null	Student date of birth
9.	student_phone	Varchar(30)	Not null	Student phone no
10.	student_parent_contact	Varchar(10)	Not null	Student parent mobile no
11.	student_status	Varchar(10)	Not null	Student status
12.	student_qualification	Varchar(6)	Not null	Student qualification
13.	profile_pic	String	Not null	Image

## exam\_schedule\_table

**Table Name:-** exam\_schedule\_table

**Description:-** To Store the exam schedule

**Primary Key:-** exam\_id

**Foreign Key:-** degree\_id,course\_id,semester\_id,subject\_id

No.	Field name	Data type	Constraint	Description
1.	exam_id	Int	Primary key,ai	Exam id
2.	degree_id	Int	Foreign key	Degree id
3.	course_id	Int	Foreign key	Course id
4.	semester_id	Int	Foreign key	Semester id
5.	subject_id	Int	Foreign key	Subject id
6.	exam_name	Varchar(20)	Not null	Name of exam
7.	exam_star_date	Date	Not null	Starting date
8.	exam_end_date	Date	Not null	Ending date

## lecture\_schedule\_table

**Table Name:-** lecture\_schedule\_table

**Description:-** To Store the lecture Details

**Primary Key:-** lecture\_id

**Foreign Key:-** degree\_id, course\_id, semester\_id, subject\_id, faculty\_id

No.	Field name	Data type	Constraint	Description
1.	lecture_id	Int	Primary key	Lecture id
2.	degree_id	Int	Foreign key	Degree id
3.	course_id	Int	Foreign key	Course id
4.	semester_id	Int	Foreign key	Semester id
5.	subject_id	Int	Foreign key	Subject id
6.	faculty_id	Int	Foreign key	Faculty id
7.	lecture_day	Varchar(8)	Not null	Day of lecture
8.	lecture_date_time	Datetime	Not null	Date of lecture

## Assignment\_table

**Table Name:-** assignment\_table

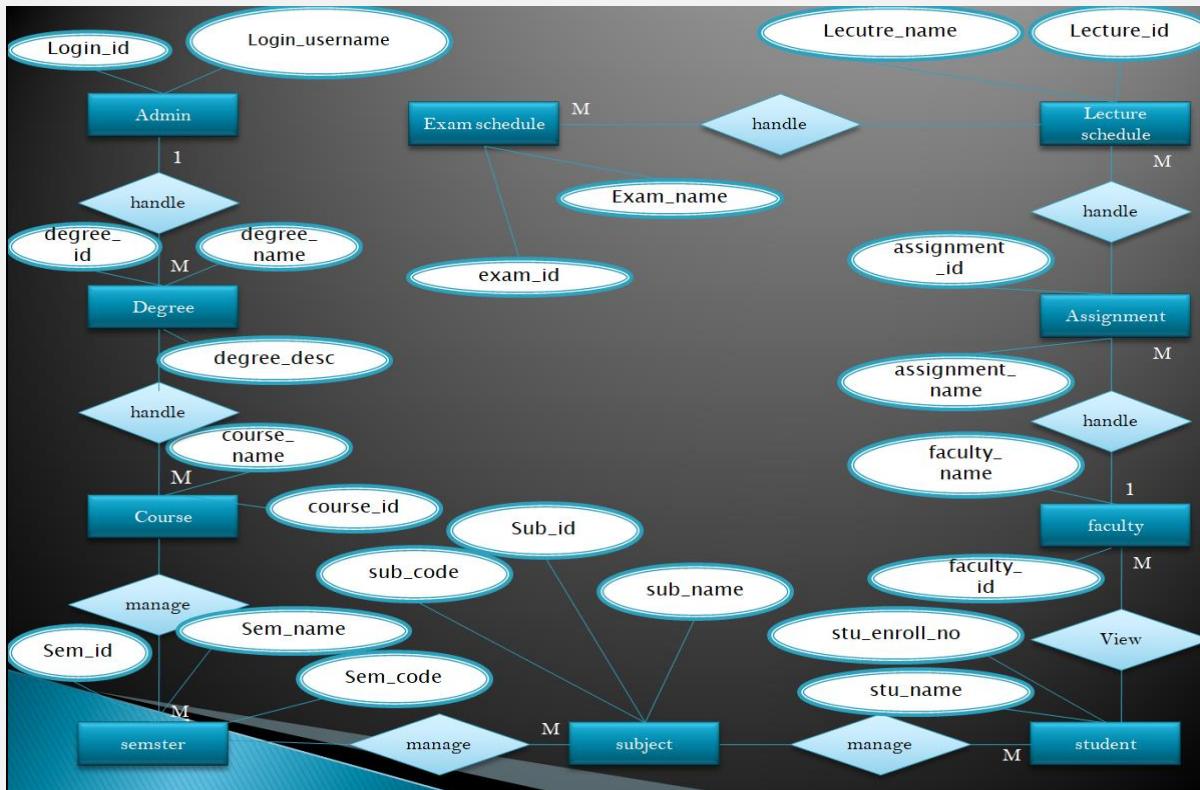
**Description:-** To Store the assignment Details

**Primary Key:-** assignment\_id

**Foreign Key:-** subject\_id

No.	Field name	Data type	Constraint	Description
1.	assignment_id	Int	Primary key,ai	Assignment id
2.	subject_id	Int	Foreign key	Subject id
3.	assignment_description	Varchar(50)	Not null	Assignment description
4.	assignment_title	Varchar(30)	Not null	Assignment title
5.	assignment_start_date	Date	Not null	Assignment start date
6.	assignment_end_date	Date	Not null	Assignment end date
7.	assignment_marks	Int	Not null	Assignment marks

## E\_R DIAGRAMME



## **Process Description For Admin**

- **1.Login:-**

**Admin can enter email address & password if they are valid then admin can able to manage this system.**

- **2.Manage degree:-**

**In this process admin manage the degree,add,update and delete degree name and year .**

- **3.Manage course:-**

**admin can add the course details.**

**Admin manage the course information and view the course details.**

- **4.Mnage semester:-**

**Admin can add the semester information and details.**

- **5.Manage subject:-**

**Admin can add subject information.**

- **6.Manage student:-**

**Admin can add and manage student information .**

- **7.Manage faculty:-**

**Admin can manage faculty add faculty information.**

## **Process Description For Faculty**

➤ **1.Login:-**

Faculty can enter email address & password if they are valid then faculty can able to manage this system.

