

A
PROJECT REPORT
ON
"PROGRESS PILOT"
As A Partial Requirement for the Degree of
BACHELOR OF COMPUTER APPLICATIONS
(B.C.A)

Submitted To



**C.B PATEL COMPUTER COLLEGE &
J. N. M. PATEL SCIENCE COLLEGE,
BHARTHANA, VESU, SURAT.**

Affiliated To
**VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT.
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When we reach the completion of the project, giving credit becomes a must, as without the support of other so many people's help and guidance, this project could not be completed successfully.

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Last but not least, I would like to thank my family for their unwavering support and understanding during the entire duration of this project.

Sincerely,

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1.

Introduction

Welcome to Progress Pilot: Revolutionizing Project Progress Tracking

Introducing Progress Pilot, A cutting-edge project progress tracking system designed to streamline the management process and enhance collaboration among stakeholders. Progress Pilot is a sophisticated platform built with innovation at its core. Leveraging the power of PHP, HTML, CSS, JavaScript, jQuery, AJAX, and Flutter, it offers a seamless and intuitive user experience across various devices and platforms.

Empowering Administrators:

The backbone of Progress Pilot lies in its administrative module. Administrators wield powerful tools to add, manage, and oversee faculty and head faculty details. Additionally, they have the capability to manage student group details with ease, ensuring smooth operations within the system.

Empowering Head Faculty:

Head faculty members play a pivotal role in the allocation and management of student groups. With the ability to allocate and oversee groups, they ensure optimal distribution and progress monitoring. Additionally, head faculty manage various categories of progress, ensuring projects stay on track towards success.

Empowering Faculty:

Faculty members are equipped with a comprehensive suite of features to manage group progress effectively. From attendance tracking to schedule management, faculty members can generate detailed progress reports, providing valuable insights for project improvement and refinement.

Empowering Students:

In the heart of Progress Pilot lies its dedication to student empowerment. Through the Flutter-based student module, students can register their group details, monitor progress given by faculty, and follow &access schedules effortlessly. Moreover, students have the ability to search for FAQs and request schedule changes, fostering open communication and collaboration with faculty member.

2.

Project Profile

Project Title	PROGRESS PILOT
Project Type	MOBILE / WEB APPLICATION
Project Category	PROJECT PROGRESS MANAGEMENT SYSTEM
Front End Technology	HTML ,CSS ,BOOTSTRAP ,FLUTTER
Back End Technology	PHP, DART, JQUERY, AJAX, JAVA SCRIPT
Data base	MYSQL SERVRE
Development Tools	VS CODE, ANDROID STUDIO
Team Member	3
Project Duration	3 MONTHS
Project Guide By	ASST. PROF. MAULIK CHUDAWALA
Submitted To	C. B. PATEL COMPUTER COLLEGE
Submitted By	JAY A. SOPARIWALA DIYA P. PRESSWALA ISHA P. JARIWALA

3.
Objectives

The main objective of our PROGRESS PILOT is to help faculties to easily manage their students project progress and students to monitors their performance.

- ⊕ It offers Admin to manage faculty and head faculty details as well as manages students and it's group details, view the groups allocated to the faculties.
- ⊕ It also offers faculties to great functionalities such as scheduling, attendances, generate reports. We provide efficient, effortless and user-friendly functionalities.
- ⊕ It offers Additional functions to the head faculty such as to allocate groups to the faculties, also manages the allocated groups and manages progress categories.
- ⊕ Students are allows to use mobile application to monitors their progress, attendance, schedules given by their faculty.
- ⊕ It also provides mobile application to faculties for easily manages their groups via smart phones because every time they have not their pc's to manage things.

Progress Pilot is a new and innovative way to keep track of project progress. It has lots of great features, it's easy to use, and it's all about making sure everyone involved feels empowered and involved. Progress Pilot is here to change the way projects are managed in schools and colleges. Come along with us on this journey to work together better, be more efficient, and achieve success with Progress Pilot!

4. Project Category

- ⊕ Progress Pilot categorized into the Mobile Application as well Website, means this is developed in the PHP technology for web and FLUTTER technology for app.
- ⊕ Website& Mobile Application means this system is host onto the server and manages on the server and 24hour INTERNET facility is required.
- ⊕ The database is stored on the server computer and managed by any computer and any validations or any scripts are executed on the server.
- ⊕ The any verifications or any checking is done before send to database is done by the server only.
- ⊕ In the web/mobile-based application, the workload on servers is slightly greater because they are responsible for the manageability of the system.
- ⊕ The development of web/mobile-based application is considerable because security is much better than the desktop application.
- ⊕ The management of database is much easier than managing single PC, means database is also stored on the server so it is the responsibility of server for managing it.

5. **Environment Description**

- Hardware And Software Requirement**

Technology	Php, Flutter
GUI Tool Used	Microsoft VS Code, Android Studio
Data base Server	MySQL Server (000Webhost Server)

- The hardware and software required for developing Application / Website are described below:-**

Hardware Requirement	
Processor	Intel Core i3
Ram	4 GB
Hard disk	NO

Software Requirement	
Operating System	Windows 10
Web Browser	Google Chrome
Software	Microsoft VS Code , Android Studio, XAMPP

6. Technology Description

Utilizing HTML, CSS, JavaScript, Bootstrap, PHP, and Flutter provides a comprehensive and versatile tech stack for developing a project management system with web and mobile capabilities. Here's how each technology can be leveraged:

1. HTML (Hyper Text Markup Language)

- ❖ HTML, or Hyper Text Markup Language, is the standard markup language for creating web pages and web applications.
- ❖ It provides a structure for content on the web, allowing developers to define the layout and appearance of web pages.
- ❖ HTML forms the structure of web pages in the project management system.
- ❖ It defines the layout, headings, paragraphs, forms, and other content elements.

2. CSS (Cascading Style Sheets):

- ❖ CSS, which stands for Cascading Style Sheets, is a fundamental technology used for styling web pages.
- ❖ It defines how HTML elements are displayed on a webpage, controlling their layout, appearance, and behavior.
- ❖ CSS enables web developers to create visually appealing and consistent designs across various devices and screen sizes.
- ❖ CSS is used for styling and formatting the HTML elements.
- ❖ It controls the colors, fonts, spacing, and overall visual appearance of the system's user interface.
- ❖ CSS is a powerful tool for web development, offering extensive capabilities for designing visually appealing and responsive websites.
- ❖ Mastery of CSS is crucial for creating modern and engaging user interfaces on the web.

3. JavaScript:

- ❖ JavaScript is a versatile and widely-used programming language primarily known for its role in web development.
- ❖ Initially created by Brendan Eich in 1995, JavaScript has evolved into a powerful language that is now supported by all modern web browsers.
- ❖ JavaScript adds interactivity and dynamic behavior to the project management system.
- ❖ It handles user interactions, form validations, and client-side data manipulation.

4. Bootstrap:

- ❖ Bootstrap is a popular open-source front-end framework for building responsive and mobile-first websites and web applications.
- ❖ Developed by Twitter, it provides a collection of CSS and JavaScript components, as well as pre-styled HTML elements, that help developers create consistent and visually appealing web interfaces quickly and efficiently.
- ❖ Bootstrap is a front-end framework that provides pre-designed UI components and layout utilities.
- ❖ It streamlines the development process by offering responsive design, grid system, and ready-to-use CSS classes.

5. PHP (Hyper Text Preprocessor):

- ❖ PHP (Hypertext Preprocessor) is a widely-used, open-source scripting language primarily designed for web development.
- ❖ It was created by Danish-Canadian programmer Rasmus Lerdorf in 1994 and has since evolved into a powerful tool for building dynamic web applications.
- ❖ PHP is a server-side scripting language used for developing dynamic web applications. It handles server-side logic, database interactions, and backend processing in the project management system.

6. Flutter:

- ❖ Flutter is an open-source UI software development kit (SDK) created by Google.
- ❖ It allows developers to build natively compiled applications for mobile, web, and desktop from a single codebase.
- ❖ Flutter is a UI toolkit developed by Google for building natively compiled applications for mobile, web, and desktop from a single codebase.
- ❖ It can be used to develop the mobile application component of the project management system, offering cross-platform compatibility and native performance.

7.

Analysis Report

Current System

- ❖ Progress Pilot currently use a manual system for the management and maintenance of critical information of student projects.
- ❖ The current system requires numerous paper forms, all the information stored on papers such as attendance reports, group details, progress reports ,with data stores spread without any methods.
- ❖ Often information is incomplete or does not follow the proper steps and often lost by the faculties.
- ❖ Even at the external submission of the project, the external faculties are not aware of the all over performances of students.

Limitation of Current System

- ❖ The paper works have to be Take care.
- ❖ No any final reports of students for external faculties that they can easily measure group performances.
- ❖ Students are not aware with their performance, how their faculties figure out them.
- ❖ At the time of presentation, if project or any module of it may not work or getting error the supervisor will not able to give them marks for their efforts.

Requirement Specification

1) One-on-One Interviews:

We'll sit down with our clients, like administrators, faculty, and students, and ask them what they need from Progress Pilot. We'll plan out our discussion ahead of time, asking open-ended questions to get them talking. Then, we'll dig deeper with probing questions to uncover all the requirements.

2) Questionnaires:

For stakeholders who can't meet in person or have minimal input, we'll use questionnaires. This helps us gather requirements from people in remote locations or those who may not be deeply involved. It's handy when we need input from lots of people quickly and efficiently.

3) Observation:

We'll observe users in their natural settings, like classrooms or staffroom . By watching how they work, we can understand their needs better. This technique helps us identify how things currently operate, find areas for improvement, and uncover hidden requirements.

4) Prototyping:

To make sure we're on the right track, we'll create prototypes of Progress Pilot. These are early versions of the system based on the initial requirements we gather. We'll show these prototypes to our clients, like faculty and students, who can then give us more feedback and requirements. We'll keep refining the system through multiple iterations until it meets everyone's needs and expectations.

Proposed System

1) Transition from Paper-based to Web/App-based:

We're introducing a new system to overcome the limitations of the current paper-based setup. Our proposed system is entirely web/App-based and eliminates the need for physical paperwork. All data will be stored securely in databases, making it easily accessible and manageable.

2) User Entities:

The new system revolves around two main entities: the faculties and students.

3) User Interface Elements:

Users will interact with the system through a user-friendly interface. They(faculties, head faculty, Admin) can view details, access information, manage schedules and attendance. Students can monitor their progress and all over performance.

4) Advantages over Current System:

The proposed system offers significant convenience over the current setup. It reduces paper costs, saves time, and minimizes storage problems associated with paper-based systems.

5) 24-hour Internet Requirement:

The proposed system operates entirely on electronic media and relies on a 24-hour internet connection for optimal functionality. This ensures seamless operation and accessibility from anywhere at any time.

Overall, the proposed system for Progress Pilot promises enhanced efficiency, accessibility, and convenience compared to the current paper-based approach.

Advantages of Proposed System

- ✓ Administrator can easily manage faculties, head faculties and group details.
- ✓ Head faculty can easily allocate groups to the faculties and manages allocated groups.
- ✓ Faculty can easily and methodically manages all over student performances and manage give schedules to their groups.
- ✓ Students can easily register their group details and monitor their all over performance and schedules.
- ✓ At the end faculties are allow to generate all over performance reports of their groups that helps external supervisor to figure out group efforts before giving them marks.

Project Modules

1. Admin

➤ Manage Faculties

- Add Faculties
- Update Faculties
- Delete Faculties
- View Faculties

➤ Manage Head Faculty

- Set New Faculty As Head Faculty
- Change Head Faculty
- View Head Faculty

➤ Manage Student's Group Details

- Update Students Details
- Delete Students Details
- View Students Details
- View Total Progress Of All Groups

➤ View Faculty Wise Allocated Groups

➤ Manage Student Details

- Allows / Disallow Students To Add Their Group Details

2. Faculty

➤ Manage Profile

- View Profile Details
- Update Profile Details

➤ **View Allocated Groups**

- View Students Details Of Each Group
- View Project Profile Of Each Group
- View Total Progress Of Their All Groups

➤ **Manage Schedules**

- Add New Schedules
- Change Schedule As Per Student Request
- Delete Schedules
- View Upcoming Schedules

➤ **Manage Progress**

- Add Progress Of Each Group
- Update Progress Of Each Group
- View Progress Of Each Group

➤ **Manage Group Attendance**

- Add Group Attendance
- View Total Attendance Of Each Group

➤ **Manage Progress Reports**

- Generate Progress Reports
- Preview Progress Reports
- Download Progress Reports As PDF

➤ **Manage Notifications**

- Add New Notifications
- Send Notifications
- View Recent Notifications
- View Replies Of Sent Notifications

2.1 Head Faculty

➤ Mange Group Allocation

- View All Groups
- Allocates Groups To The Faculties
- Change Faculty Of Allocated Groups
- View Faculty Wise Allocated Groups

➤ Manage Progress Categories/Titles

- View Progress Titles
- Update Progress Titles

3.Students

➤ Manage Group/Project Details

- Add Group Details
- Add Project Profile Details
- Update Project Details

➤ Monitor Performances

- View Their Total Progress
- View Individual Category Wise Progress
- View Their Total Attendance

➤ Monitor Schedule

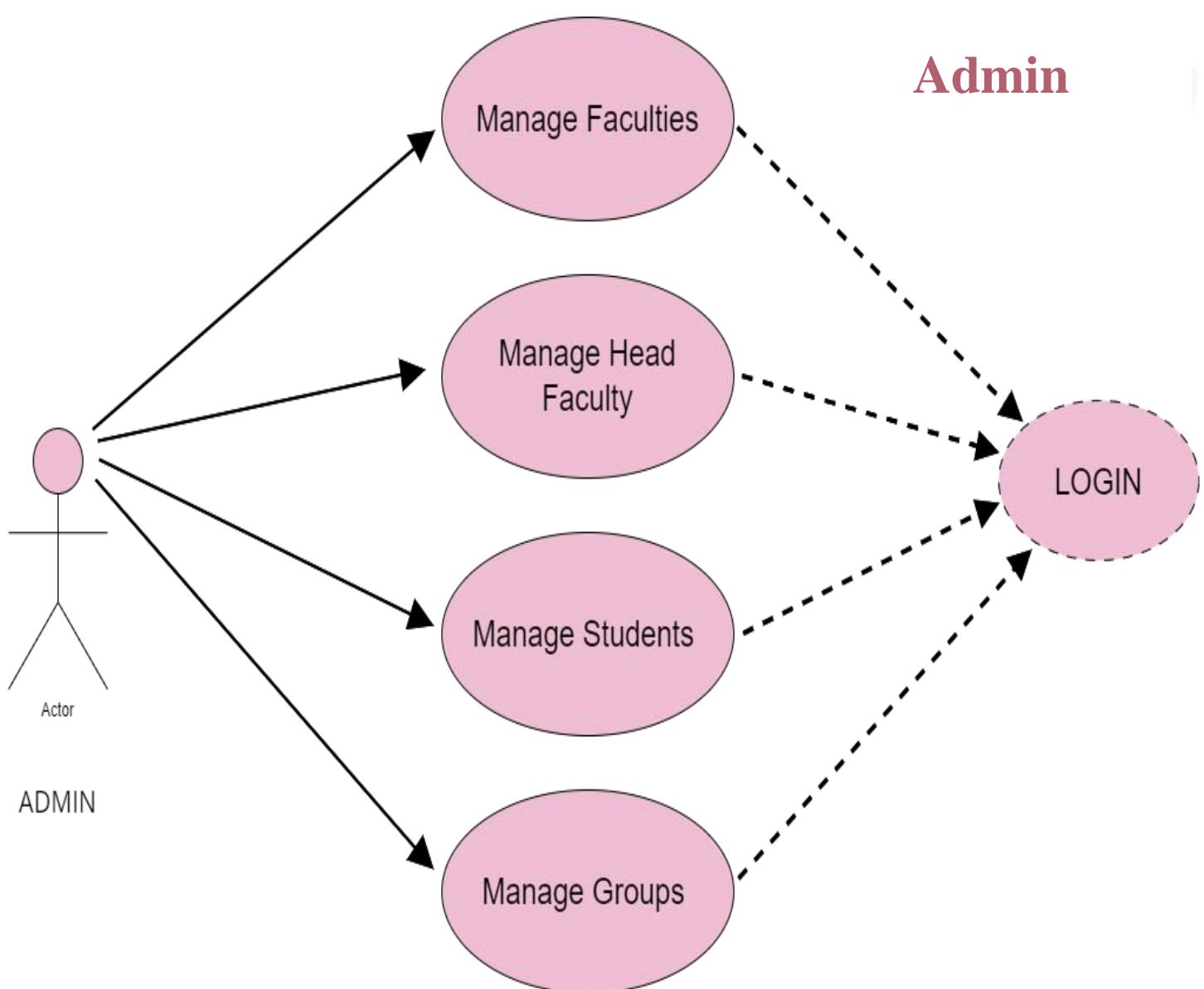
- View Schedules Given By Faculties
- Request To Change Schedules