➤ **2.View profile:-**

Faculty can view profile.

➤ **3.Manage assignment:-**

In this process faculty can manage the assignment details.

➤ **4.Manage lecture schedule:-**

Faculty can manage lecture schedule.

➤ **5.Manage exam schedule:-**

Faculty can manage exam schedule.

➤ **6.View student:-**

Faculty can view student details.

## **Process Description For Student**

- **1.Login:-**

**Student can enter email address & password if they are valid then student can able to view.**

- **2.View subject:-**

**Student can view subject.**

- **3.View faculty:-**

**Student can view faculty.**

- **4.View assignment :-**

**Student can view assignment.**

- **5.View exam schedule:-**

**Student can view exam schedule.**

- **6.View lecture schedule:-**

**Student can view lecture schedule.**

## **Process-Algorithm**

### **Process Algorithm For Admin**

Step 1: START

Step 2: enter email address and password.

Step 3: if admin email and password is valid then go to step 4 otherwise go to step 2.

Step 4: admin can manage degree.

Step 5: admin can mange course.

Step 6: admin can manage semester.

Step 7: admin can manage subject.

Step 8: admin can manage student.

Step 9:admin can manage faculty.

Step10: logout

Step11:end

## **Process Algorithm For Faculty**

Step 1: start

Step 2: enter email address and password.

Step 3: if faculty email and password is valid then go to step 4 otherwise go to step 2.

Step 4: faculty can view profile.

Step 4: faculty can manage assignment.

Step 5: faculty can manage lecture schedule.

Step 6: faculty can manage exam schedule.

Step 7: faculty can view student.

Step 8: logout

Step 9: end

## **Process Algorithm For Student**

Step 1: START

Step 2: enter email address and password.

Step 3: if student email and password is valid then go to step 4  
otherwise go to step 2.

Step 4:student can view faculty.

Step 5:student can view assignment.

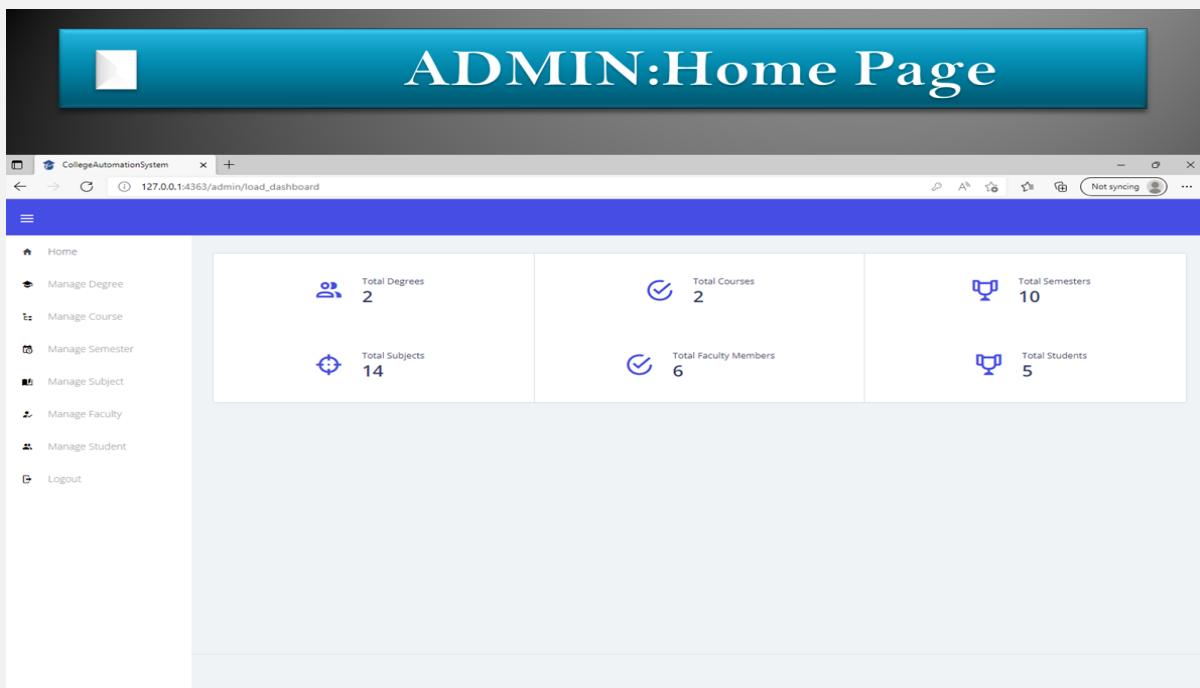
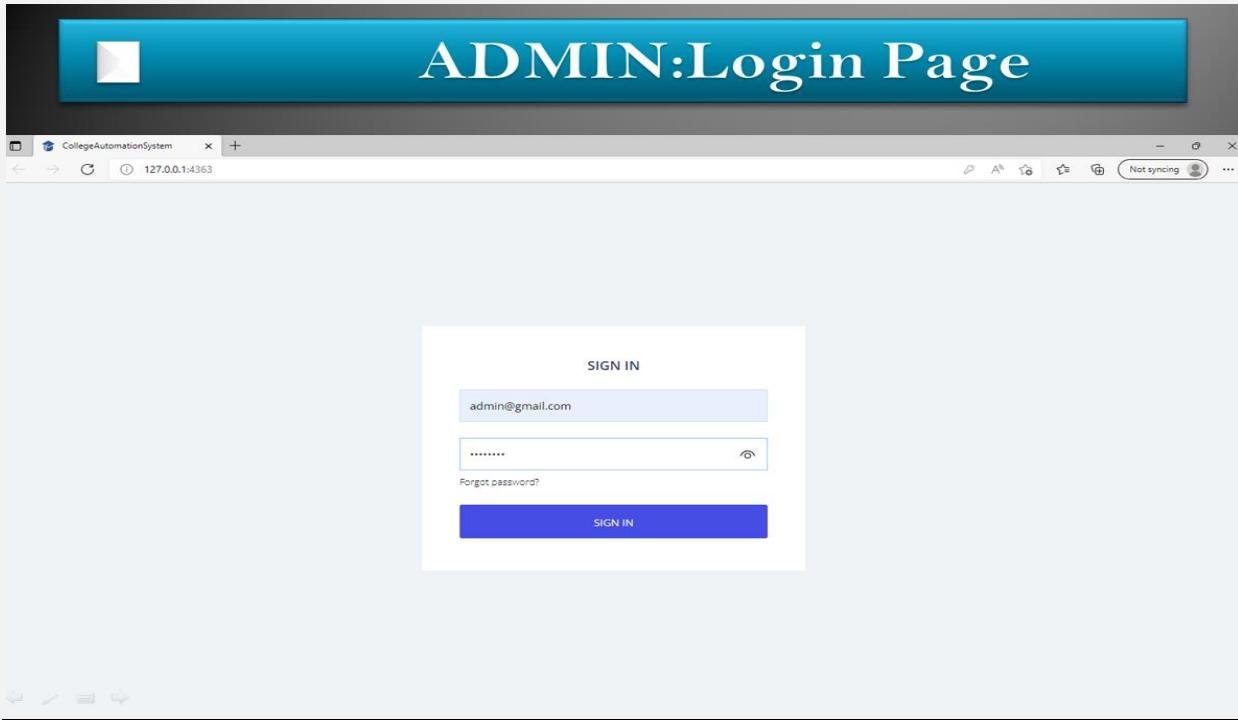
Step 6:student can view manage lecture schedule.