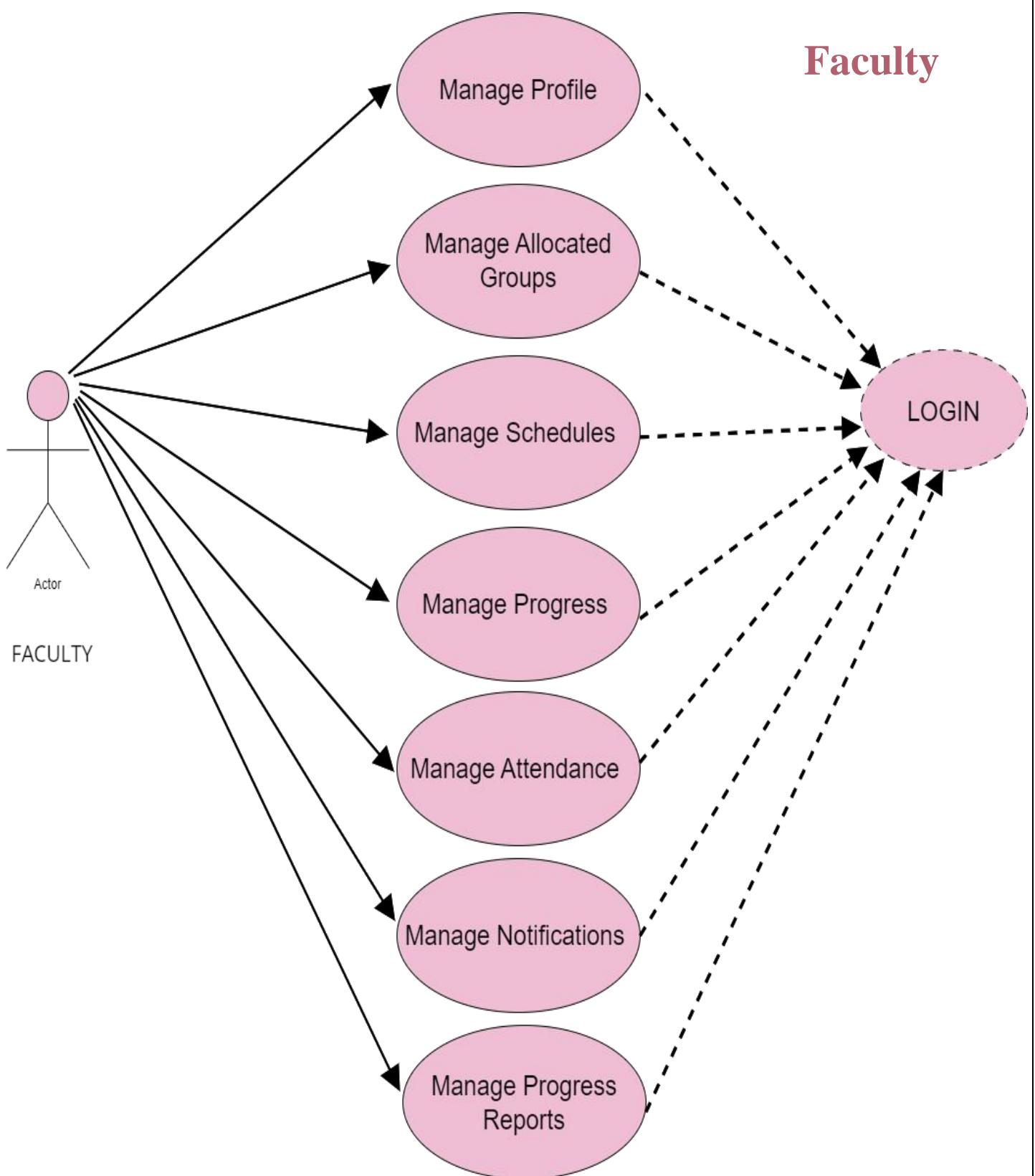
➤ Monitor Notifications

- View Notifications
- Reply Notifications

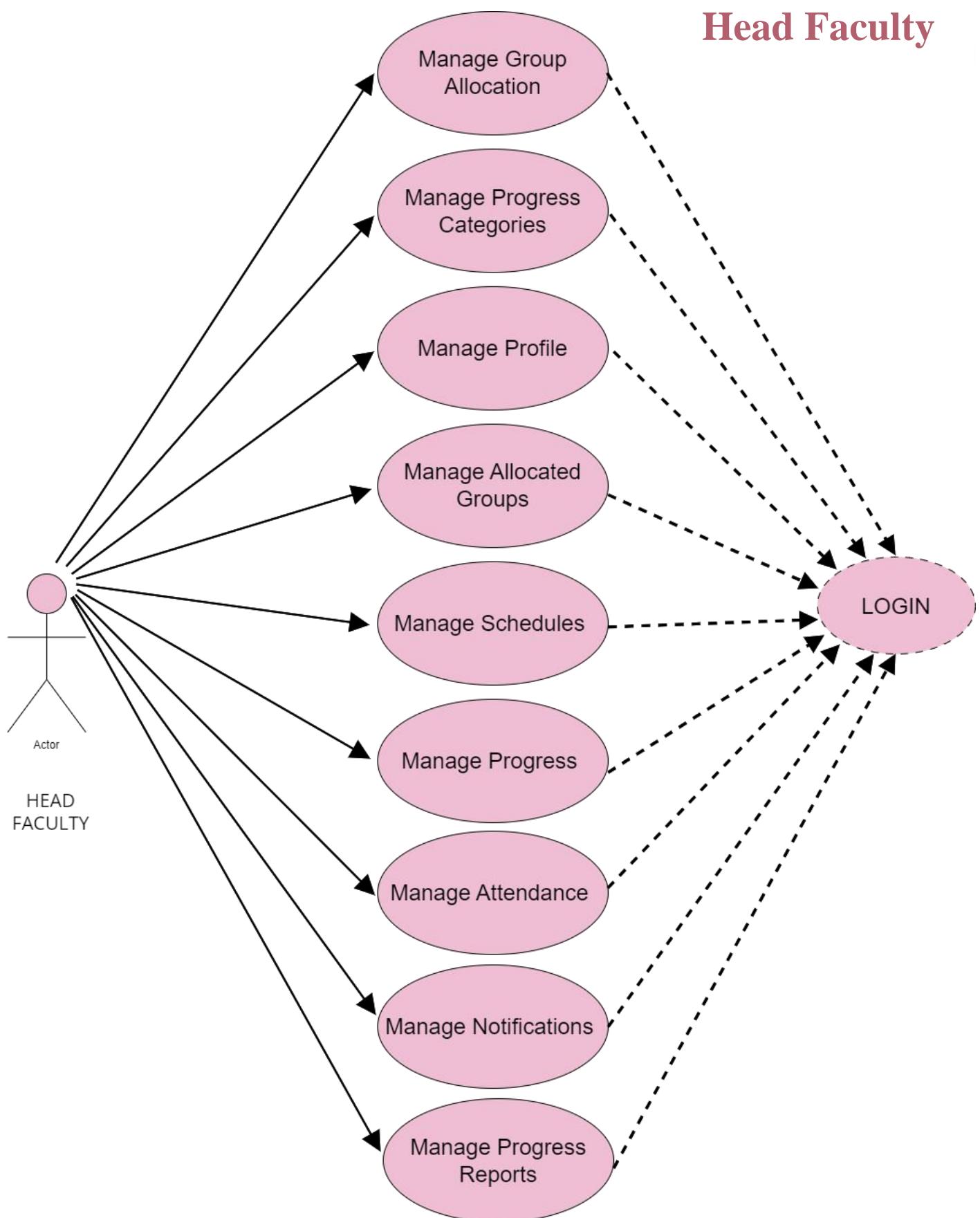
➤ Search for FAQ's

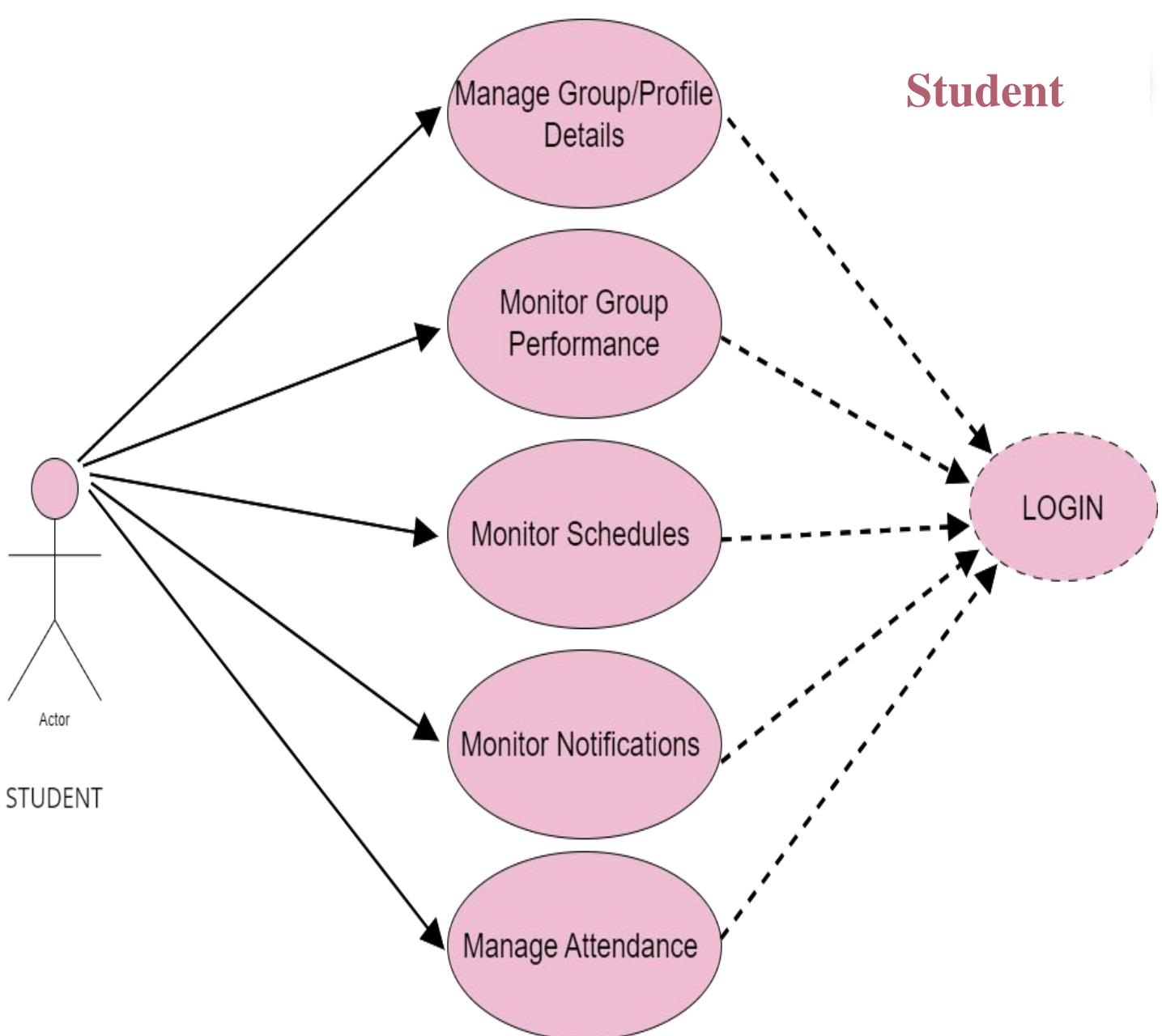
Use Case





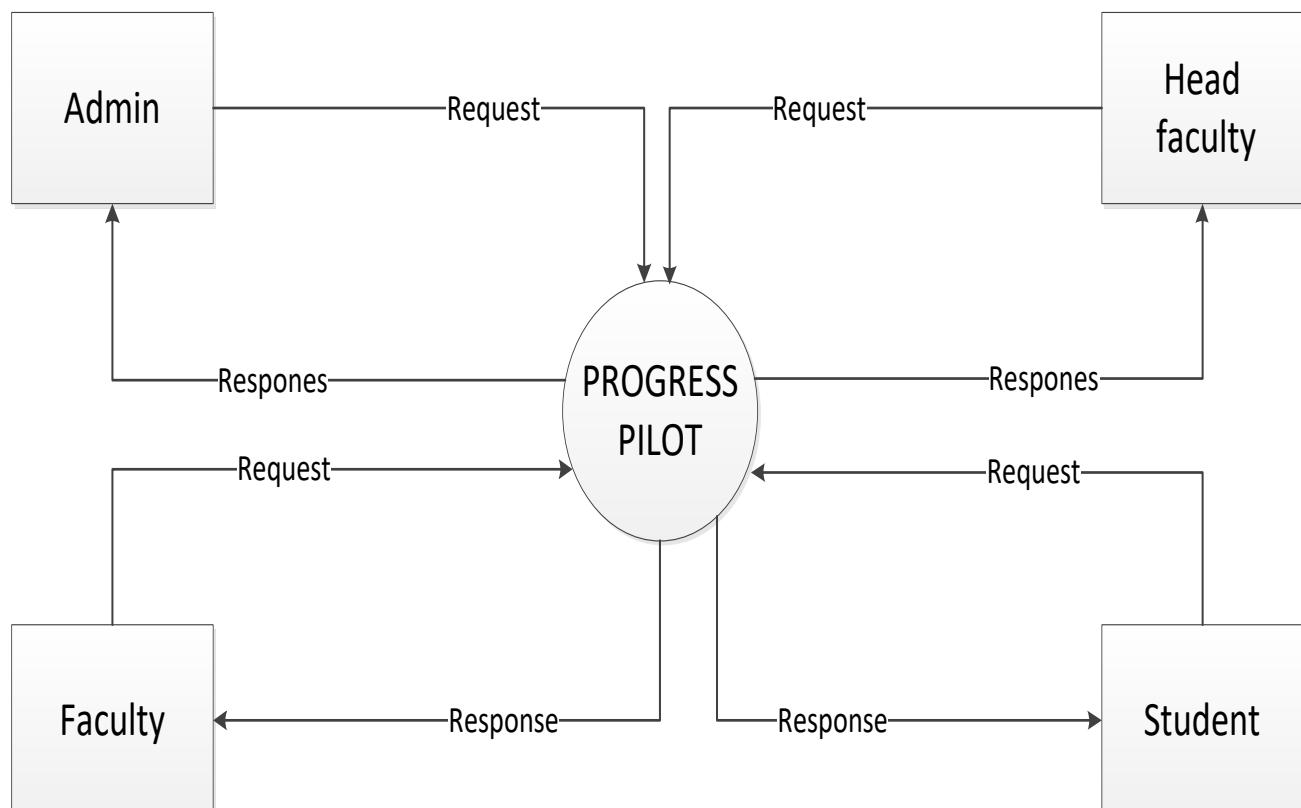
Head Faculty



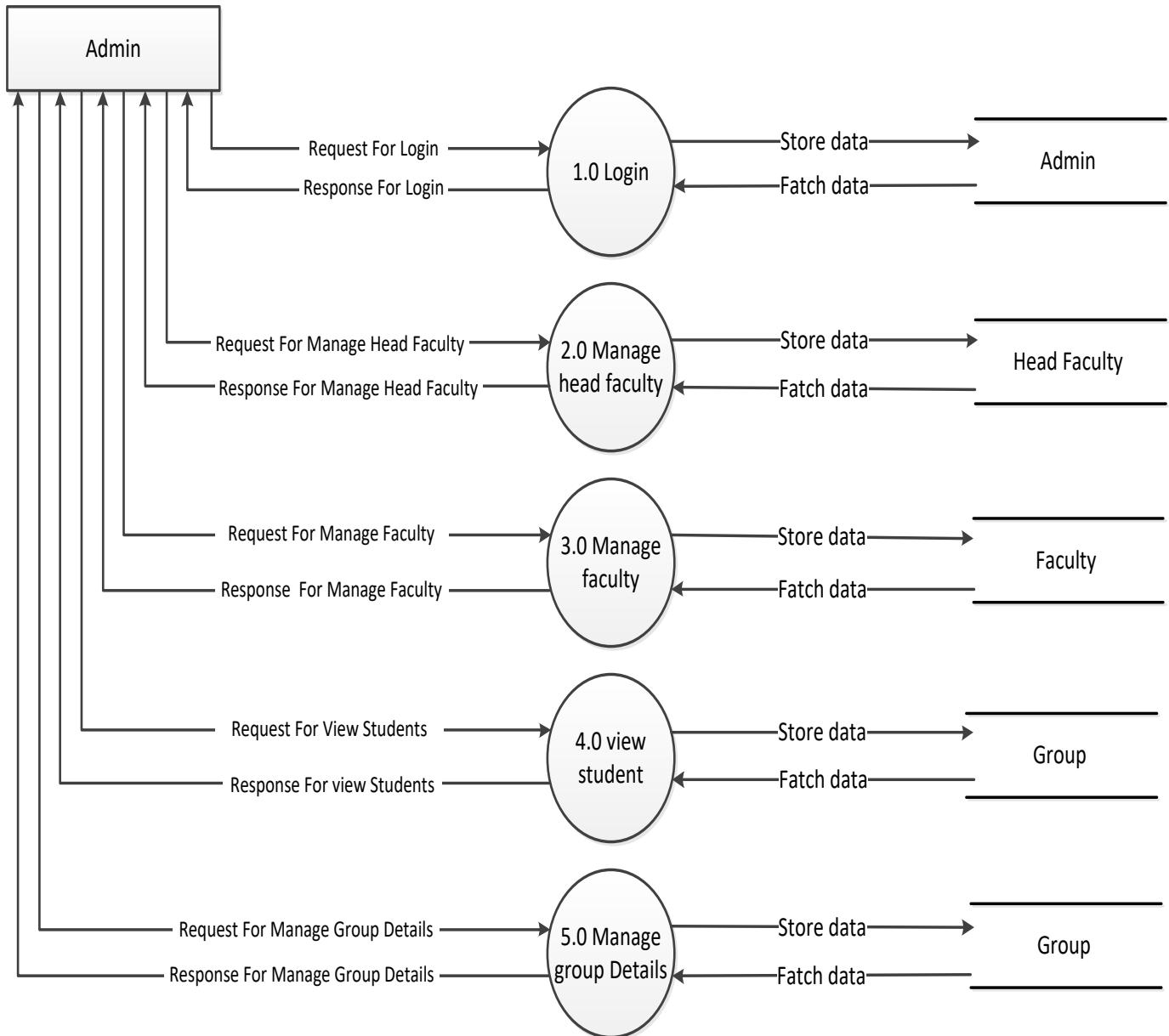


Data Flow Diagram

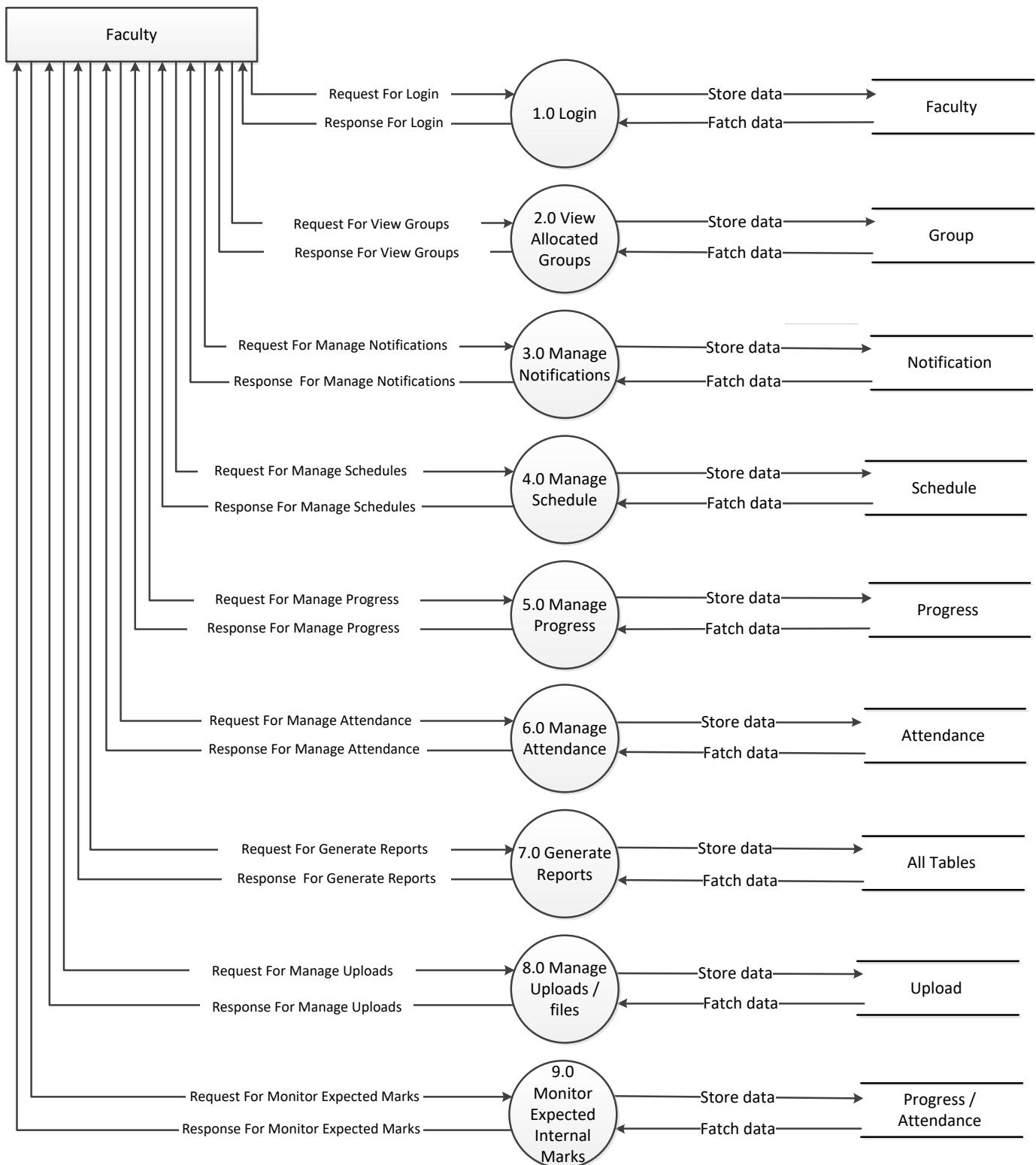
Context Level (Zero Level) DFD Of Progress Pilot



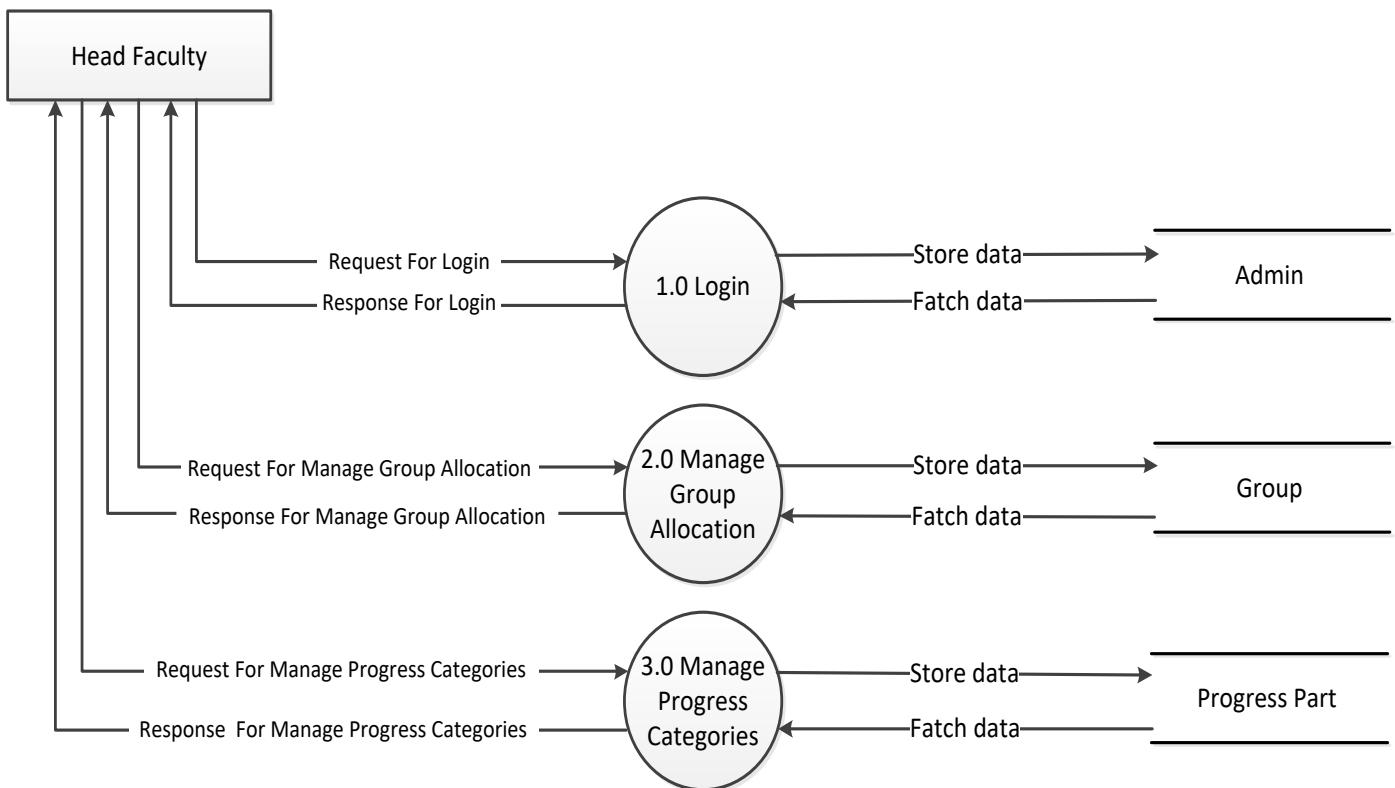
1st Level DFD Of Admin



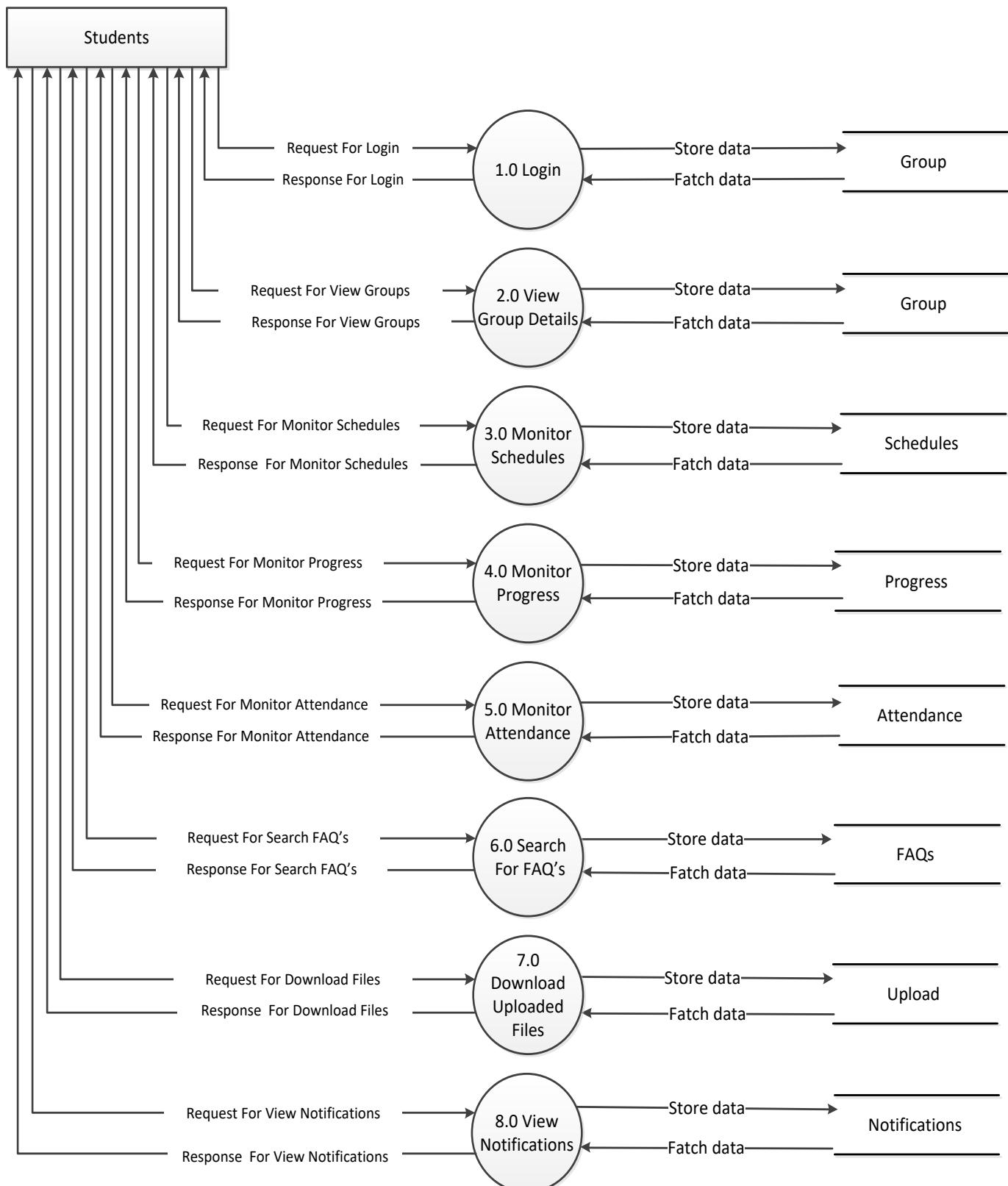
1st Level DFD Of Faculty



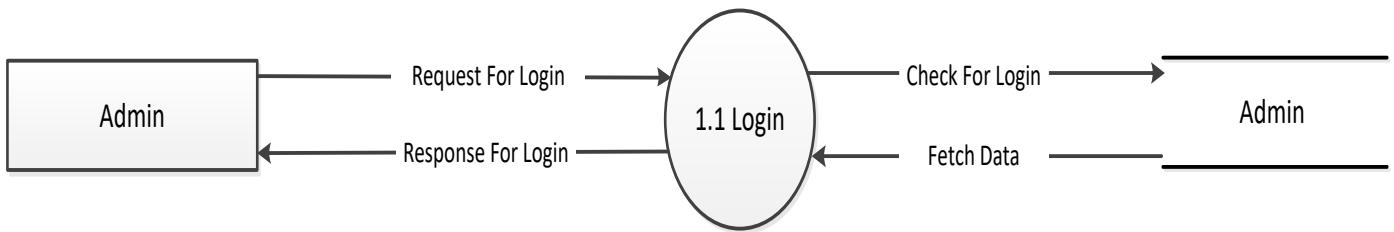
1st Level DFD Of Head Faculty



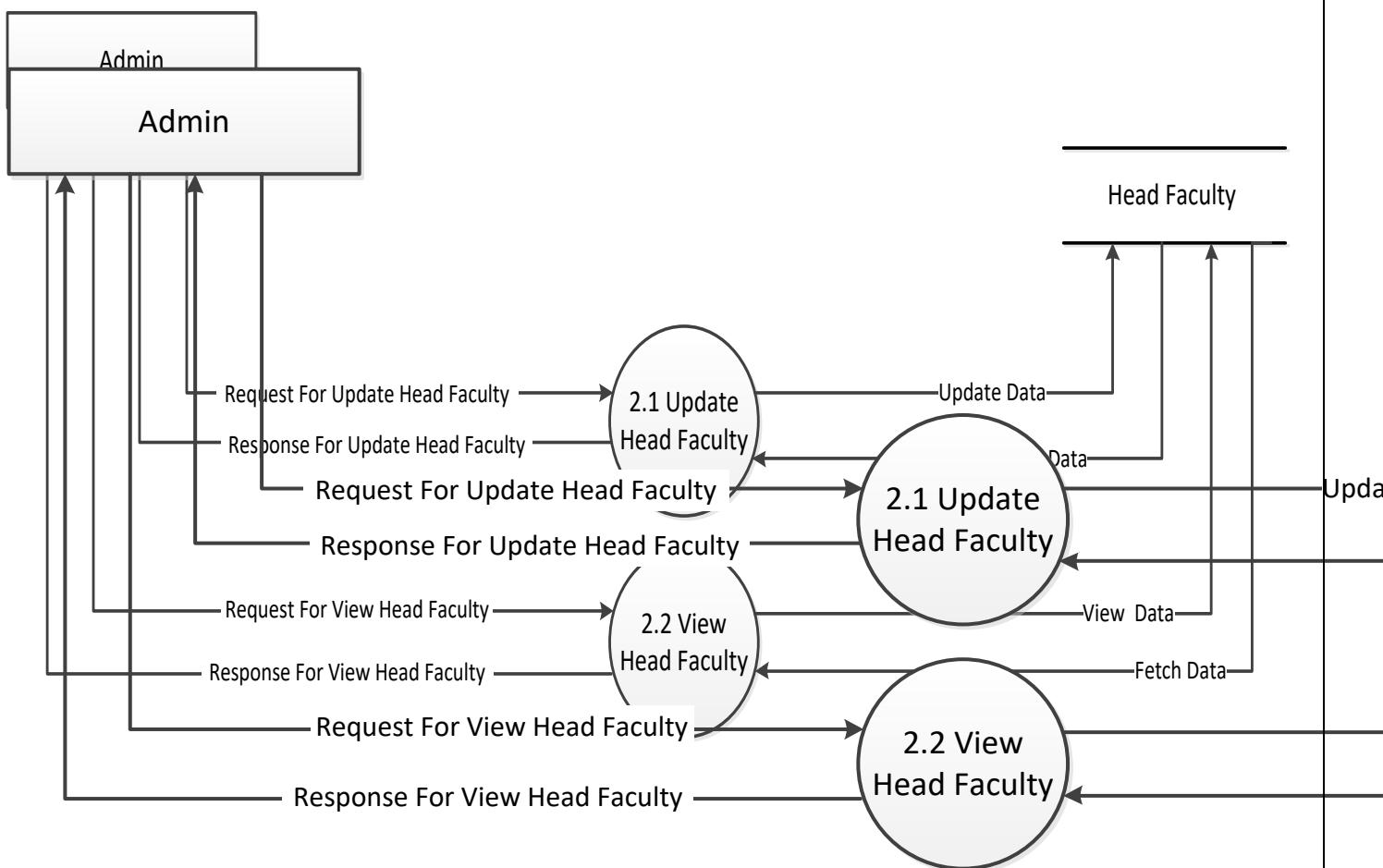
1st Level DFD Of Student



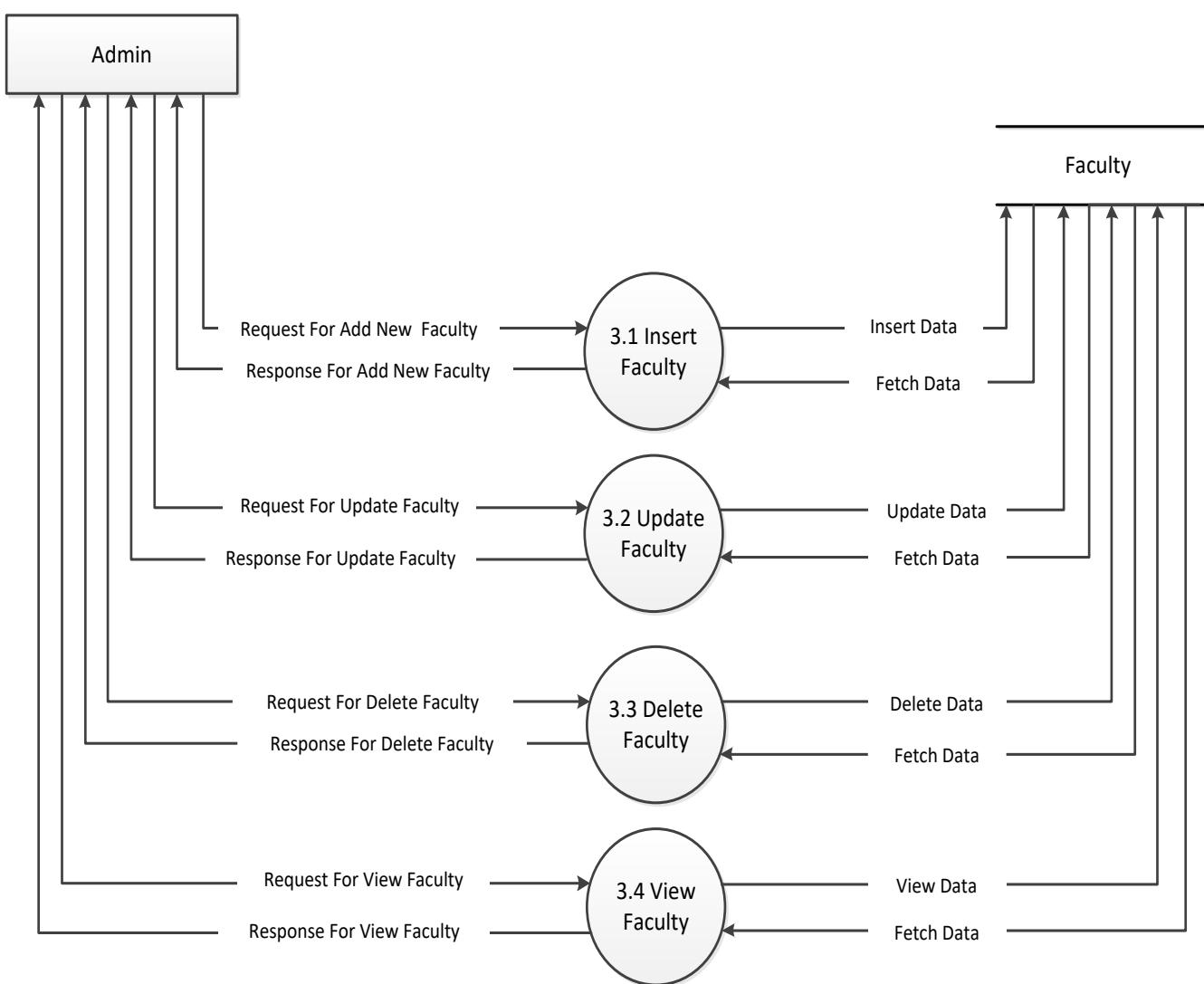
2nd Level DFD Of Admin (Login)



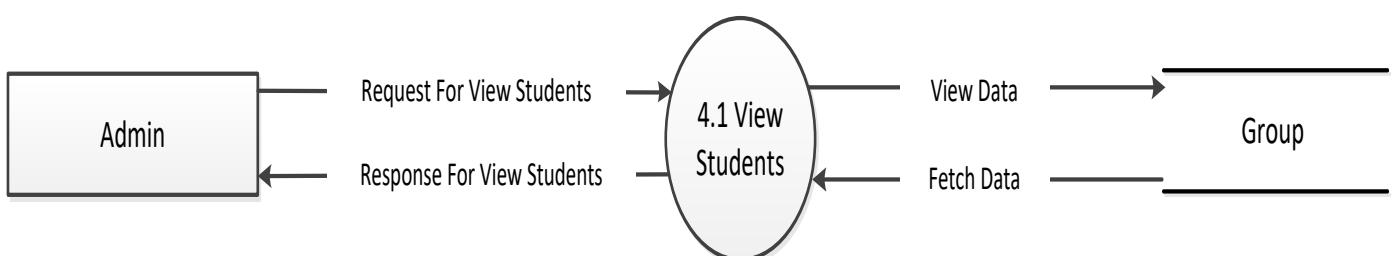
2nd Level DFD Of Admin (Head Faculty)



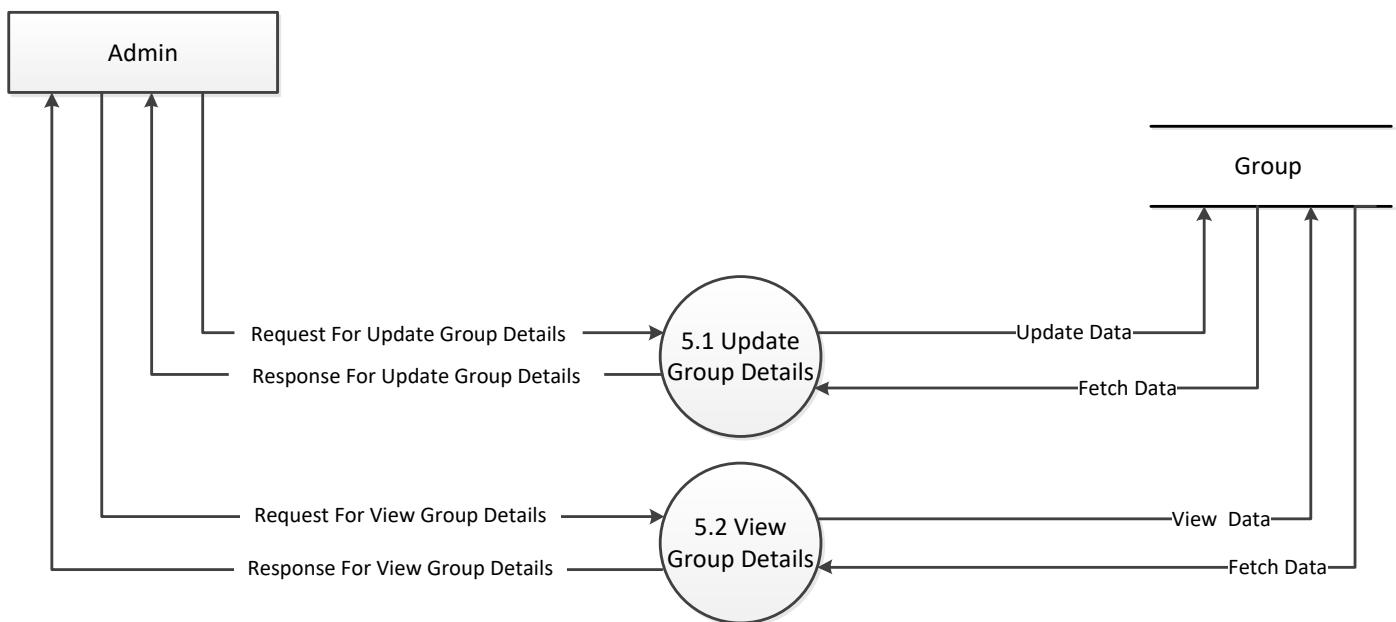
2nd Level DFD Of Admin (Faculty)



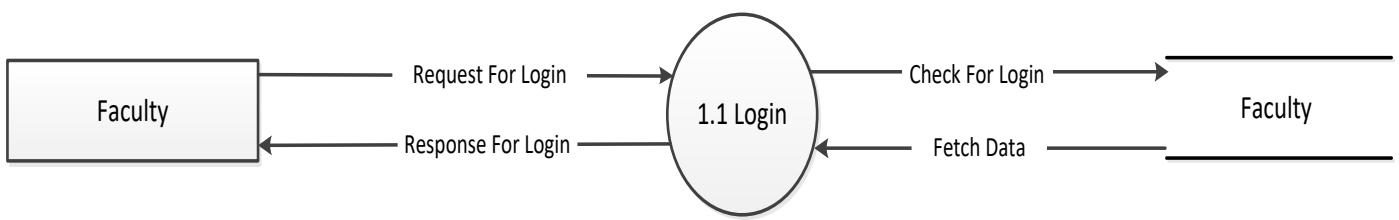
2nd Level DFD Of Admin (Students)



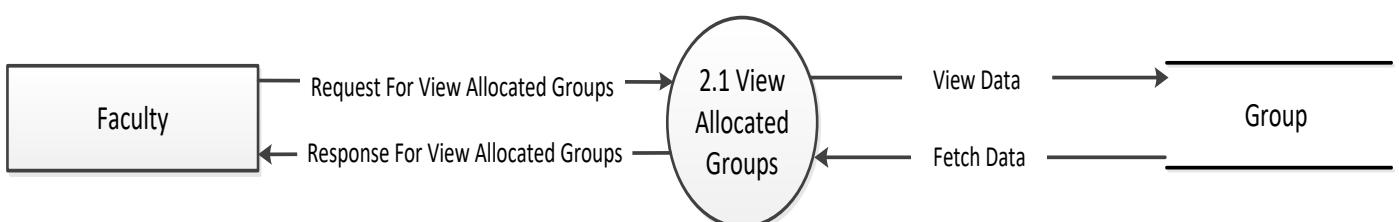
2nd Level DFD Of Admin (Groups)