Step 7: student can view manage exam schedule.

Step 8:logout

Step 9: END

## INPUTDESIGN



# ADMIN:Add degree

CollegeAutomationSystem 127.0.0.1:4363/admin/load\_degree

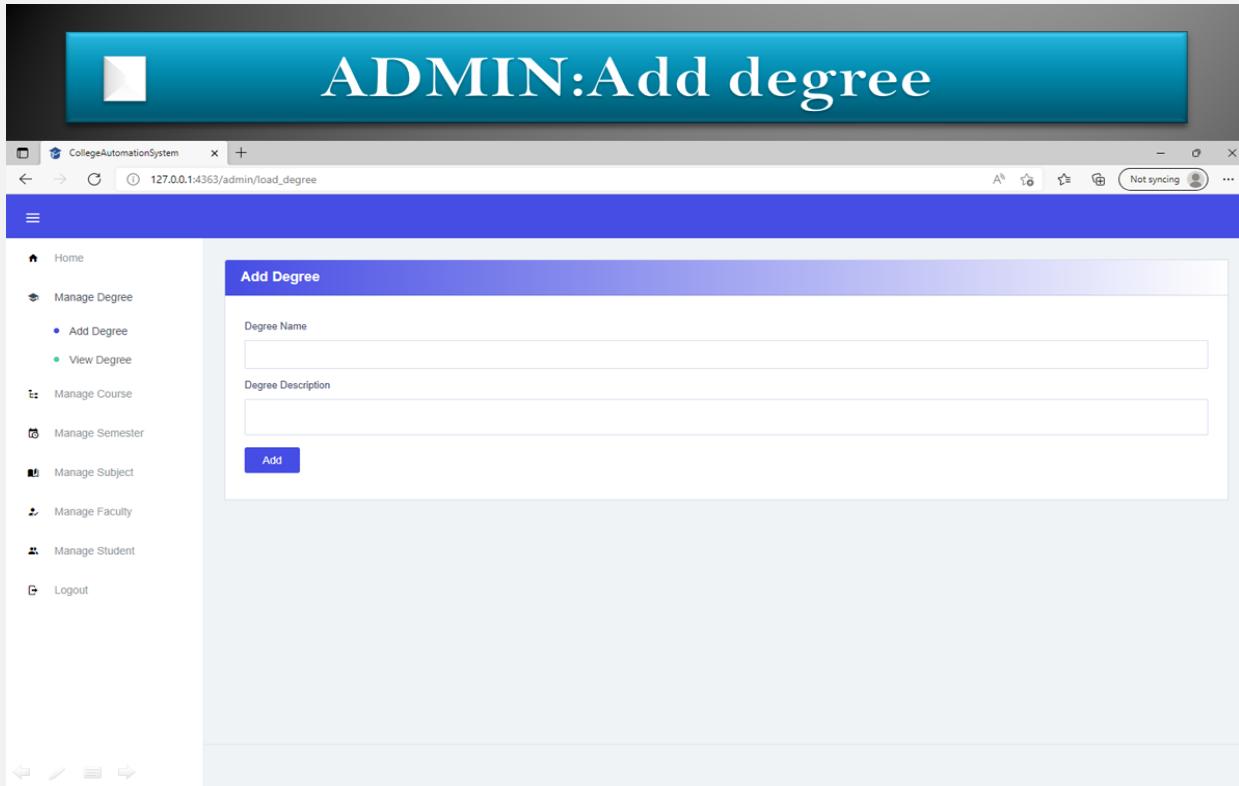
Add Degree

Degree Name

Degree Description

Add

Home Manage Degree Add Degree View Degree Manage Course Manage Semester Manage Subject Manage Faculty Manage Student Logout