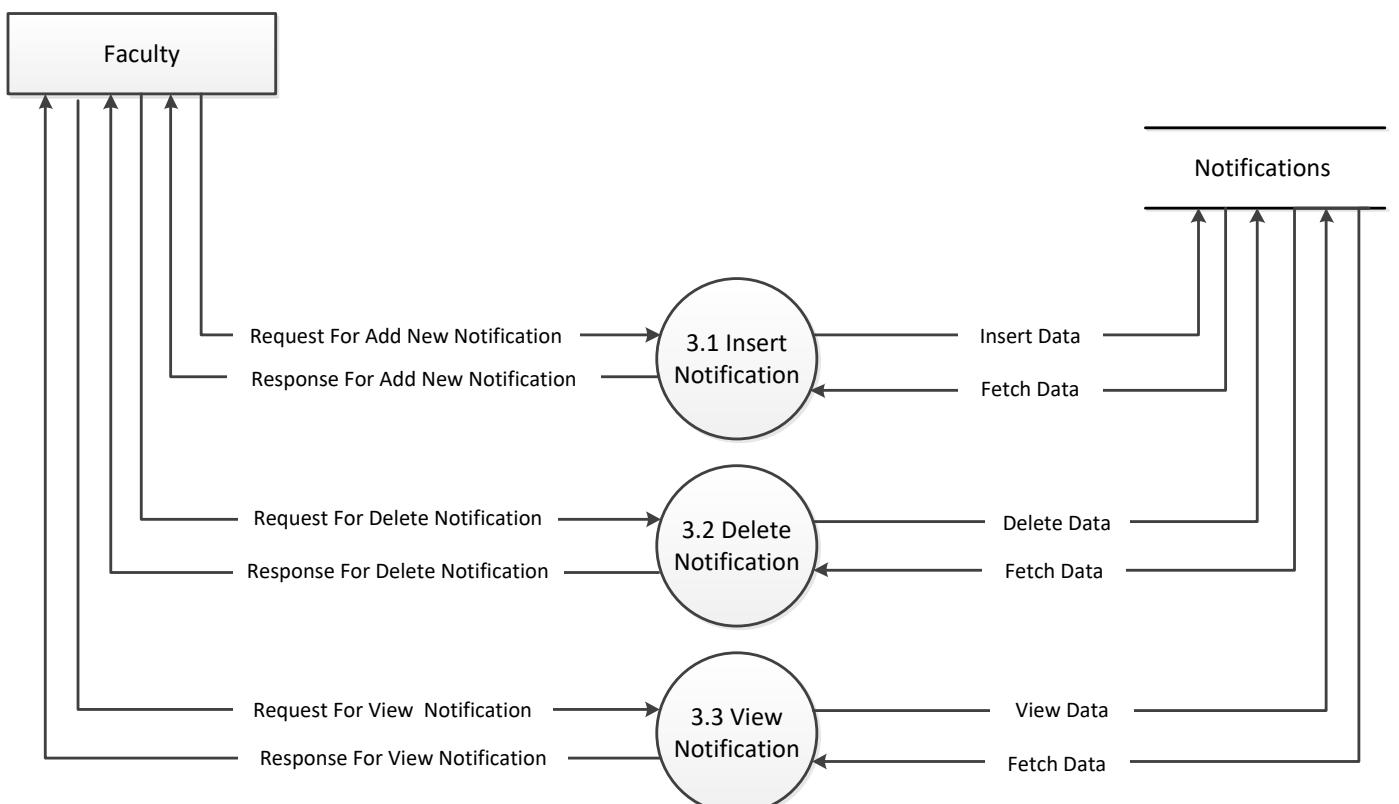
2nd Level DFD Of Faculty (Login)



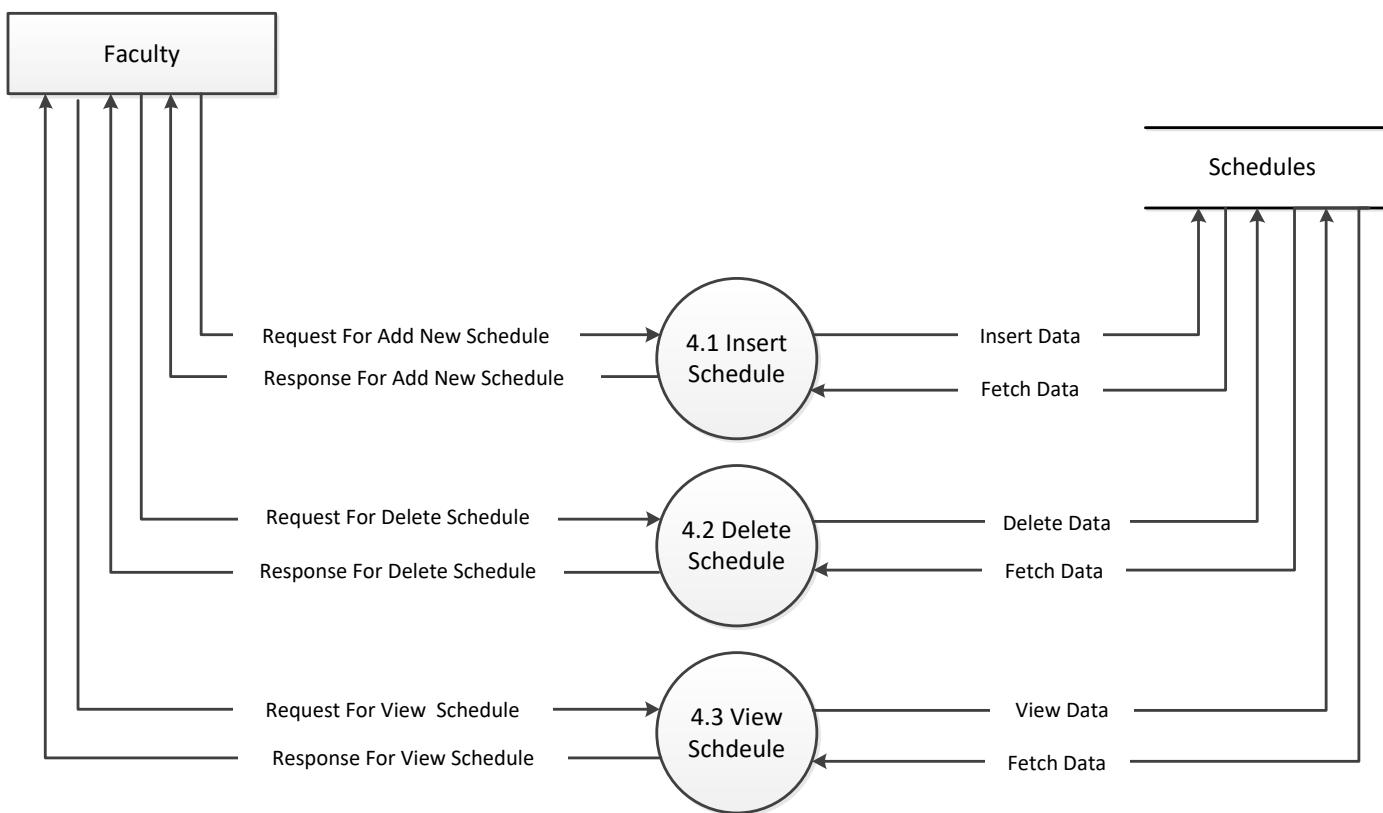
2nd Level DFD Of Faculty (View Allocated Groups)



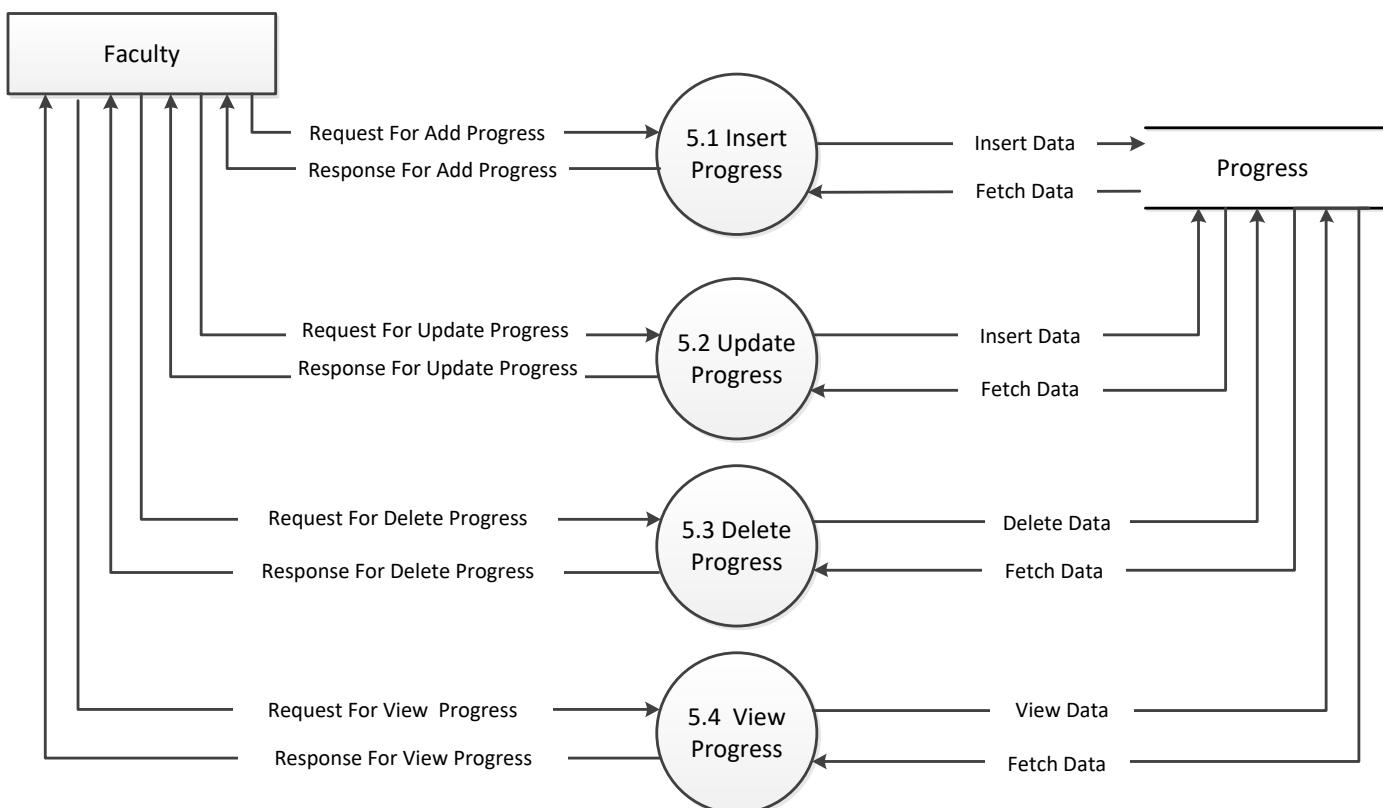
2nd Level DFD Of Faculty (Notifications)



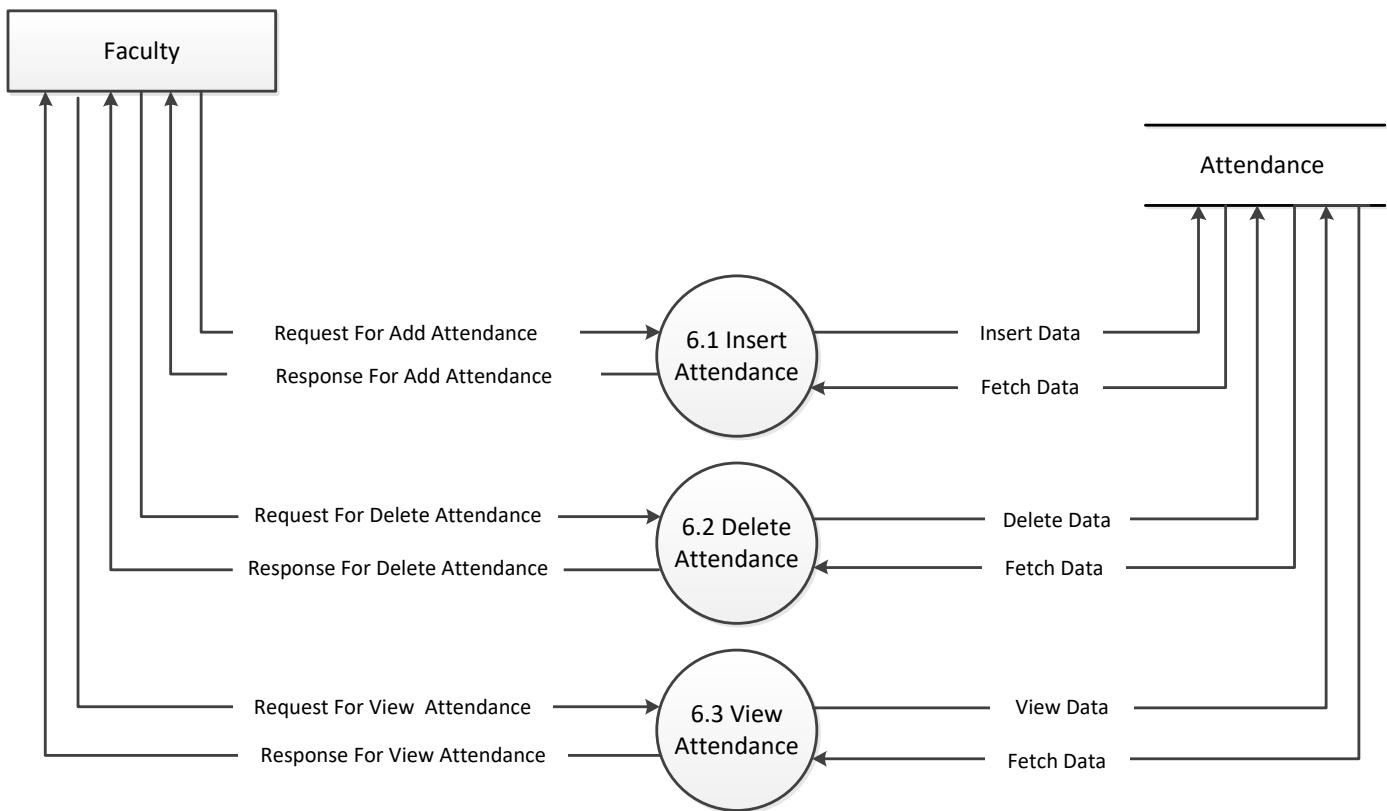
2nd Level DFD Of Faculty (Schedules)



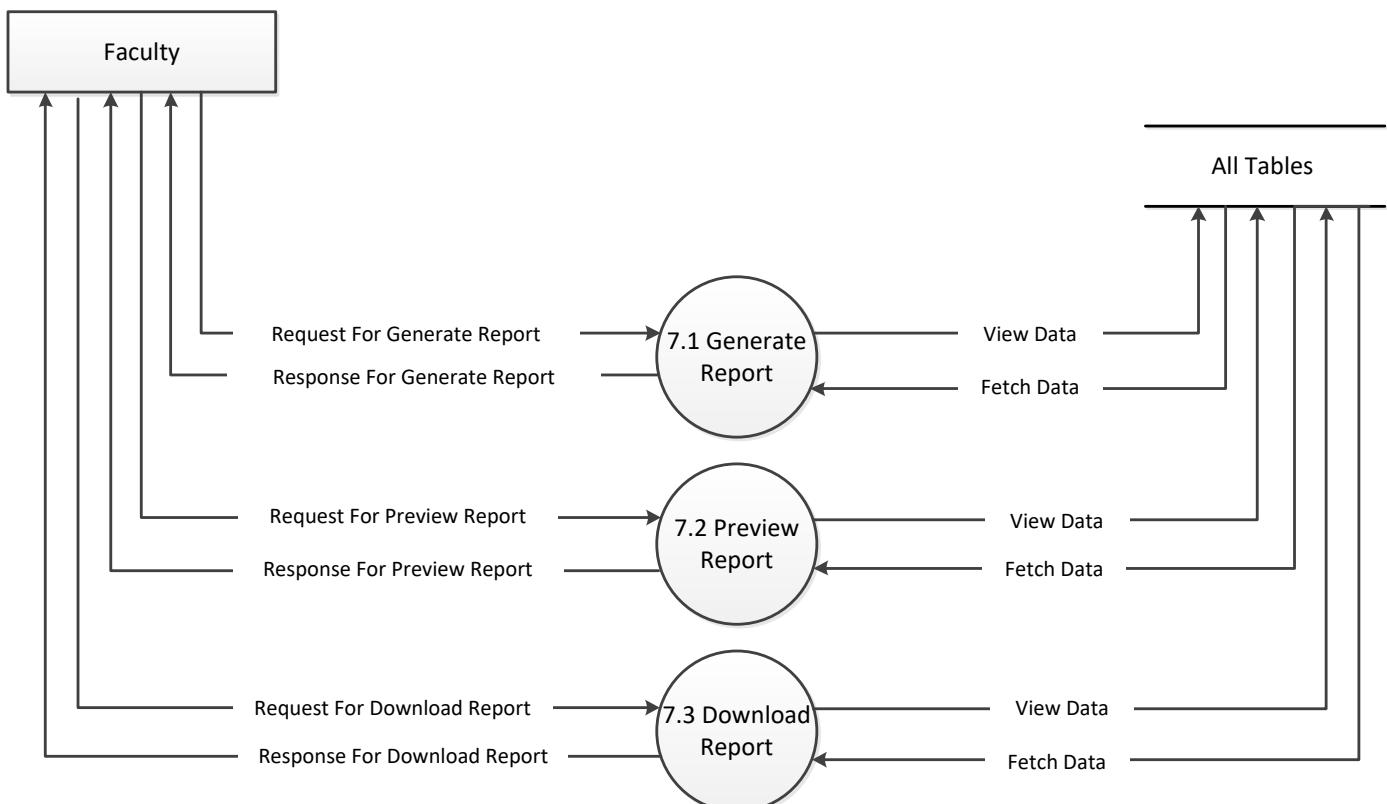
2nd Level DFD Of Faculty (Progress)



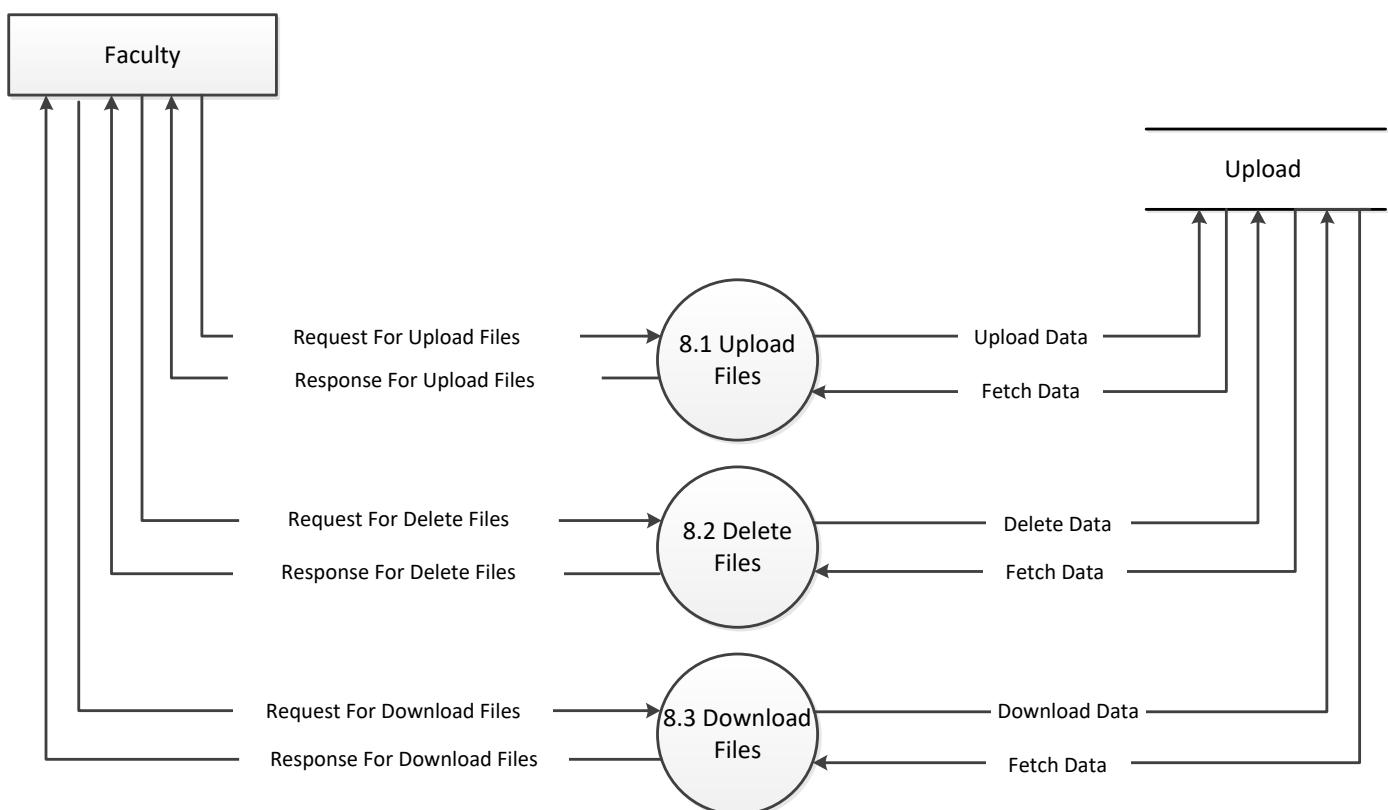
2nd Level DFD Of Faculty (Attendance)



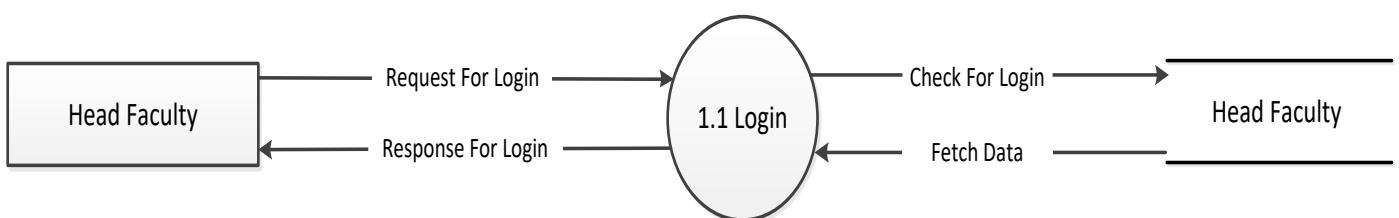
2nd Level DFD Of Faculty (Generate Report)



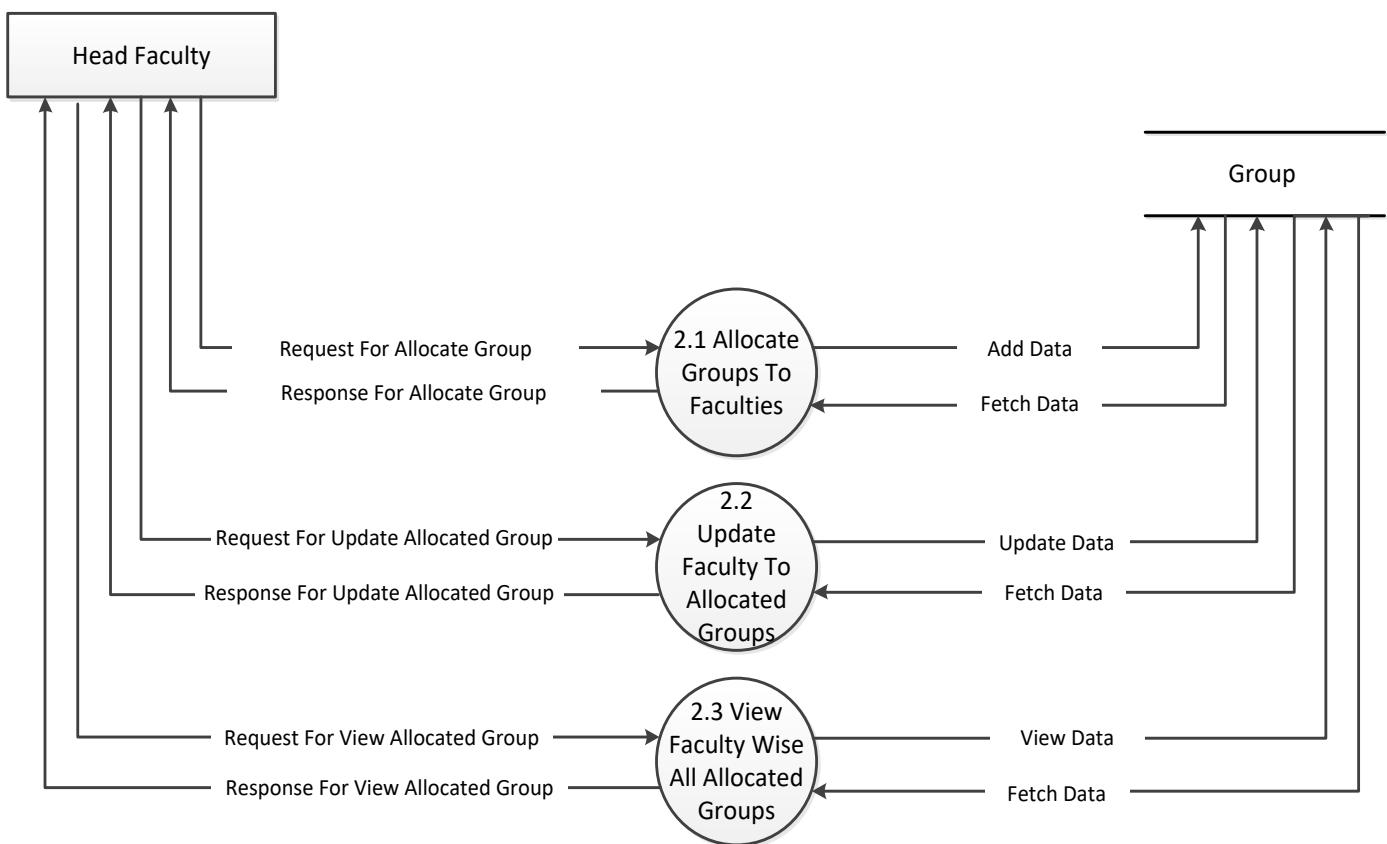
2nd Level DFD Of Faculty (Upload Files)



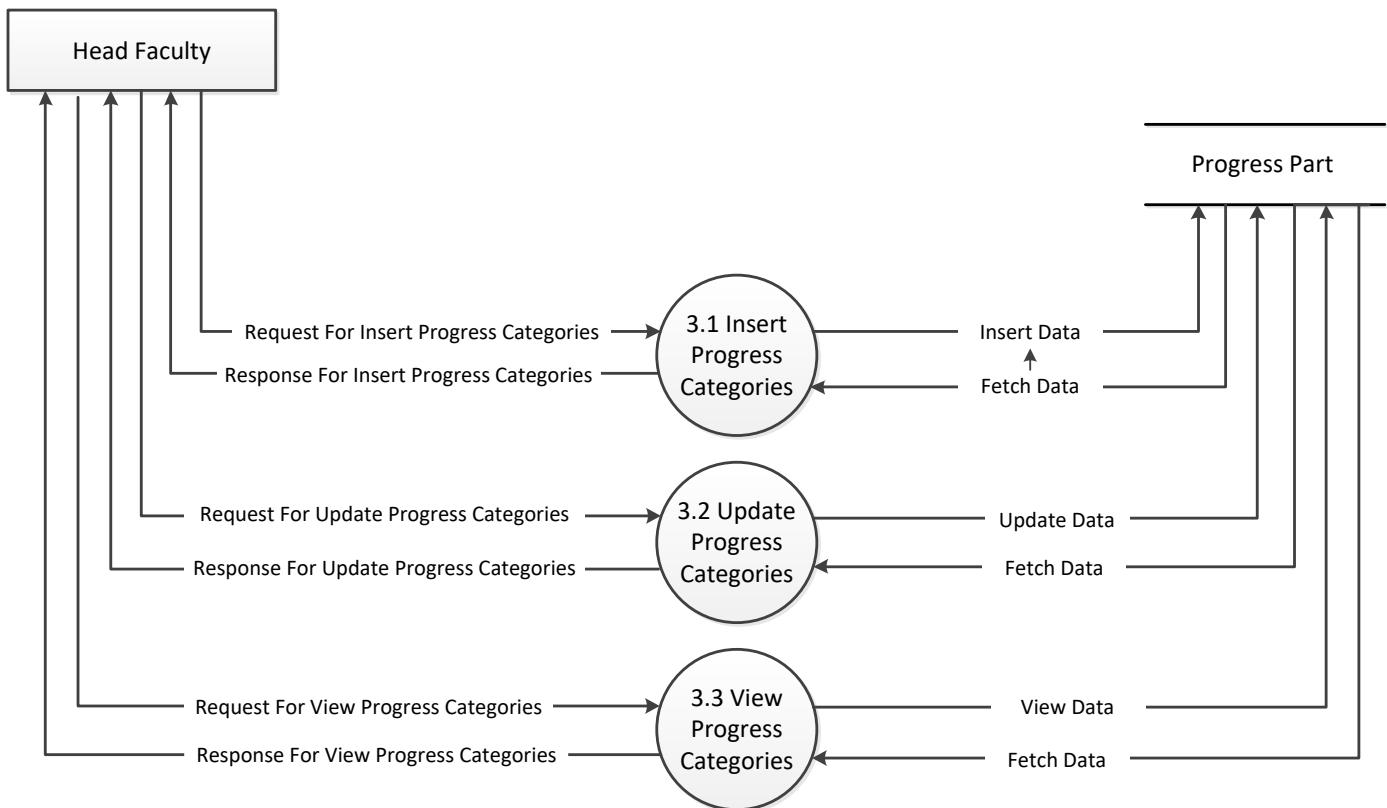
2nd Level DFD Of Head Faculty (Login)



2nd Level DFD Of Head Faculty (Manage Group Allocation)

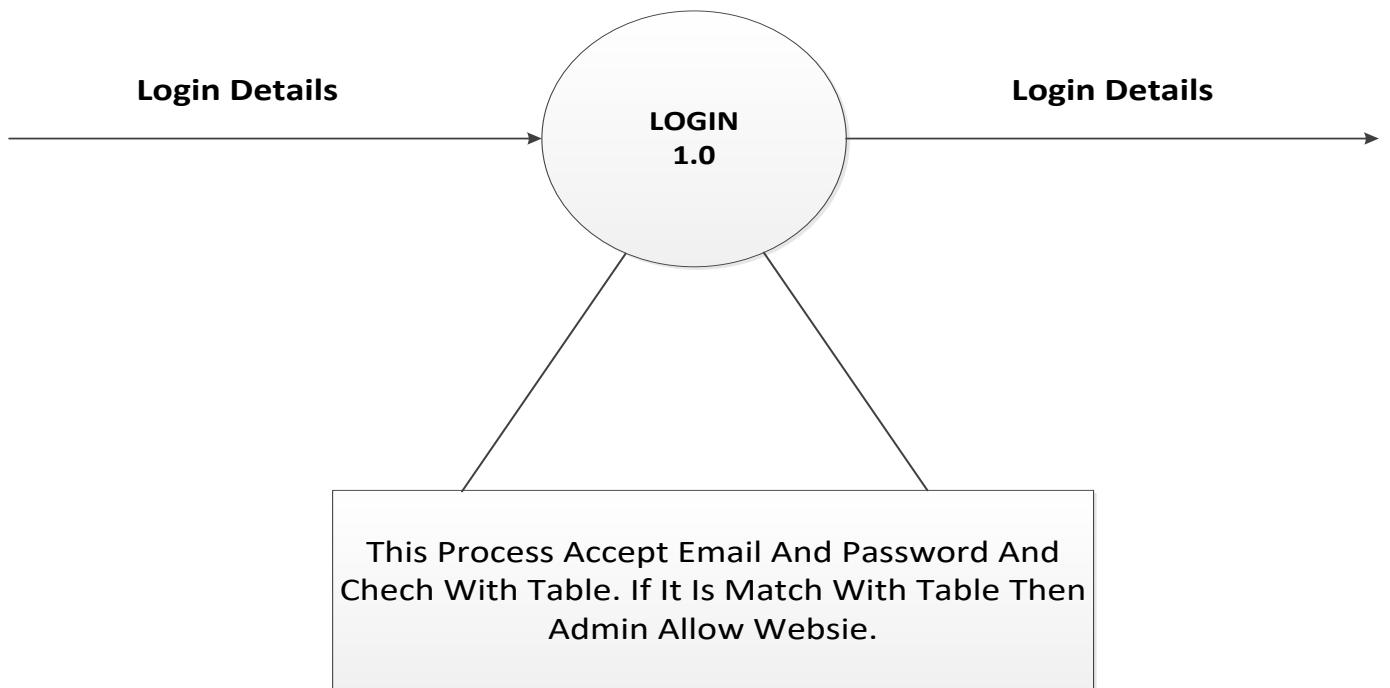


2nd Level DFD Of Head Faculty (Progress Categories)