# ADMIN: Add Course

CollegeAutomationSystem 127.0.0.1:4363/admin/load\_course

Add Course

Degree Name  
Select Degree

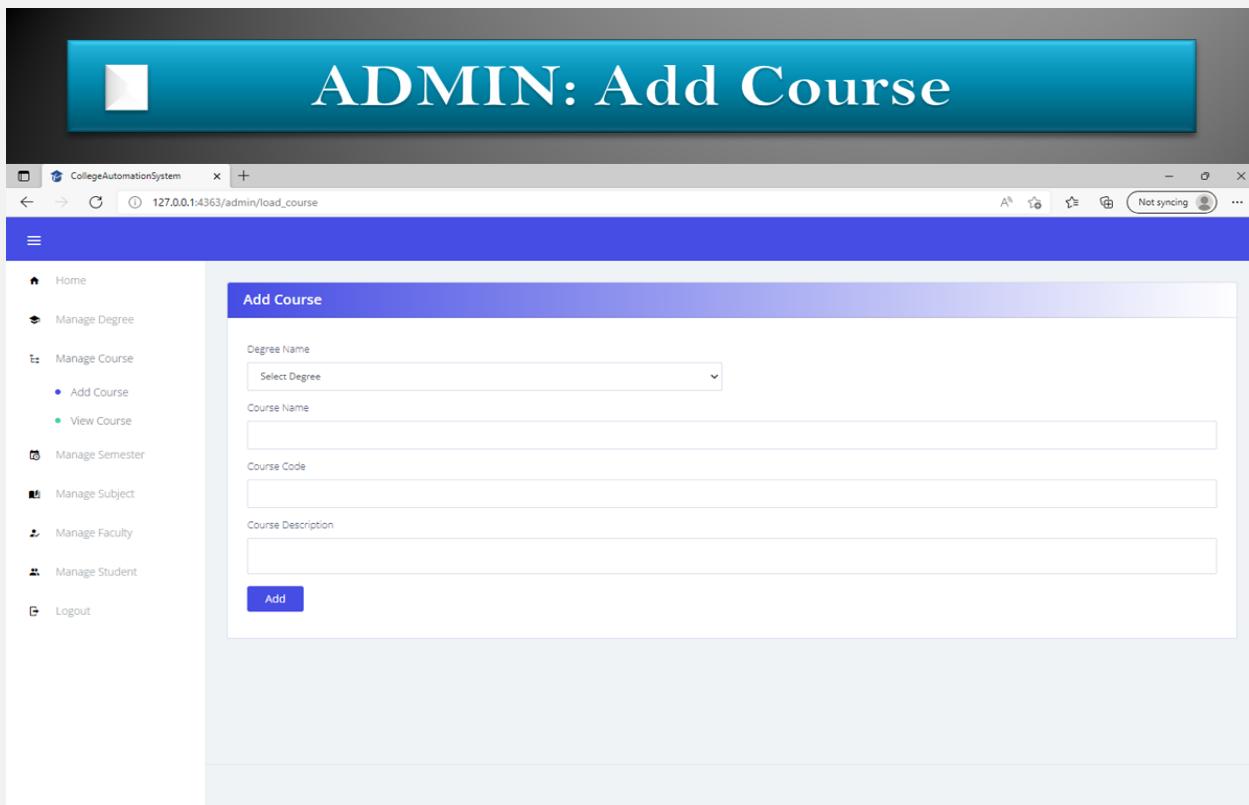
Course Name

Course Code

Course Description

Add

Home Manage Degree Add Course View Course Manage Course Manage Semester Manage Subject Manage Faculty Manage Student Logout



## ADMIN:Add Semester

CollegeAutomationSystem 127.0.0.1:4363/admin/load\_semester

Add Semester

Degree Name	Course Name
Select Degree	Select Course
Semester Number	
<input type="button" value="Add"/>	

Home Manage Degree Manage Course Manage Semester Add Semester View Semester Manage Subject Manage Faculty Manage Student Logout

## ADMIN:Add Subject

CollegeAutomationSystem 127.0.0.1:4363/admin/load\_subject

Add Subject

Degree Name	Course Name	Semester Number
Select Degree	Select Course	Select Semester
Subject Name		
Subject Code		
Subject Textbook		
<input type="button" value="Add"/>		

Home Manage Degree Manage Course Manage Semester Manage Subject Add Subject View Subject Manage Faculty Manage Student Logout

# ADMIN:Add Faculty

CollegeAutomationSystem | CollegeAutomationSystem | 127.0.0.1:4363/admin/load\_faculty | Not syncing

Home Manage Degree Manage Course Manage Semester Manage Subject Manage Faculty Add Faculty View Faculty Manage Student Logout

### Add Faculty

Faculty Email:

First Name:  Last Name:

Degree Name:  Course Name:  Subject Name:

Gender:  Male  Female Faculty is HOD?:  Yes  No

Faculty Qualification:  Faculty Teaching Experience:

Contact Number:  Upload Image:  Upload

Add

# ADMIN:Add Student

CollegeAutomationSystem | CollegeAutomationSystem | 127.0.0.1:4363/admin/load\_student | Not syncing

Home Manage Degree Manage Course Manage Semester Manage Subject Manage Faculty Add Student View Student Logout

### Add Student

Student Email:  Enrollment No:

First Name:  Last Name:

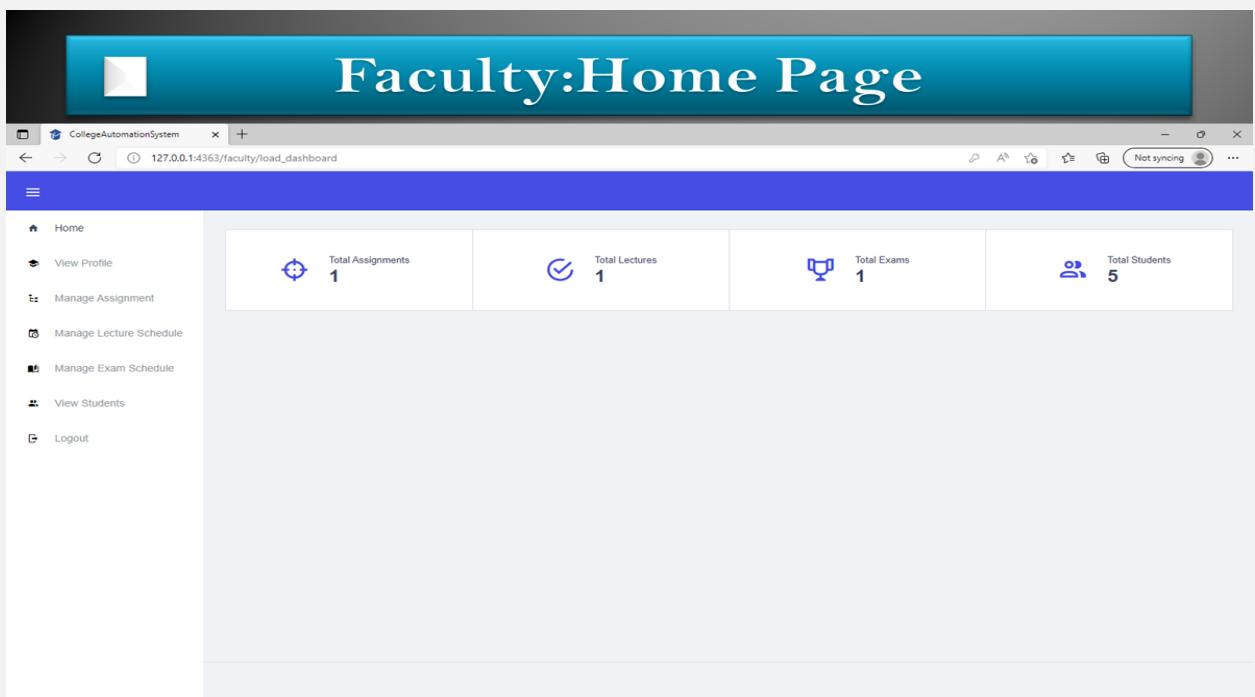
Degree Name:  Course Name:  Semester:

Gender:  Male  Female Date Of Birth:

Student Contact Number:  Parent Contact Number:

Upload Image:  Upload

Add



## Faculty:Profile

View Profile



Degree Name: Bachelor's Degree  
Course Name: BCA  
Subject Name: INFORMATION TECHNOLOGY AND SYSTEM MAINTENANCE

Email: farreenal29@gmail.com

First Name: reenal Last Name: joshi

Gender: Female Contact Number: 7857378534

Qualification: MCA Teaching Experience: 3 year

## Faculty:Add Assignment

Add Assignment

Degree Name: Bachelor's Degree Course Name: BCA

Semester Number: Select Semester Subject Name: Select Subject

Assignment Title:

Assignment Start Date: mm/dd/yyyy Assignment End Date: mm/dd/yyyy

Assignment Description:

Assignment Marks:

Upload File: Upload Image

## Faculty:Add Lecture Schedule

CollegeAutomationSystem 127.0.0.1:4363/faculty/load\_lecture

Add Lecture Schedule

Degree Name	Course Name
Bachelor's Degree	BCA
Semester Number	Subject Name
Select Semester	Select Subject
Lecture Date	Lecture Day
mm/dd/yyyy	
Lecture Start Time	Lecture End Time
...:-- --	...:-- --
<b>Add</b>	

## Faculty:Add Exam schedule

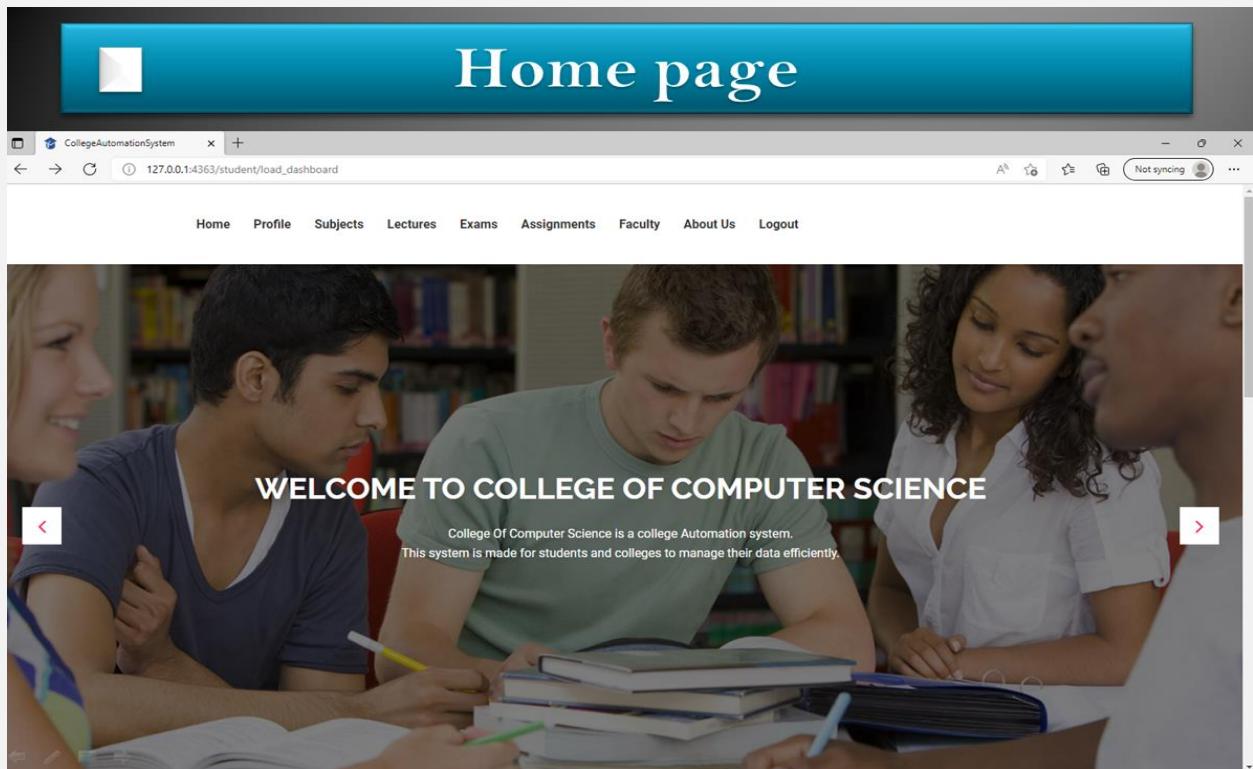
CollegeAutomationSystem 127.0.0.1:4363/faculty/load\_exam

Add Exam Schedule

Degree Name	Course Name
Bachelor's Degree	BCA
Semester Number	Subject Name
Select Semester	Select Subject
Exam Name	Exam Date
	mm/dd/yyyy
Exam Start Time	Exam End Time
...:-- --	...:-- --
<b>Add</b>	



SIGN IN

  
  
[Forgot password?](#)  


# View Profile

127.0.0.1:4363/student/view\_profile

Home Profile Subjects Lectures Exams Assignments Faculty About Us Logout

## ARSHITA THUMMAR



Home Profile

### Your profile

arshita thummar

Email : studentarshita34@gmail.com

Degree : Bachelor's Degree

Course : BCA

Semester Number : 1

127.0.0.1:4363/student/view\_profile

Home Profile Subjects Lectures Exams Assignments Faculty About Us Logout

arshita thummar

Email : studentarshita34@gmail.com

Degree : Bachelor's Degree

Course : BCA

Semester Number : 1

Enrollment No : 190322110001

Gender : Female

Date Of Birth : 1998-05-04

Contact No : 7699837955

Parent Contact No : 2345678653



# Subject

127.0.0.1:4363/student/view\_subject

Home Profile Subjects Lectures Exams Assignments Faculty About Us Logout

Home Subjects

Object oriented programming Subject Textbook : -- <a href="#">Subject Code : A1OOP</a>	OFFICE AUTOMATION TOOLS Subject Textbook : -- <a href="#">Subject Code : 1A2OAT</a>	BASIC WEB PROGRAMMING-I Subject Textbook : -- <a href="#">Subject Code : 1A3BWP1</a>
--	---	--

# Assignment

127.0.0.1:4463/student/view\_assignment

Home Profile Subjects Lectures Exams Assignments Faculty About Us Logout

ASSIGNMENTS

Home Assignments

## Assignments

assignment 1 OBJECT ORIENTED PROGRAMMING Offline Submission <a href="#">VIEW ASSIGNMENT</a>	assignment 1 OFFICE AUTOMATION TOOLS -- <a href="#">VIEW ASSIGNMENT</a>
--	--

# Lecture

CollegeAutomationSystem 127.0.0.1:4463/student/view\_lecture

Home Profile Subjects Lectures Exams Assignments Faculty About Us Logout

## ALL LECTURES

[Home](#) [Lectures](#)

**OBJECT ORIENTED PROGRAMMING**  
Start Time : 13:53:00  
End Time : 14:53:00  
by reenal joshi  
2022-04-01 friday

**OFFICE AUTOMATION TOOLS**  
Start Time : 10:52:00  
End Time : 11:52:00  
by reena patel  
2022-04-21 Thursday

◀ ▶ ⟲ ⟳

# Faculty

CollegeAutomationSystem 127.0.0.1:4463/student/load\_faculty

Home Profile Subjects Lectures Exams Assignments Faculty About Us Logout

[Home](#) [Faculty](#)

## Best Experts

**Vishal Sharma**  
OBJECT ORIENTED CONCEPTS AND PROGRAMMING  
Vishal Sharma is one of the very excellent and devoted faculty member. Vishal Sharma has 3 Year of experience. Vishal Sharma is qualified with BSC IT.  
Vishal Sharma teaches OBJECT ORIENTED CONCEPTS AND PROGRAMMING in of Bachelor's Degree.

**Hina khan**  
BASIC WEB PROGRAMMING-II  
Hina khan is one of the very excellent and devoted faculty member. Hina khan has 2 Year of experience. Hina khan is qualified with MCA.  
Hina khan teaches BASIC WEB PROGRAMMING-II in of Bachelor's Degree.

**Jigna Gupta**  
OFFICE AUTOMATION TOOLS  
Jigna Gupta is one of the very excellent and devoted faculty member. Jigna Gupta has 3 Year of experience. Jigna Gupta is qualified with BSC IT.

**Reena Patel**  
LOGIC DEVELOPMENT WITH PROGRAMMING-II  
Reena Patel is one of the very excellent and devoted faculty member. Reena Patel has 3 Year of experience. Reena Patel is qualified with MSC IT.



### Commitment to Quality

College of the COLLEGE OF COMPUTER SCIENCE has been providing students with a world-class education for over 125 years. Our investment in our students is evidenced by our excellent faculty, along with the highest caliber of curriculum and degree and certificate programs, offered both on campus and online.

### Affordability

Our tuition rates allow you to focus on your education and career goals. Instead of on the cost of your aspirations. COLLEGE OF COMPUTER SCIENCE has no residency requirements, and our Financial Planning department is here to partner with you to ensure that your educational goals are affordable and attainable.