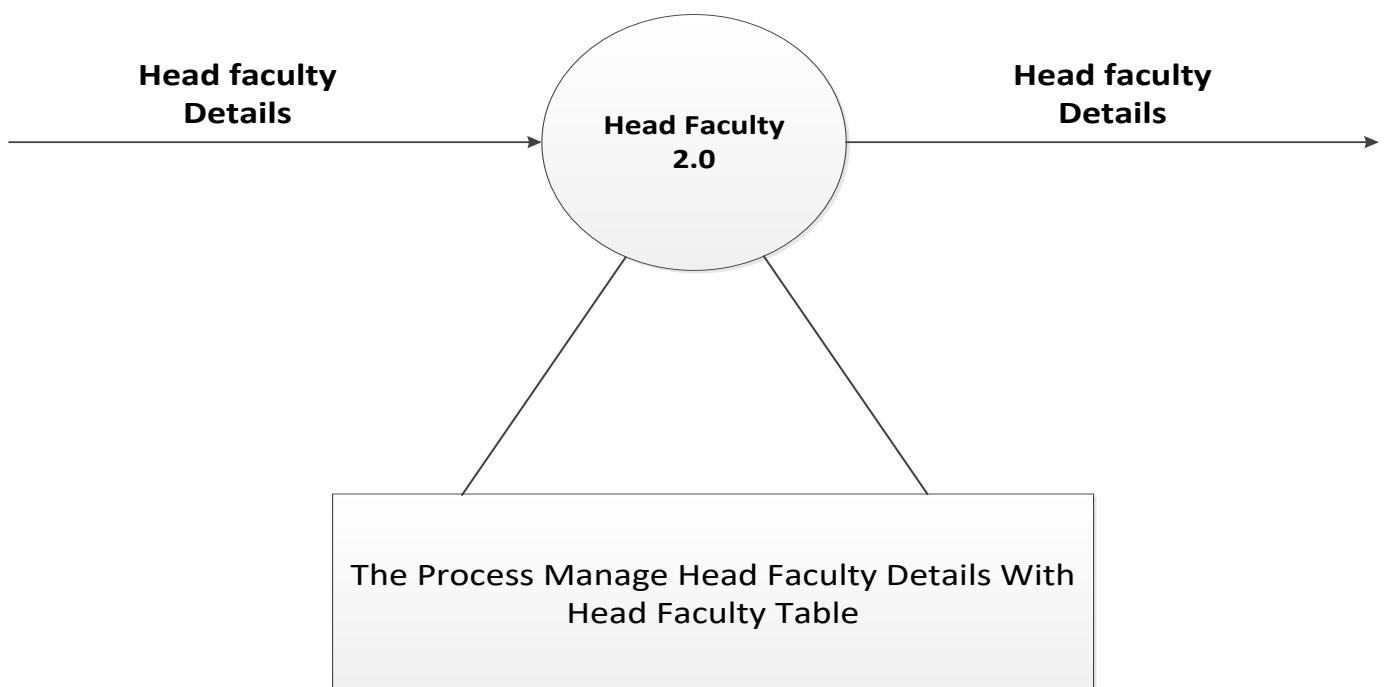


Process Specification

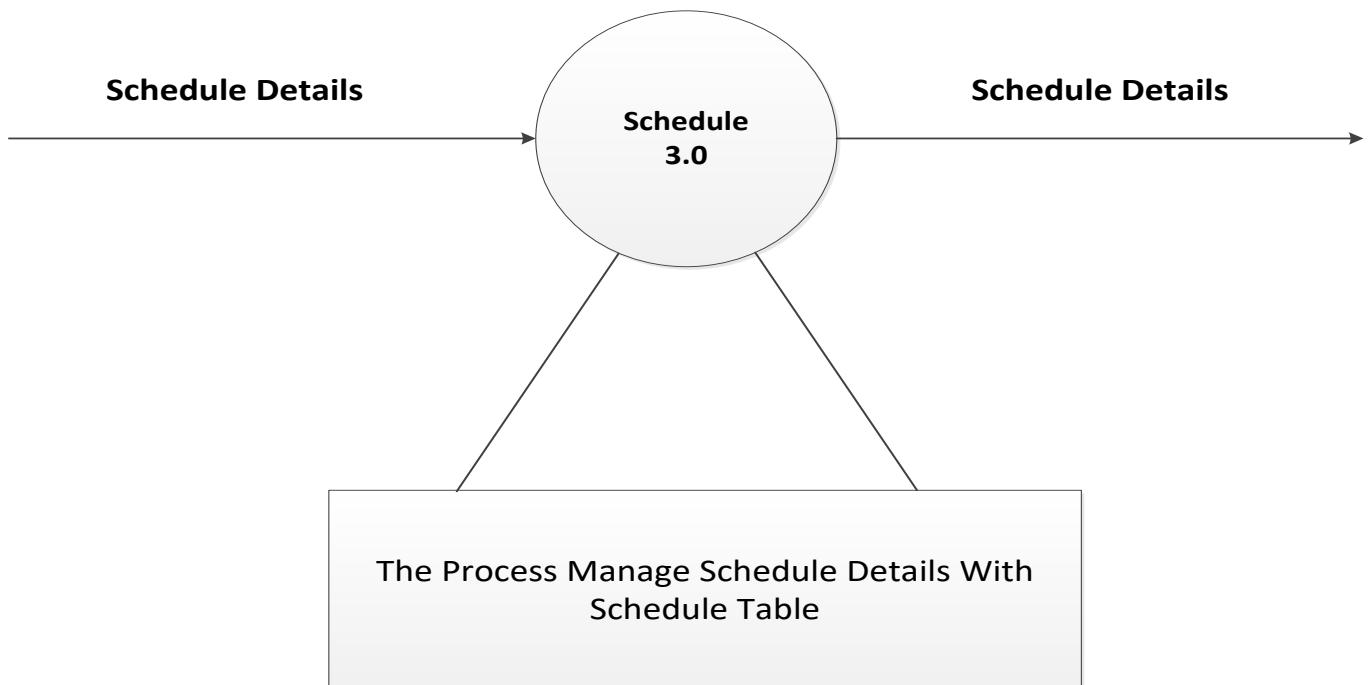
1. Login Details



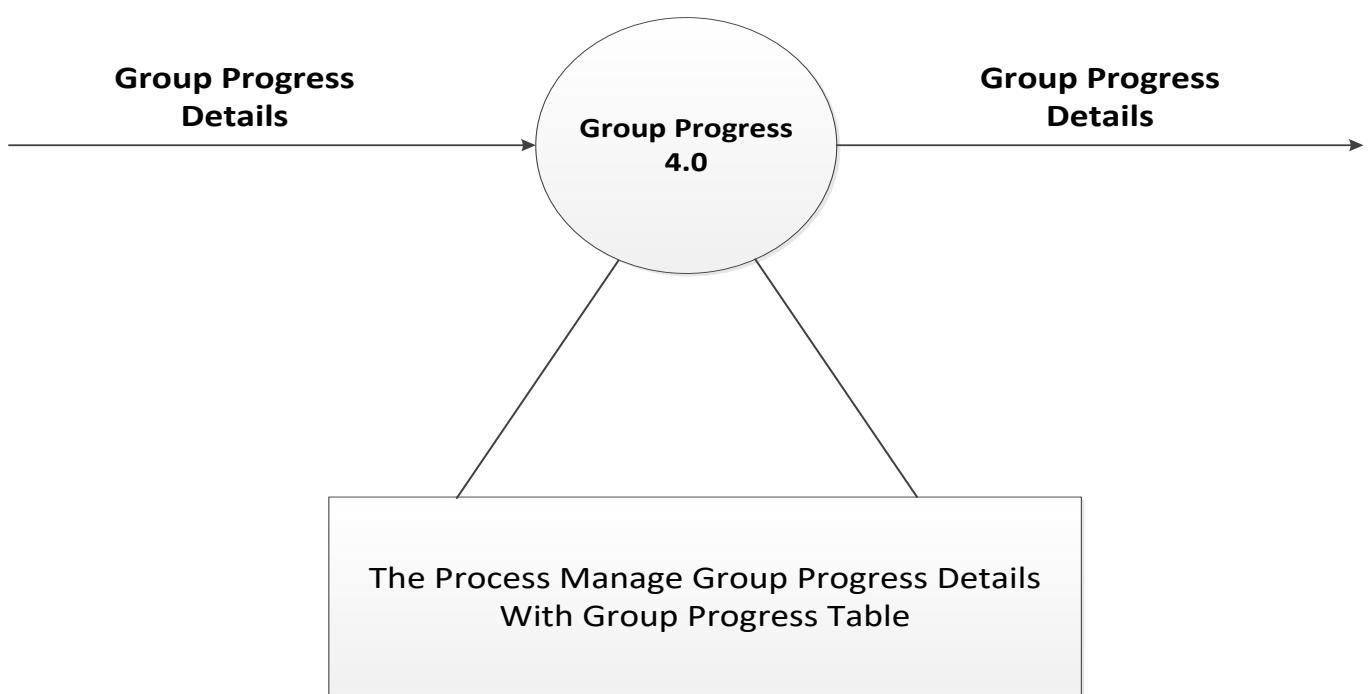
2. Head Faculty Details



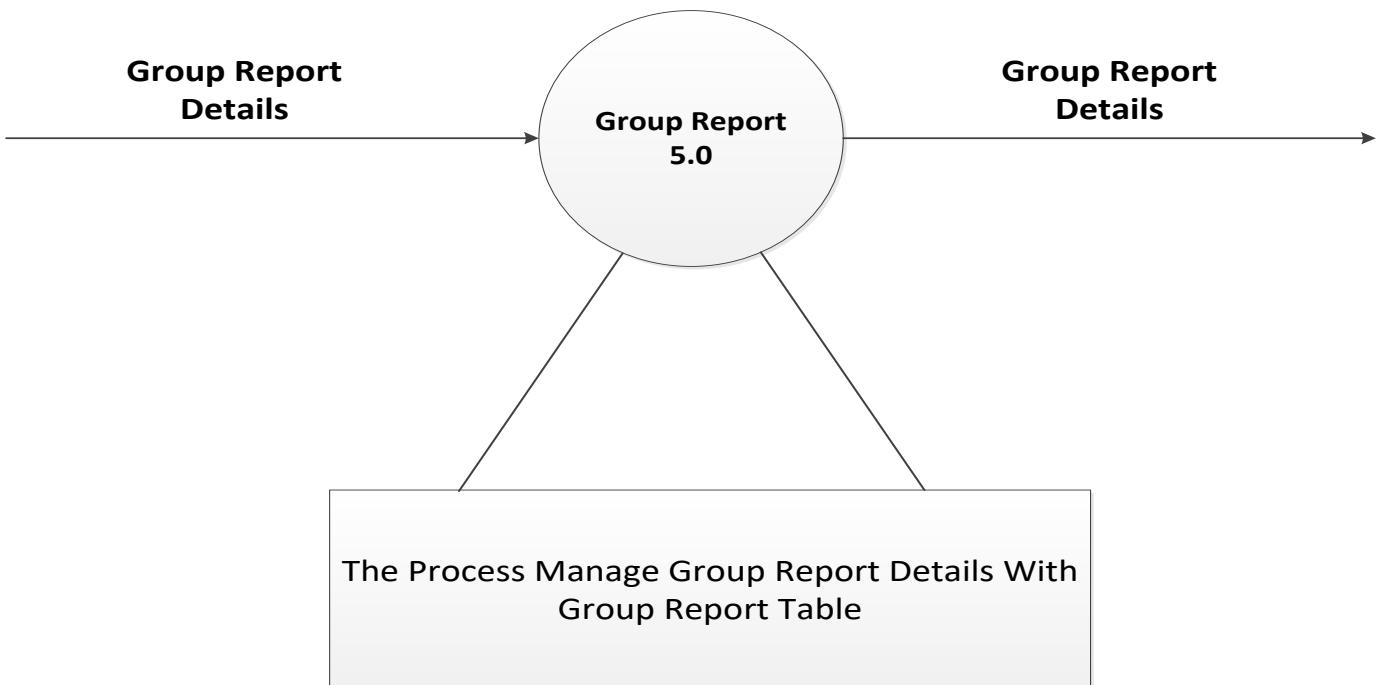
3. Schedule Details



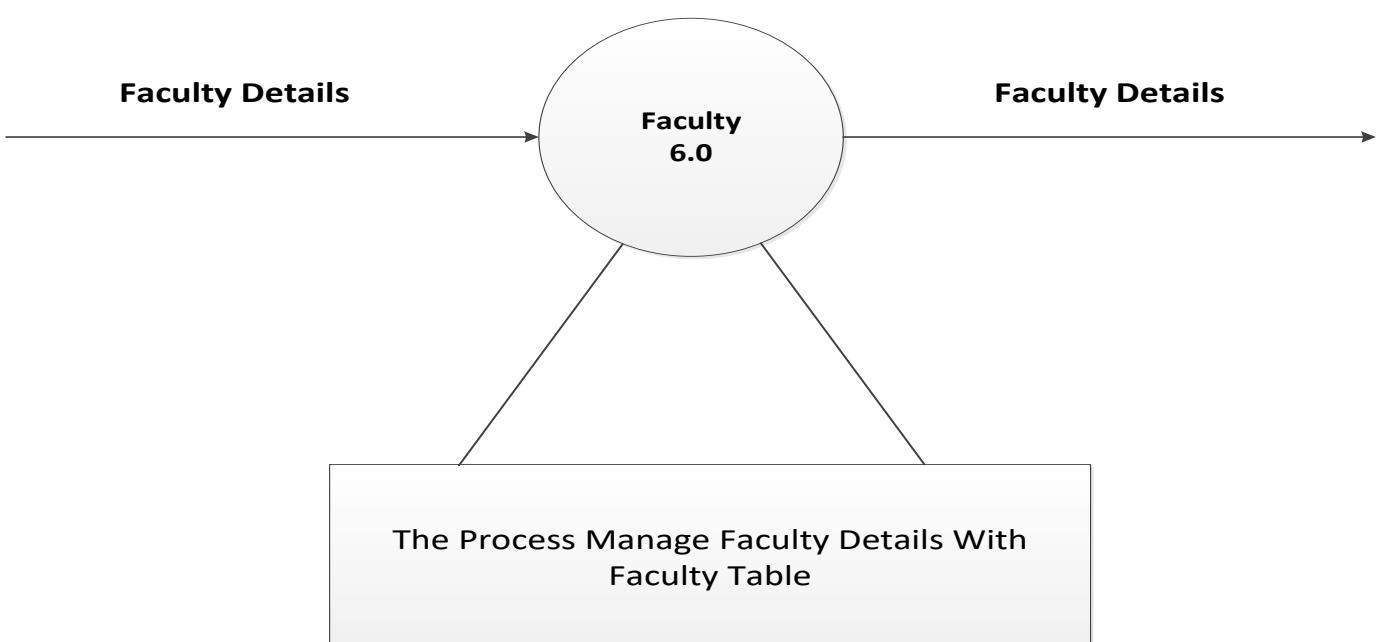
4. Group Progress Details



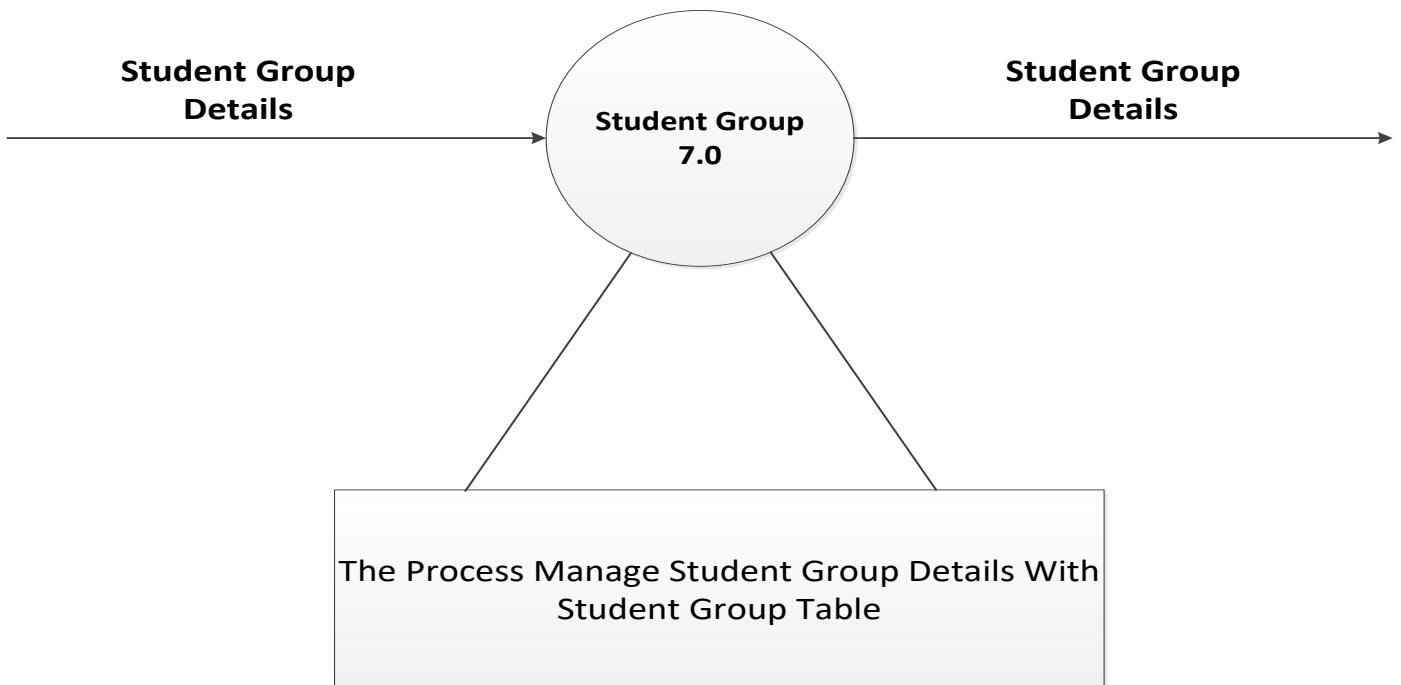
5. Group Report Details



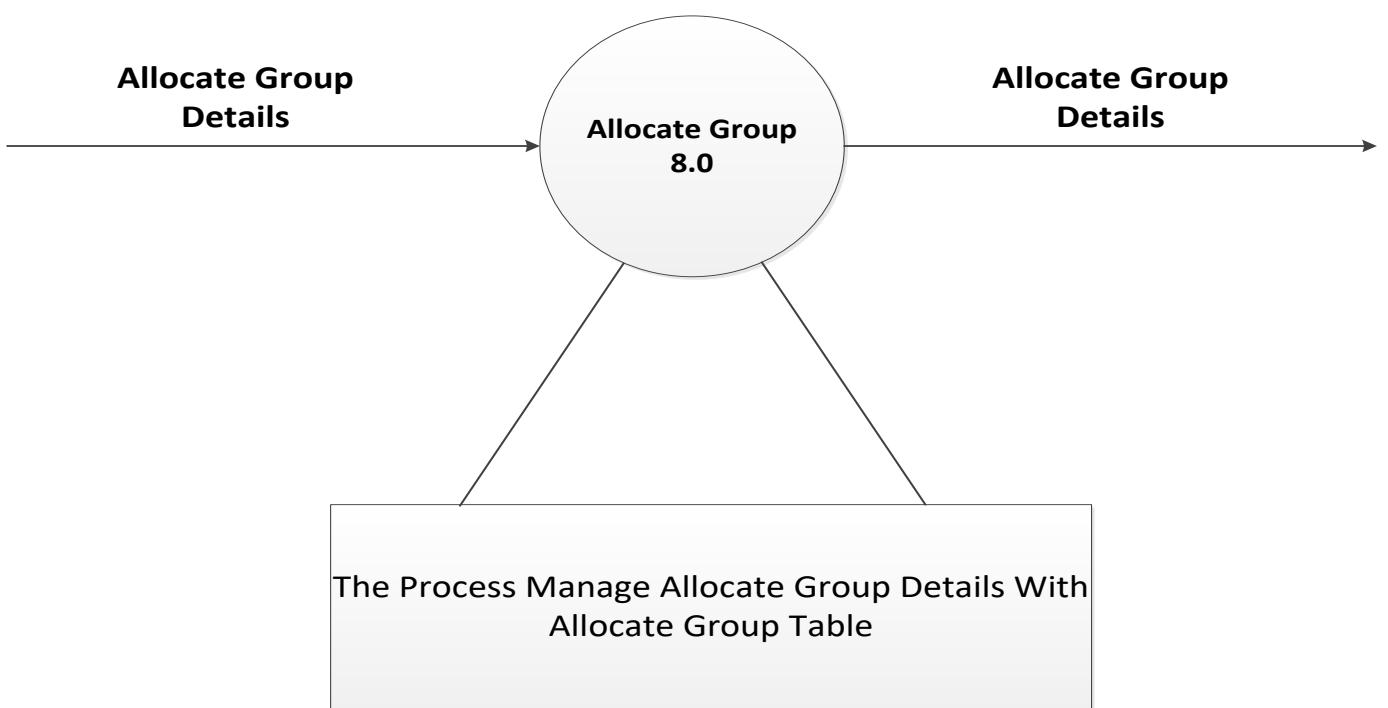
6. Faculty Details



7. Student Group Details



8. Allocate Group Details



Data Dictionary

1) Admin Login Details

Name	admin_tbl
Alias Name	None
Where and How Used?	Read Login Info (IN) Verify (OUT)
Description	Login With Following Fields aid(Primary Key) + a_name + a_pwd

2) Faculty Details

Name	faculty_tbl
Alias Name	None
Where and How Used?	Insert Faculty Details (IN) View Faculty Details (IN/OUT) Update Faculty Details (IN/OUT) Delete Faculty Details (IN/OUT)
Description	Faculty_id (Primary Key) + Faculty_name + Faculty_email + Faculty_phno + Faculty_image + Faculty_desc + Faculty_qualif + Faculty_exp + Faculty_address + Faculty_pwd

3) Groups Details

Name	group_stud_tbl
Alias Name	None
Where and How Used?	Insert Groups Details (IN) View Groups Details (IN/OUT) Update Groups Details (IN/OUT)
Description	Group_id (Primary Key) + 1st_stud_name + 1st_stud_rn + 1st_stud_div + 1st_stud_phno + 1st_stud_email + 2nd_stud_name + 2nd_stud_rn + 2nd_stud_div + 2nd_stud_phno + 2nd_stud_email + 3th_stud_name + 3th_stud_rn + 3th_stud_div + 3th_stud_phno + 3th_stud_email + 4th_stud_name + 4th_stud_rn + 4th_stud_div + 4th_stud_phno + 4th_stud_email + Image + Faculty_id (References Faculty_tbl) + group_name + pass + title + tech + token

4) Head faculty Details

Name	headfaculty_tbl
Alias Name	None
Where and How Used?	View Head Faculty Details (IN/OUT) Update Head Faculty Details (IN/OUT)
Description	Headfaculty_id (PrimaryKey) + Faculty_id (References Faculty_tbl) + Headfaculty_status + headfaculty_year

5) Progress Details

Name	progress_tbl
Alias Name	None
Where and How Used?	Insert Progress Details (IN) View Progress Details (IN/OUT) Update Progress Details (IN/OUT) Delete Progress Details (IN/OUT)
Description	Progress_id(Primary Key) + Group_id(References group_stud_tbl) + Progress_1 + Progress_2 + Progress_3 +Progress_4 + Progress_5 + Progress_6 + Progress_7 + Progress_8 + Progress_9 + date

6) Detail Status

Name	details_status
Alias Name	None
Where and How Used?	Read Status (OUT) Update Status (IN)
Description	Status Checks with following fields Status_id(PrimaryKey) + status

7) Progress Categories Details

Name	progress_part_tbl
Alias Name	None
Where and How Used?	Insert Progress Part Details (IN) View Progress Part Details (IN/OUT)
Description	Progress_part_id(Primary Key) + Progress_name

8) Schedule Details

Name	sub_schedule_tbl
Alias Name	None
Where and How Used?	Insert Sub Schedule Details (IN) View Sub Schedule Details (IN/OUT) Update Sub Schedule Details (IN/OUT) Delete Sub Schedule Details (IN/OUT)
Description	Sub_Schedule_id(Primary Key) + Faculty_id(References Faculty_tbl)+ Sub_weekly_date + Start Time + End Time + Sub_remark

9) Attendance Details

Name	Attandence_tbl
Alias Name	None
Where and How Used?	Insert ATTENDANCE DETAILS(In) View ATTENDANCE DETAILS (In/Out)
Description	Attendance _id(PrimaryKey)+Group_id (Referncesgroup_stud_tbl)

10) Upload Files

Name	Upload_data
Alias Name	None
Where and How Used?	Upload File Details (IN) Delete Uploaded Files (IN/OUT) View / Download Files (IN/OUT)
Description	u_id(Primary Key) + file_name + fid (References faculty_tbl) + status (Default 0)

Table Structures With Relationship

1) Admin

Column	Data Type	Size	Constraint
aid	Int	11	Primary key
a_name	Varchar	20	Not Null
a_pwd	Varchar	200	Not Null

2) Faculty

Column	Data Type	Size	Constraint
fid	Int	11	Primary key
f_name	Varchar	50	Not Null
f_email	Varchar	50	Not Null
f_phno	Big int	20	Null
f_img	Varchar	1000	Default man.jpg
f_desc	Varchar	50	Null
f_qualif	Varchar	20	Null
f_exp	Varchar	50	Null
f_address	Varchar	100	Null
f_pwd	Varchar	500	Not Null

3) Student Group

Column	Data Type	Size	Constraint
gsid	Int	11	Primary key
name1	Varchar	255	Not Null
rn1	Varchar	255	Not Null
div1	Varchar	255	Not Null
phno1	Varchar	255	Not Null
email1	Varchar	255	Not Null
name2	Varchar	255	Null
rn2	Varchar	255	Null
div2	Varchar	255	Null
phno2	Varchar	255	Null
email2	Varchar	255	Null
name3	xVarchar	255	Null
rn3	Varchar	255	Null
div3	Varchar	255	Null
phno3	Varchar	255	Null
email3	Varchar	255	Null
name4	Varchar	255	Null
rn4	Varchar	255	Null
div4	Varchar	255	Null
phno4	Varchar	255	Null
email4	Varchar	255	Null
image	Varchar	255	Default image1.jpg

PROGRESS PILOT

faculty_id	Int	11	References (faculty_tbl)
Group_name	Varchar	255	Unique
pass	Varchar	255	NotNull
title	Varchar	255	Default Project Title
tech	Varchar	255	Default Project type
token	Varchar	255	Null

4) Head Faculty

Column	Data Type	Size	Constraint
hid	Int	11	Primary key
fid	Int	11	Foreign key (faculty_tbl)
h_status	Int	2	Default 0
h_year	Int	4	Year()

5) Progress part

Column	Data Type	Size	Constraint
id	Int	11	Primary key
pro_name	Varchar	100	Not Null

6) Student Details Status

Column	Data Type	Size	Constraint
Status_id	Int	11	Primary key
status	Int	11	Default 0

7) Progress

Column	Data Type	Size	Constraint
proid	Int	11	Primary key
grpid	Int	11	References (Group_stud_tbl)
P1	Int	11	Not Null
P2	Int	11	Not Null
P3	Int	11	Not Null
P4	Int	11	Not Null
P5	Int	11	Not Null
P6	Int	11	Not Null
P7	Int	11	Not Null
P8	Int	11	Not Null
P9	Int	11	Not Null
date	Int	11	Today('Y-m-d')

8) Schedule

Column	Data Type	Size	Constraint
subid	Int	11	Primary key
fid	Int	11	Null
sub_weekly_date	Date	-	Null
sub_remark	Varchar	300	Null
sub_start_date	Time	-	Null
sub_end_date	Time	-	Null