### Real-World Learning



# OUTPUTDESIGN

The screenshot shows a web-based application titled "View degree". The URL is 127.0.0.1:4363/admin/view\_degree. On the left, there is a sidebar with a navigation menu:

- Home
- Manage Degree
  - Add Degree
  - View Degree
- Manage Course
- Manage Semester
- Manage Subject
- Manage Faculty
- Manage Student
- Logout

The main content area is titled "View Degree" and displays a table of degree entries:

Degree Name	Degree Description	Actions
Bachelor's Degree	a degree that is given to a student by a college or university usually after three and four years of study.	[Edit] [Delete]
Master's Degree	A master's degree is an academic qualification granted at the postgraduate level to individuals who have successfully undergone study demonstrating a high level	[Edit] [Delete]

Showing 1 to 2 of 2 entries

The screenshot shows a web-based application titled "View courses". The URL is 127.0.0.1:4363/admin/view\_course. On the left, there is a sidebar with a navigation menu:

- Home
- Manage Degree
- Manage Course
  - Add Course
  - View Course
- Manage Semester
- Manage Subject
- Manage Faculty
- Manage Student
- Logout

The main content area is titled "View Course" and displays a table of course entries:

Course Code	Degree Name	Course Name	Course Description	Actions
001	Bachelor's Degree	B.C.A	Bachelors in computer application	[Edit] [Delete]
002	Master's Degree	M.C.A	Masters in Computer Applications	[Edit] [Delete]

Showing 1 to 2 of 2 entries

**View semester**

127.0.0.1:4363/admin/view\_semester

**View Semester**

Show 10 entries

Degree	Department	Semester	Actions
Bachelor's Degree	B.C.A	1	<input type="checkbox"/> <input type="button"/>
Bachelor's Degree	B.C.A	2	<input type="checkbox"/> <input type="button"/>
Bachelor's Degree	B.C.A	3	<input type="checkbox"/> <input type="button"/>
Bachelor's Degree	B.C.A	4	<input type="checkbox"/> <input type="button"/>
Bachelor's Degree	B.C.A	5	<input type="checkbox"/> <input type="button"/>
Bachelor's Degree	B.C.A	6	<input type="checkbox"/> <input type="button"/>
Master's Degree	M.C.A	1	<input type="checkbox"/> <input type="button"/>
Master's Degree	M.C.A	2	<input type="checkbox"/> <input type="button"/>
Master's Degree	M.C.A	3	<input type="checkbox"/> <input type="button"/>
Master's Degree	M.C.A	4	<input type="checkbox"/> <input type="button"/>

**View subject**

127.0.0.1:4363/admin/view\_subject

**View Subject**

Show 10 entries

Subject Code	Degree	Course	Semester No	Subject Name	Subject Textbook	Actions
1A2OAT	Bachelor's Degree	B.C.A	1	OFFICE AUTOMATION TOOLS	--	<input type="checkbox"/> <input type="button"/>
1A3BWP1	Bachelor's Degree	B.C.A	1	BASIC WEB PROGRAMMING-I	--	<input type="checkbox"/> <input type="button"/>
2A1LDP	Bachelor's Degree	B.C.A	2	LOGIC DEVELOPMENT WITH PROGRAMMING-II	--	<input type="checkbox"/> <input type="button"/>
2A2BWP2	Bachelor's Degree	B.C.A	2	BASIC WEB PROGRAMMING-II	--	<input type="checkbox"/> <input type="button"/>
2A3ITM	Bachelor's Degree	B.C.A	2	INFORMATION TECHNOLOGY AND SYSTEM MAINTENANCE	--	<input type="checkbox"/> <input type="button"/>
3A1OOP	Bachelor's Degree	B.C.A	3	OBJECT ORIENTED CONCEPTS AND PROGRAMMING	--	<input type="checkbox"/> <input type="button"/>
3A2DFS	Bachelor's Degree	B.C.A	3	DATA AND FILE STRUCTURE	--	<input type="checkbox"/> <input type="button"/>
3A3DBM	Bachelor's Degree	B.C.A	3	DATABASE MANAGEMENT SYSTEM	--	<input type="checkbox"/> <input type="button"/>
4A1GUI	Bachelor's Degree	B.C.A	4	GUI PROGRAMMING	--	<input type="checkbox"/> <input type="button"/>
4A3ADB	Bachelor's Degree	B.C.A	4	ADVANCE DATABASE MANAGEMENT	--	<input type="checkbox"/> <input type="button"/>

# View faculty

CollegeAutomationSystem 127.0.0.1:4363/admin/view\_faculty

Show 10 entries

Profile Pic	Firstname	Lastname	Gender	Degree	Course	Subject	Username	Qualification	Experience
	vishal	sharma	Male	Bachelor's Degree	B.C.A	OBJECT ORIENTED CONCEPTS AND PROGRAMMING	facultyvishal34@gmail.com	BSC IT	3 year
	hina	khan	Female	Bachelor's Degree	B.C.A	BASIC WEB PROGRAMMING-II	facultyhina34@gmail.com	M.C.A	2 year
	jigna	gupta	Female	Bachelor's Degree	B.C.A	OFFICE AUTOMATION TOOLS	facultyjigna34@gmail.com	BSC IT	3 year
	reena	patel	Female	Bachelor's Degree	B.C.A	LOGIC DEVELOPMENT WITH PROGRAMMING-II	facultyreena34@gmail.com	MSC IT	3 year
	savan	patel	Male	Bachelor's Degree	B.C.A	BASIC WEB PROGRAMMING-I	facultysavan23@gmail.com	BE IT	5 year
	reenal	joshi	Female	Bachelor's Degree	B.C.A	INFORMATION TECHNOLOGY AND SYSTEM MAINTENANCE	facultyreenal23@gmail.com	M.C.A	3 year