9) Attendance

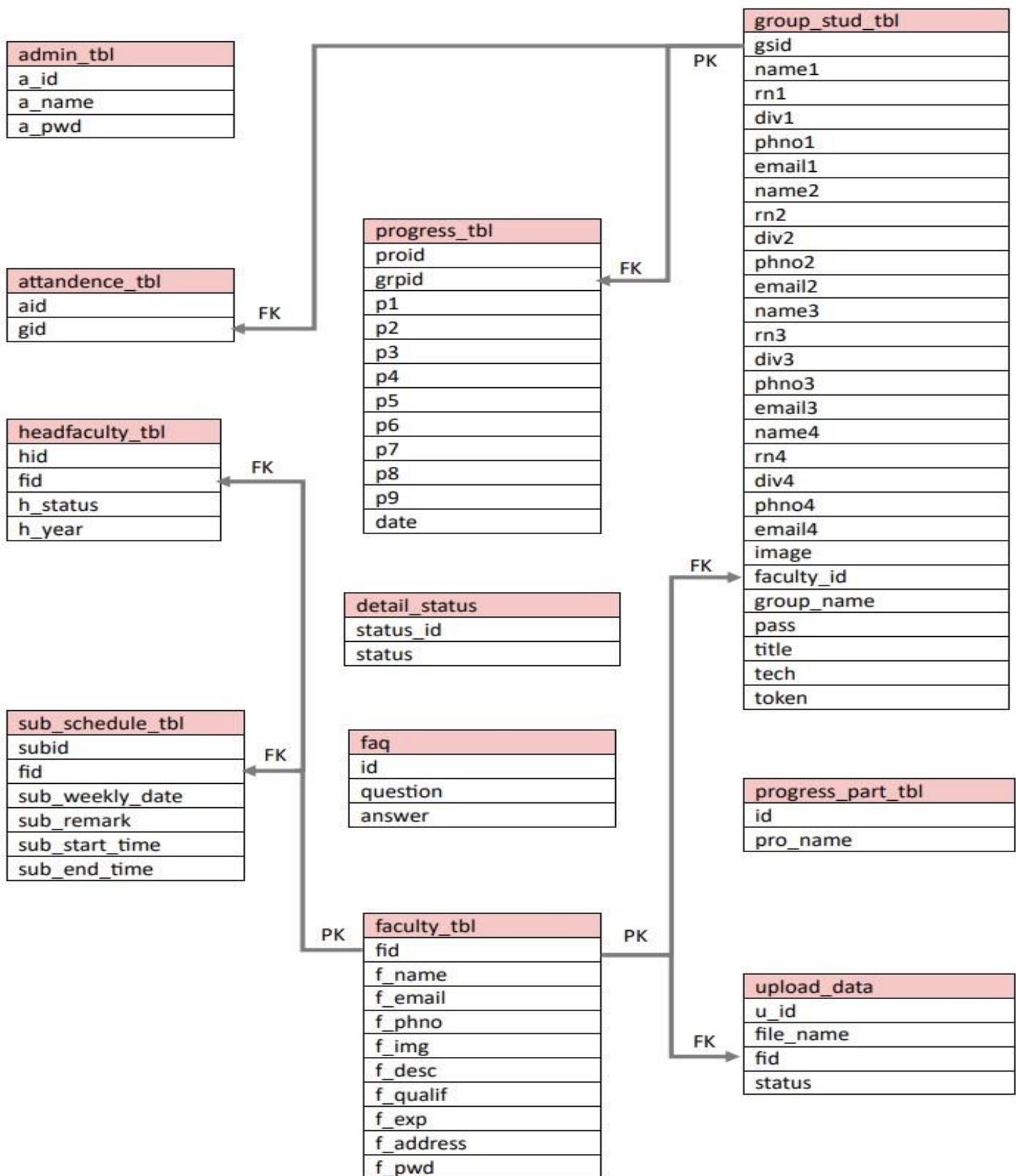
Column	Data Type	Size	Constraint
aid	Int	11	Primary key
gid	Int	11	Foreign key (Group_stud_tbl)

10) Upload Data

Column	Data Type	Size	Constraint
u_id	Int	11	Primary key
file_name	varchar	255	Not Null
fid	Int	11	Foreign Key (Faculty_tbl)
status	Int	11	Default 0

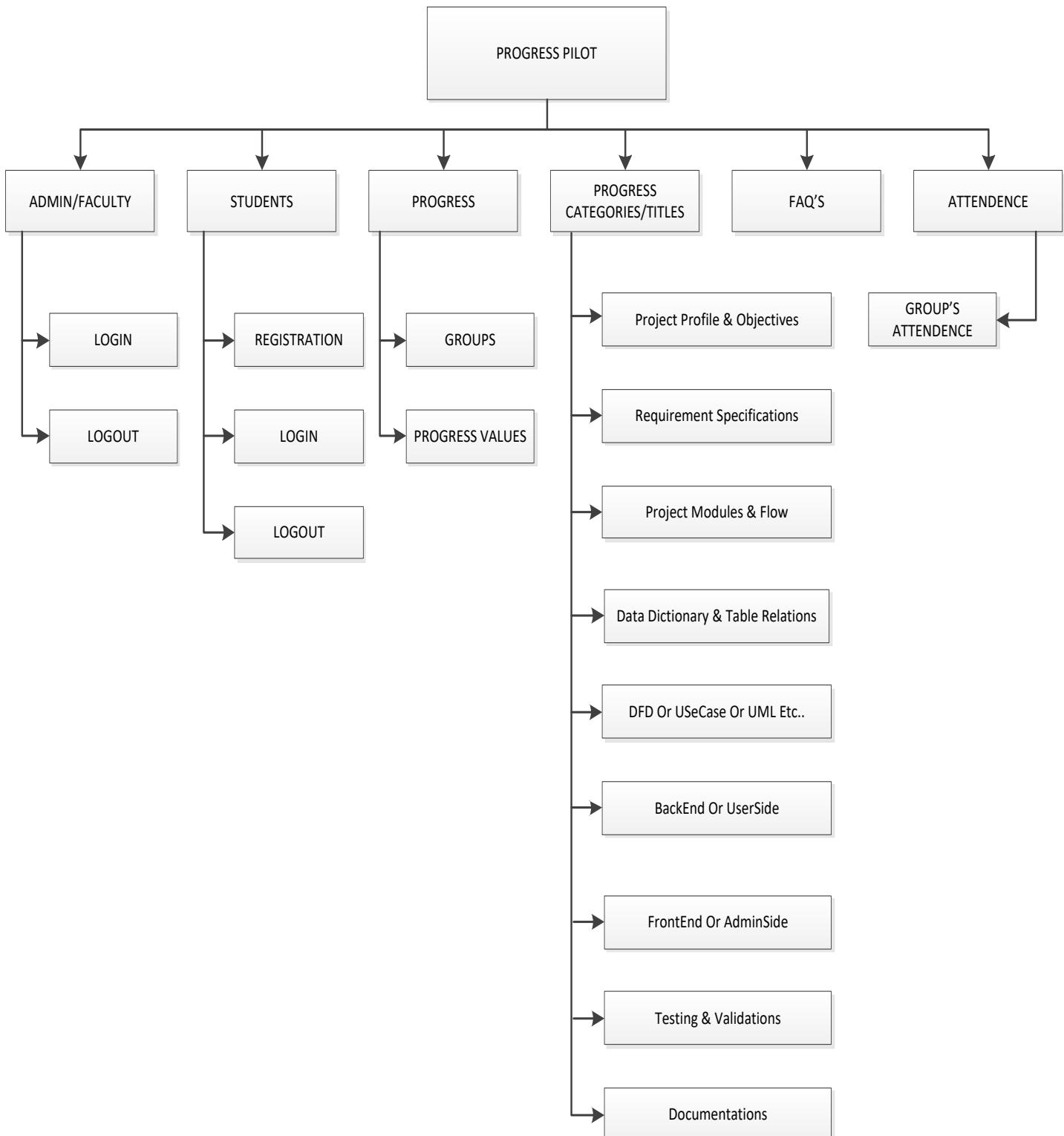
11) FAQ's

Column	Data Type	Size	Constraint
id	Int	11	Primary key
question	Varchar	255	Null
answers	Varchar	255	Null

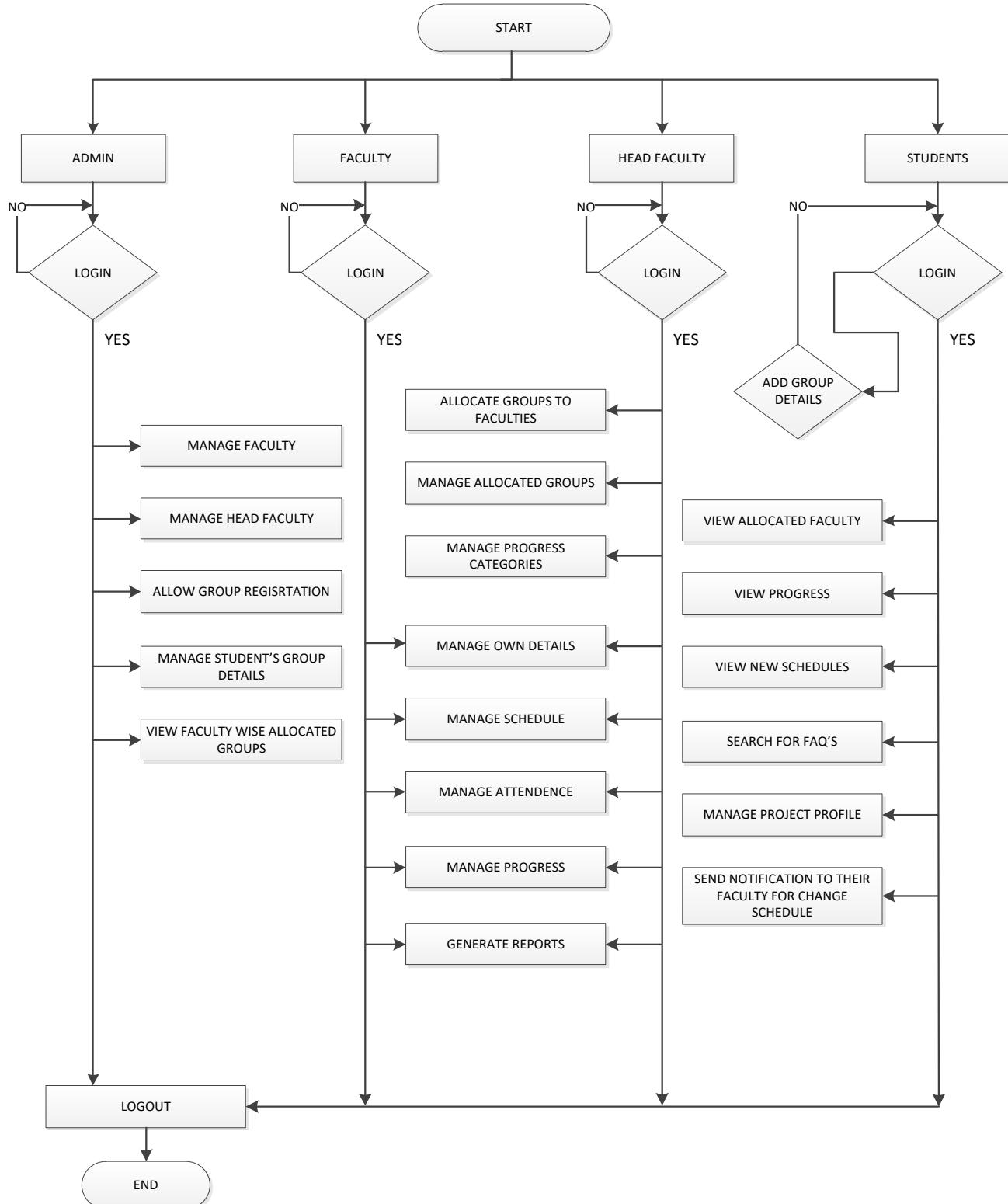
3RD Normalized From Of Database

8. Design Report

Site Diagram/Program Flow Diagram



Algorithms/Flow Chart



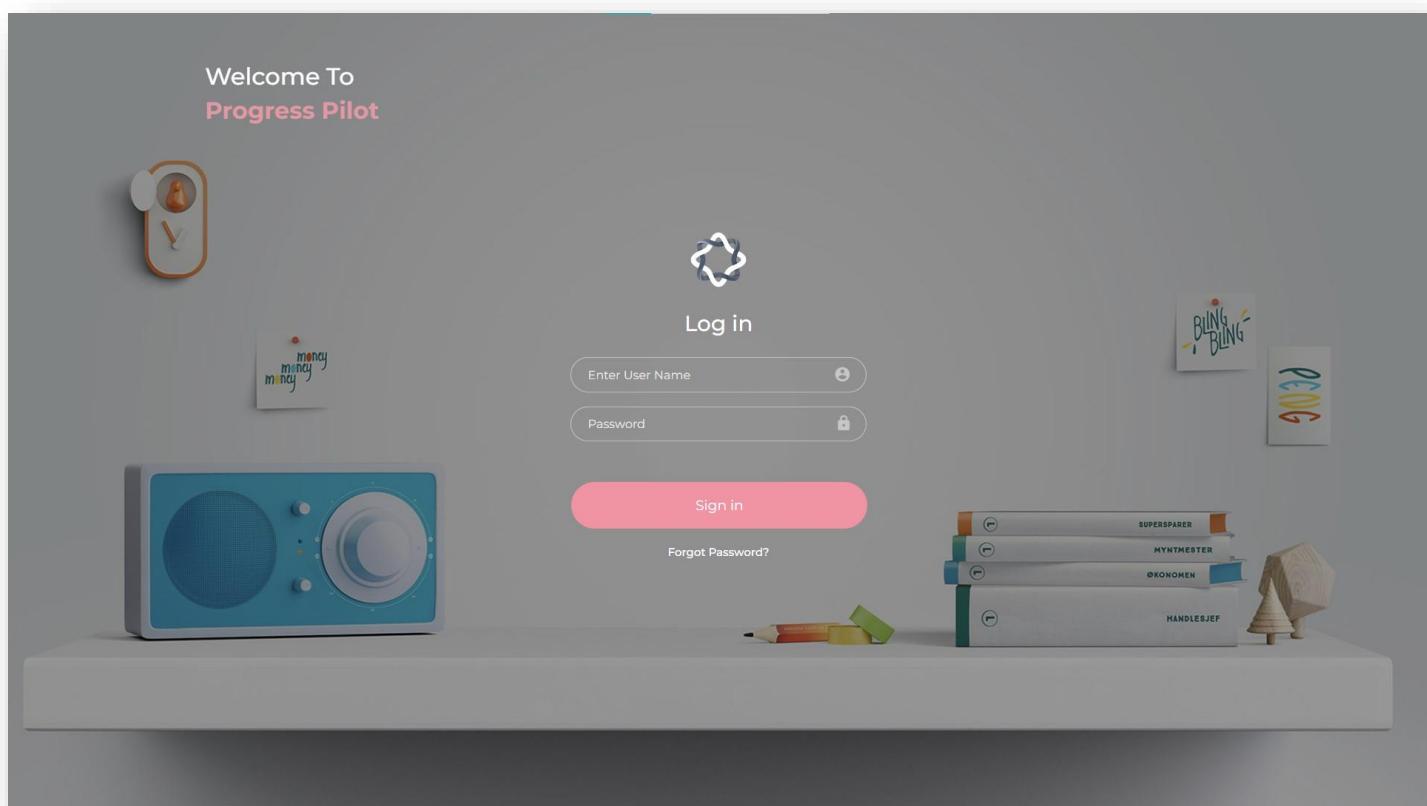
Security issues

- In the system there are some security issues in hacking side and in other fields like database related issues and CSS related issues too.
- The hacker can easily hack the system and down server for users.
- The files which is stored on the server there may be chances for stolen or corrupted from server and not available for long last.
- The system is not providing high level of security so the data is may be at risk in the future.
- The system is easy to understand and provide low level of security tool sand interfaces so it is easily hack able by well practice hackers.

Website Layouts

1. Admin

1.1 Admin Login



1.2 Admin Dashboard

Dashboard
Welcome to Admin dashboard

Student: 228 | Faculties: 15 | Groups: 70

Progress Survey
All Over Progress...

Category	Value
p1	220
p2	260
p3	300
p4	260
p5	340
p6	280
p7	280
p8	380
p9	340

Progress Titles
Categories of Progress

- Project Profile & Objectives
- Requirement Specifications
- Project Modules & Flow
- Data Dictionary & Table Relations
- DFD Or USeCase Or UML Etc..
- BackEnd Or UserSide
- FrontEnd Or AdminSide
- Testing & Validations
- Documentations

1.3 View Faculty

All Faculties
Welcome to Progress Pilot

Faculty List

Faculty Name	Designation	Experience	Email	Action
Manoj Kumar	Ass. Prof. M.Sc. (ICT)	5 Years of Experience	manojkumar231@gmail.com	
Aparna Kar	Ass. Prof. MCA.	6 Years of Experience	aparnakar2290@gmail.com	
Shailee Shah	Ass. Prof. B.Sc,M.Sc.	8 Years of Experience	shaillee9832@gmail.com	
Dipam Rami	Ass. Prof. B.Sc,M.Sc.	8 Years of Experience	ramidipam@gmail.com	

1.4 Add/Update Faculty

Add Faculty

Welcome to Progress Pilot

Faculty Information

Manage Faculty Details below

Enter Name

Enter Email Id

Enter Contact No.

Enter Designation

Enter qualification

Experienc of Faculty

Enter Residential Address

password

Re-type password

Choose File | Not Found

Submit Cancel

1.5 View Head Faculty

Profile

Details About Head Faculty

Aparna Kar
Head Faculty
aparnakar2290@gmail.com

Degree: MCA
Experience: 6 Years in IT Education Field
Designation: Ass. Prof
Address: 8/1376,vesu,surat
Contact No: 1453675548

1.6 Set Head Faculty

All Faculties

Welcome to Progress Pilot

Faculty List

Search by name

Profile	Name	Qualification	Designation	Experience	Action
	MANOJ KUMAR	M.Sc. (ICT)	Ass. Prof	5 Years	Set As HOD
	APARNA KAR	MCA	Ass. Prof	6 Years	Set As HOD
	SHAILEE SHAH	B.Sc,M.Sc	Ass. Prof	8 Years	Set As HOD
	DIPAM RAMI	B.Sc,M.Sc	Ass. Prof	8 Years	Set As HOD

1.7 Student View

All Student

Welcome to Progress Pilot

Student List

Show 10 entries

Search: |

Rollno	Name	Div	phoneo	email
1111	Mohit Champaneriya	TY DIV-1	1212121212	m@g.c
2001	Jamal Asif	TY DIV-3	2045599447	bbagley@outlook.com
2002	Valeria Monks	TY DIV-1	3091337756	csetterfieldik@cdc.gov
2003	Ester Philippard	TY DIV-1	7133297358	rbenckw@merriam-webster.com
2004	Costanza Isenor	TY DIV-2	8979846058	dderrick@pinterest.com
2005	Siward Mapson	TY DIV-4	7024109110	cmisenden1q@blinklist.com
2006	Ellissa Boncoeur	TY DIV-3	8537161975	bpesterfield1b@dropbox.com
2007	Torr Juan	TY DIV-2	4373891438	ofarndon4@yelp.com
2008	Kip Planks	TY DIV-1	9832573817	akinneirs@amazon.com
2009	Livia Amott	TY DIV-2	5545713068	lreddell6@sourceforge.net

Showing 1 to 10 of 228 entries

1 2 3 4 5 23 NEXT

1.8 Groups View

All Groups

Welcome to Progress Pilot

Groups List

Search by name

GROUP 1

1st name: Jay Sopariwala
2nd name: Diya Presswala
3rd name: Isha Jariwala
4th name:

GROUP 2

1st name: Mohit Champan...
2nd name:
3rd name:
4th name:

GROUP 3

1st name: Polly Menear
2nd name: Hayden Furmon...
3rd name: Norby Cristofol
4th name:

GROUP 4

1st name: Cherida Hambri...
2nd name: Duky Soreau
3rd name: Alane McKeighen
4th name: Nolly Batterbee

Manage Group Details

1.9 Allocated Groups To Faculty View

All Faculty

Welcome to Progress pilot

Faculty List

Search by name

Faculty Name	Action
Manoj Kumar	View Groups
Aparna Kar	View Groups
Shailee Shah	View Groups
Dipam Rami	View Groups
Nikunj Patel	View Groups
Sangeeta Gupta	View Groups
Tanvi Sevak	View Groups
Rita Vkadhy	View Groups
Manish Patel	View Groups
Abhilasha Pandit	View Groups
Diya Presswala	View Groups
Isha Jariwala	View Groups