Showing 1 to 6 of 6 entries

# View Student

CollegeAutomationSystem 127.0.0.1:4363/admin/view\_student

Show 10 entries

Profile Pic	EnrollmentNo	Name	Gender	Degree	Course	Semester	Username	DOB	ContactNo	Parent ContactNo
	19000000002	kaushal patel	Male	Bachelor's Degree	B.C.A	2	studentkaushal23@gmail.com	2001-05-31	9908776843	9087652345
	19000000001	archita thummar	Female	Bachelor's Degree	B.C.A	1	studenttarshita34@gmail.com	1998-06-04	7699837955	2345678653
	19000000004	jaimin khan	Male	Bachelor's Degree	B.C.A	1	studentjaimin23@gmail.com	2001-01-24	4556543678	23456568653
	19000000005	shan gupta	Male	Bachelor's Degree	B.C.A	1	studentshan23@gmail.com	2003-01-31	9876567575	7897876543
	19000000003	riyajoshi	Female	Bachelor's Degree	B.C.A	1	studentriya23@gmail.com	2000-09-30	8969856743	7857378990

Showing 1 to 5 of 5 entries

# View Assignment

CollegeAutomationSystem 127.0.0.1:4363/faculty/view\_assignment Not syncing ...

Home View Profile Manage Assignment Add Assignment View Assignment Manage Lecture Schedule Manage Exam Schedule View Students Logout

Show 10 entries

Semester	Subject	Title	Start Date	End Date	Total Marks	Description	File	Actions
1	OBJECT ORIENTED PROGRAMMING	assignment 1	2022-03-23	2022-04-05	5	Offline Submission	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>	

Showing 1 to 1 of 1 entries Previous 1 Next

# View Lecture Schedule

CollegeAutomationSystem 127.0.0.1:4363/faculty/view\_lecture Not syncing ...

Home View Profile Manage Assignment Add Assignment View Lecture Schedule Manage Lecture Schedule Add Lecture Schedule View Lecture Schedule Manage Exam Schedule View Students Logout

Show 10 entries

Semester	Subject	Date	Day	Start Time	End Time	Actions
1	OBJECT ORIENTED PROGRAMMING	2022-04-01	friday	13:53:00	14:53:00	<a href="#">Edit</a> <a href="#">Delete</a>

Showing 1 to 1 of 1 entries Previous 1 Next

# View Exam Schedule

CollegeAutomationSystem 127.0.0.1:4363/faculty/view\_exam

- Home
- View Profile
- Manage Assignment
- Manage Lecture Schedule
- Manage Exam Schedule
  - Add Exam Schedule
  - View Exam Schedule
- View Students
- Logout

## View Exam Schedule

Show 10 entries

Semester	Name	Subject	Date	Start Time	End Time	Actions
1	OBJECT ORIENTED PROGRAMMING	Internal Exam	2022-04-05	23:54:00	13:54:00	<input checked="" type="checkbox"/> <input type="button" value="Delete"/>

Showing 1 to 1 of 1 entries

Previous 1 Next

# Faculty:View student

CollegeAutomationSystem 127.0.0.1:4363/faculty/view\_student

- Home
- View Profile
- Manage Assignment
- Manage Lecture Schedule
- Manage Exam Schedule
- View Students
- Logout

## View Student

Show 10 entries

Degree	Course	Semester	Username	EnrollmentNo	Name	Gender	DOB	ContactNo	Parent ContactNo	Profile Pic
Bachelor's Degree	BCA	1	studentarshita34@gmail.com	19000000001	arshita	Female	1998-05-04	7699837955	2345678653	
Bachelor's Degree	BCA	2	studentkaushal23@gmail.com	19000000002	kaushal	Male	2001-05-31	9908776843	9087652345	
Bachelor's Degree	BCA	1	studentriya23@gmail.com	19000000003	riya	Female	2000-09-30	8969856743	7857378990	
Bachelor's Degree	BCA	1	studentjaimin23@gmail.com	19000000004	jaimin	Male	2001-01-24	4556543678	2345656653	
Bachelor's Degree	BCA	1	studentshan23@gmail.com	19000000005	shan	Male	2003-01-31	9876567575	7897876543	

Showing 1 to 5 of 5 entries

Previous 1 Next

# **TESTING**

► We have use following method for testing the system

➤ **Specification Testing:-**

- The specification testing is what program dose in some various conditon is.

- we check this system to give wrong email id and password,wrong data than system display error.

➤ **Code Testing:-**

- The code testing is examining the logic of program.

- We have testing all path of program to specific combination and condition that handle by program.

➤ **Unit Testing:-**

- Unit testing is focused on verifying small portion of functionality. Unit testing is important part where each module and process of application is to be possible input sets and desired output.

- we have check different type of modules like admin,faculty and student module.

## **Post-Implementation Review**

- ▶ **After the system is implemented and conversion is complete, student can view data.**
  - In this system all requirements are fulfills.
  - The Admin can easily insert, update and delete the record in efficient way.
  - The faculty can easily insert, update, delete the record of lectures and schedules in efficient way.
  - This system is user-friendly and easily understand.
  - Student can view faculty, subject, assignment, exam & lecture schedule student can speedly work using this system.
  - The performance level of student has improved.

## Future Enhancement

- ▶ **Some are the expension which we have thought of are:**
  - Try to make system more user friendly.
  - Improve search facility.
  - Admin can gives a facility to student which can upload assignment online .
  - In future, we are planning to add more functionality student can apply for leave and online fess payment.
  - In future, we are planning to add more functionalitiy faculty can decide grade on assignment.

## Bibliography

- ▶ **Referred Web sites:**
  - ▶ [www.geekyshows.com](http://www.geekyshows.com)
  - ▶ [www.W3School.com](http://www.W3School.com)
  - ▶ [www.youtube.com](http://www.youtube.com)
  - ▶ [www.learnpython.org](http://www.learnpython.org)

★ THANK YOU ★