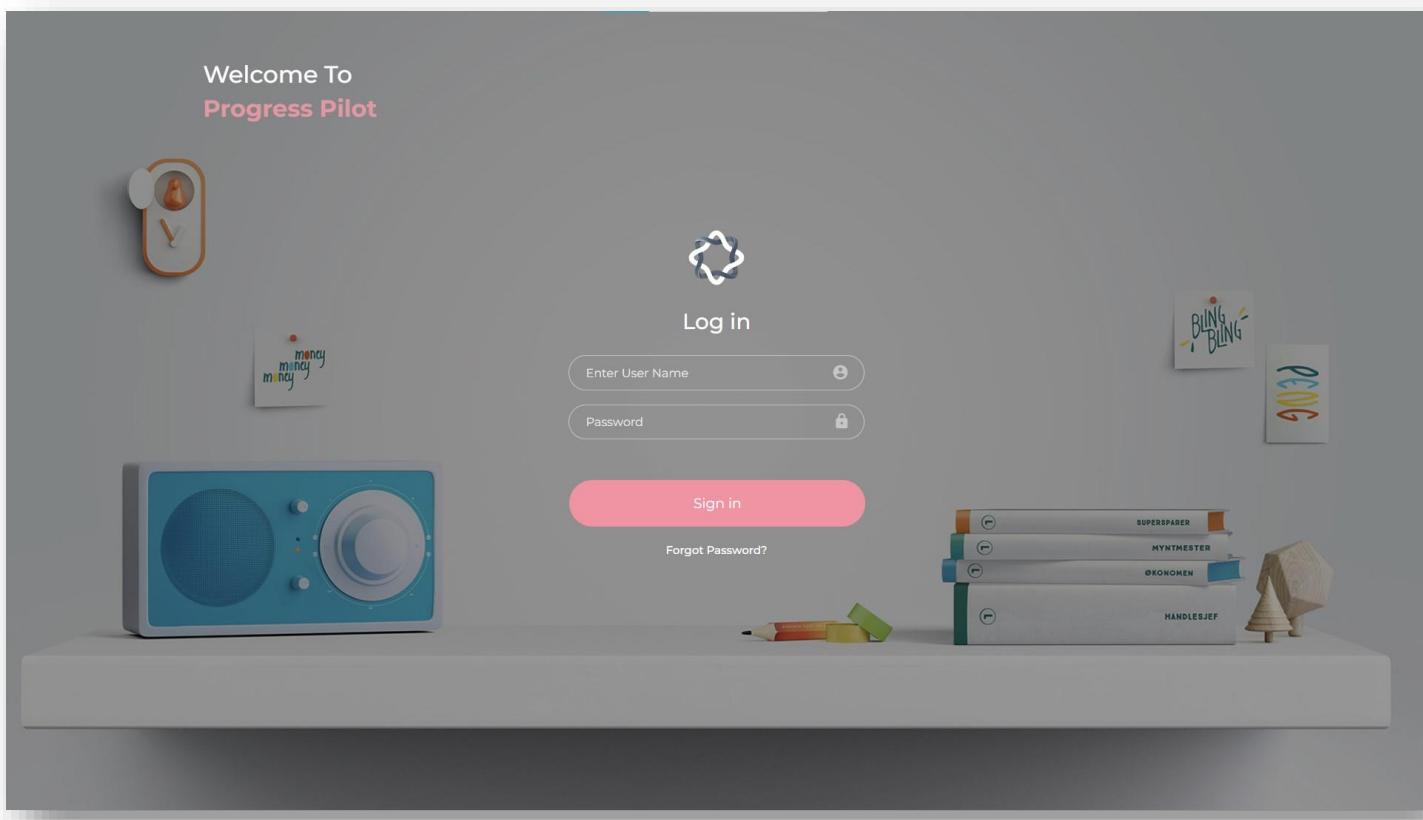
1.10 Allocated Groups Of Faculty

The screenshot displays the 'Allocated Groups' section of the Progress Pilot application. On the left, a sidebar shows the user profile 'admin ADMIN' and the 'Admin Menu' with options: Dashboard, Faculty, Head Faculty, Students, Group, and Generate Report. The main area is titled 'Allocated Groups' and 'Welcome to Progress Pilot'. It shows a list of groups associated with 'Manoj Kumar':

GROUP	MEMBER	YEAR	CLASS
GROUP 1	POLLY MENEAR	TY DIV-2	2010
GROUP 3	HAYDEN FURMO...	TY DIV-2	2080
GROUP 14	NORBY CRISTOF...	TY DIV-4	2150
GROUP 33			

2. Faculty

2.1.1 Faculty Login



2.1.2 Faculty Dashboard

Dashboard
Welcome to Progress Pilot

Student 228 **Faculties** 15 **Groups** 70

Progress Survey
All Over Progress Of Your Groups...

Category	Value
p1	95
p2	30
p3	50
p4	20
p5	90
p6	70
p7	65
p8	80
p9	50

Categories Of Progress

Progress Titles
Categories of Progress

- Project Profile & Objectives
- Requirement Specifications
- Project Modules & Flow
- Data Dictionary & Table Relations
- DFD Or UseCase Or UML Etc..
- BackEnd Or UserSide
- FrontEnd Or AdminSide
- Testing & Validations
- Documentations

2.1.3 Timeline View (Dashboard)

Expected Timeline

13 Wednesday MARCH 2024

Timeline Period	Event	Description
DEC-JAN	PROJECT SESSION START	Group Details & Faculty Allocation & start Project Work
FEB-MIDD	THEORY EXAMINATION	Internal & External Theory Exams
MAR-END	INTERNAL SUBMISSION	Internal Submission Of Project & Seminar
APR-MIDD	EXTERNAL SUBMISSION	External Submission Of Project & Seminar
APR	END OF BECHLORE'S	

2.1.4 Manage Schedule

The screenshot shows the 'Schedule Calendar' section of the Progress Pilot application. On the left, a sidebar for 'Jay Sopariwala' (Faculty) lists 'Faculty Menu' items: Dashboard, Schedule, Progress, Attendance, Generate Report, and Notifications. The main area displays an 'Upcoming Schedules' list for March 2024. Two entries are shown: 'New Schedule For Group No X' on March 18, 2024, from 13:53:00 to 13:53:00, and 'Demo Schedule' on March 20, 2024, from 11:16:00 to 13:14:00. Each entry has a red trash icon. To the right is a monthly calendar for March 2024, showing days from 25 to 31. Specific events are highlighted: 'Documentation' on March 6, 'new schedule for' on March 17, 'demo schedule' on March 19, and 'Documentation' on March 20. Navigation buttons for 'today', 'Day', 'Week', and 'Month' are at the top of the calendar.

2.1.5 Manage Group Progress

The screenshot shows the 'Manage Progress' section of the Progress Pilot application. The sidebar for 'Jay Sopariwala' (Faculty) is identical to the previous screen. The main area displays a 'Project Profile & Objectives' card for 'GROUP 16' members Kristine Kempston, Ami O'Crevy, and Gavra Varnam. A large orange 'Save' button is on the right. Below are three progress bars: 'Project Profile & Objectives' at 59%, 'Requirement Specifications' at 28%, and 'Project Modules & Flow' at 46%. Each bar has a numerical value at its end.

2.1.6 View Group Progress

The screenshot shows the Progress Pilot app interface. On the left, there's a sidebar with a user profile picture of Jay Sopariwala, Faculty, and a menu with options like Dashboard, Schedule, Progress, Attendance, Generate Report, and Notifications. The main content area is titled "Progress OF Groups" and shows two groups: GROUP 16 and GROUP 30.

GROUP 16: Members: Kristine Kempston, Ami O'Crevey, Gavra Varnam. Progress bars show percentages: 59%, 28%, 46%, 44%, 54%, 56%, 55%, 76%, 56%.

GROUP 30: Members: Natalie Lindl, Biron Winteringham, Dominique Stutt. Progress bars show percentages: 79%, 8%, 21%, 18%, 91%, 70%, 67%, 81%, 49%.

2.1.7 Manage Group Attendance

The screenshot shows the Progress Pilot app interface. On the left, there's a sidebar with a user profile picture of Jay Sopariwala, Faculty, and a menu with options like Dashboard, Schedule, Progress, Attendance, Generate Report, and Notifications. The main content area is titled "Allocated Groups" and shows five groups: GROUP 16, GROUP 21, GROUP 24, GROUP 27, and GROUP 30.

GROUP 16: Total Attendance: 1. Tap To Add Present.

GROUP 21: Total Attendance: 1. Tap To Add Present.

GROUP 24: Total Attendance: 2. Tap To Add Present.

GROUP 27: Total Attendance: 0. Tap To Add Present.

GROUP 30: Total Attendance: 0. Tap To Add Present.

2.1.8 Generate Reports

The screenshot shows a software application window titled "Progress Pilot". On the left, a table lists student records with columns for Group No., Student Name, Roll No., Division, Progress Details, Attendance, Faculty Name, and Remark. Each row contains a bar chart under the "Progress Details" column. On the right, a "Print" dialog box is open, showing options for destination (Save as PDF), pages (All), pages per sheet (1), margins (Default), and options (Headers and footers, Background graphics). A "Remark" section is also present. At the bottom right of the dialog are "Save" and "Cancel" buttons.

Group No.	Student Name	Roll No.	Division	Progress Details	Attendance	Faculty Name	Remark
10	Aristea Karpouzi Arianna Orlow Ganes Varman	2069 2139 2209	TY DIV-5 TY DIV-3 TY DIV-5		Y	Jay Sopariwala	
21	Wendee Kothari Tubal Poochee Avijit Bhattacharya	2060 2130 2200	TY DIV-5 TY DIV-3 TY DIV-1		Y	Jay Sopariwala	
26	Sander Breakspear Madlen Bwy Ellary Bellini	2069 2139 2209	TY DIV-5 TY DIV-3 TY DIV-5		Z	Jay Sopariwala	
27	Phebe Yellosides Sergen Raya Hannah Wood	2060 2065 2208	TY DIV-2 TY DIV-1 TY DIV-2		O	Jay Sopariwala	
30	Natalie Link Briar Wommeringham Dominique Stoff	2069 2069 2138	TY DIV-4 TY DIV-3 TY DIV-4		O	Jay Sopariwala	

24 Sander Breakspear
Madlen Bwy
Ellary Bellini 2069
2139
2209 TY DIV-5
TY DIV-3
TY DIV-5

Save Cancel

2.1.9 Forgot Password

Welcome To Progress Pilot

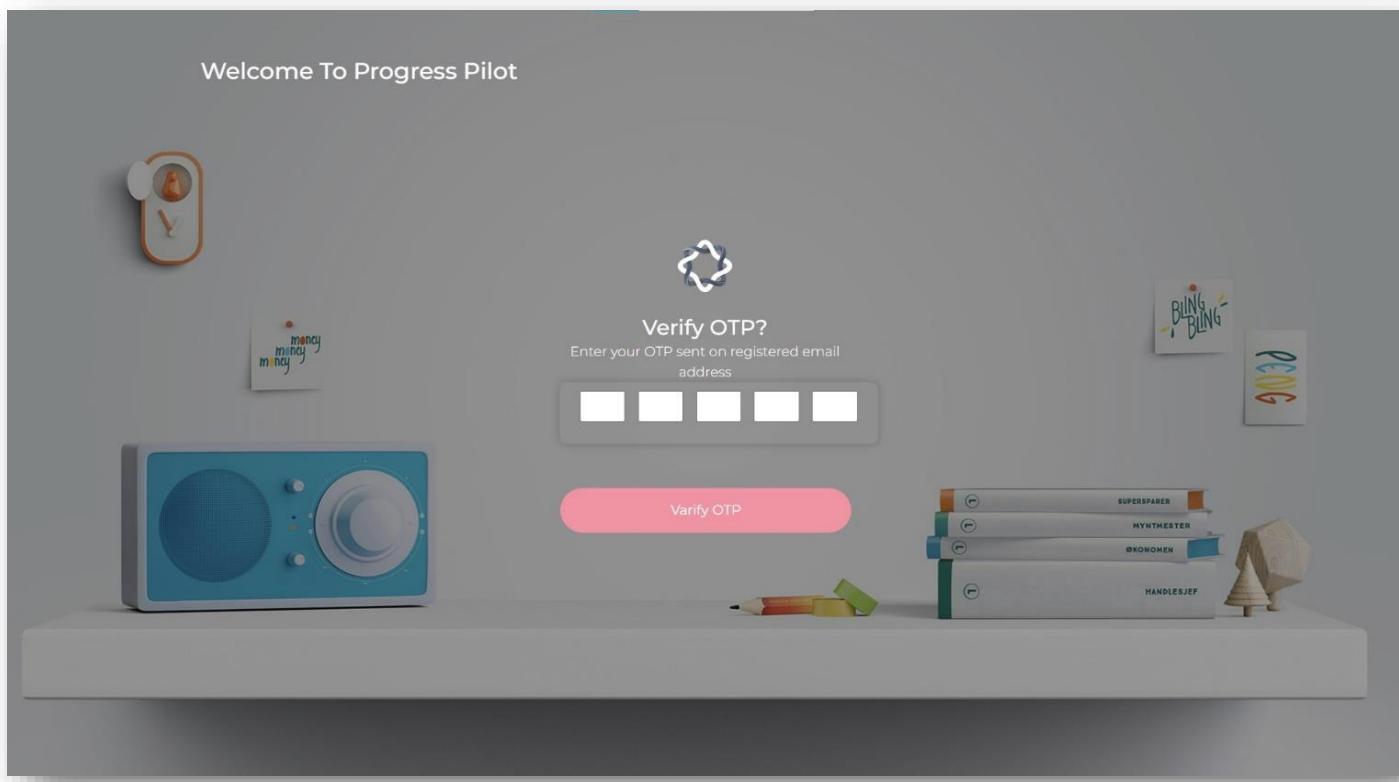
Forgot Password?

Enter your e-mail address below to reset your password.

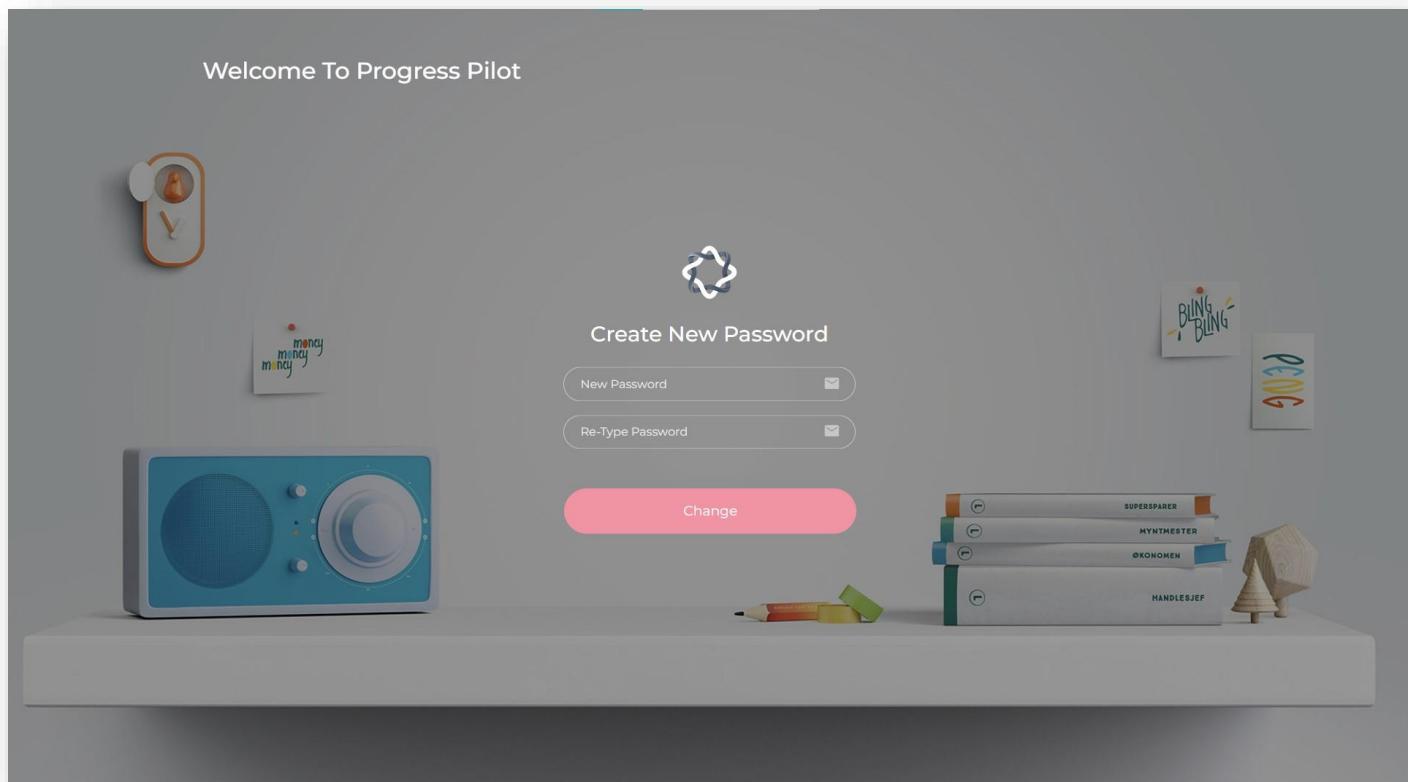
Enter Email

SUBMIT

2.1.10 Verify OTP



2.1.9 Generate New Password



2.1 Head Faculty

2.2.1 Allocate Groups

The screenshot shows the 'All Groups' page of the Progress Pilot application. At the top, there is a header bar with the Progress Pilot logo and various icons. Below the header, a profile picture of Aparna Kar (Head Faculty) is displayed. On the left, a sidebar menu lists navigation options: HOD Menu, Dashboard, Group, Schedule, Progress, Attendance, Notifications, and Generate Report. The main content area is titled 'Groups List' and displays a grid of 10 groups, each represented by a user icon and labeled 'GROUP X'. Each group card has a blue 'select group' button at the bottom. A search bar and a 'submit' button are located at the top right of the grid area.

Group	Group ID	Action
GROUP 38	GROUP 38	select group
GROUP 39	GROUP 39	select group
GROUP 40	GROUP 40	select group
GROUP 41	GROUP 41	select group
GROUP 42	GROUP 42	select group
GROUP 43	GROUP 43	select group
GROUP 44	GROUP 44	select group
GROUP 45	GROUP 45	select group

2.2.2 Manage Allocated Group

2.2.3 Manage Progress Titles

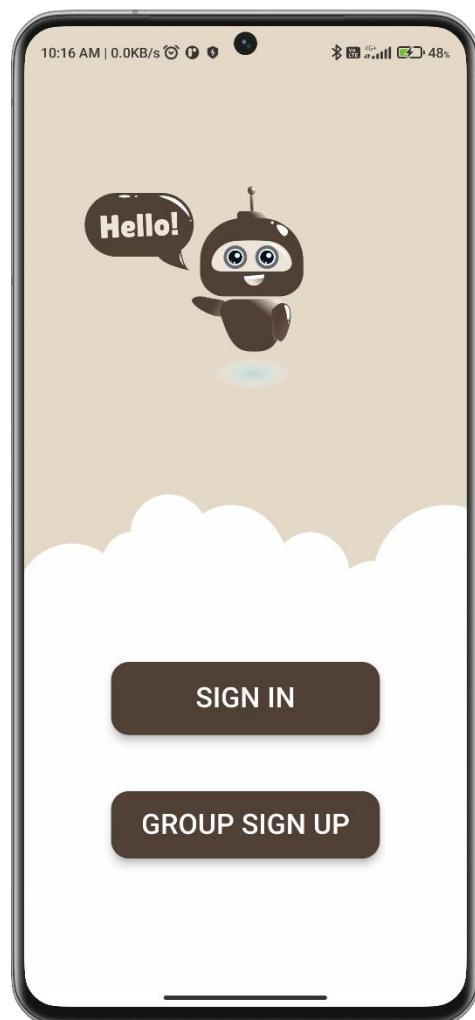
Application Layouts

Student Application

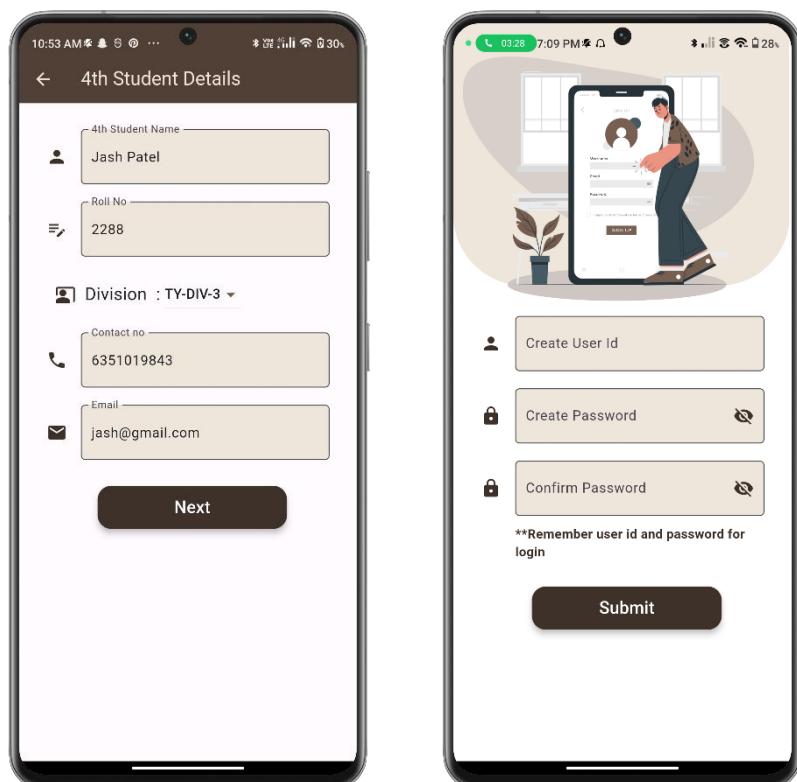
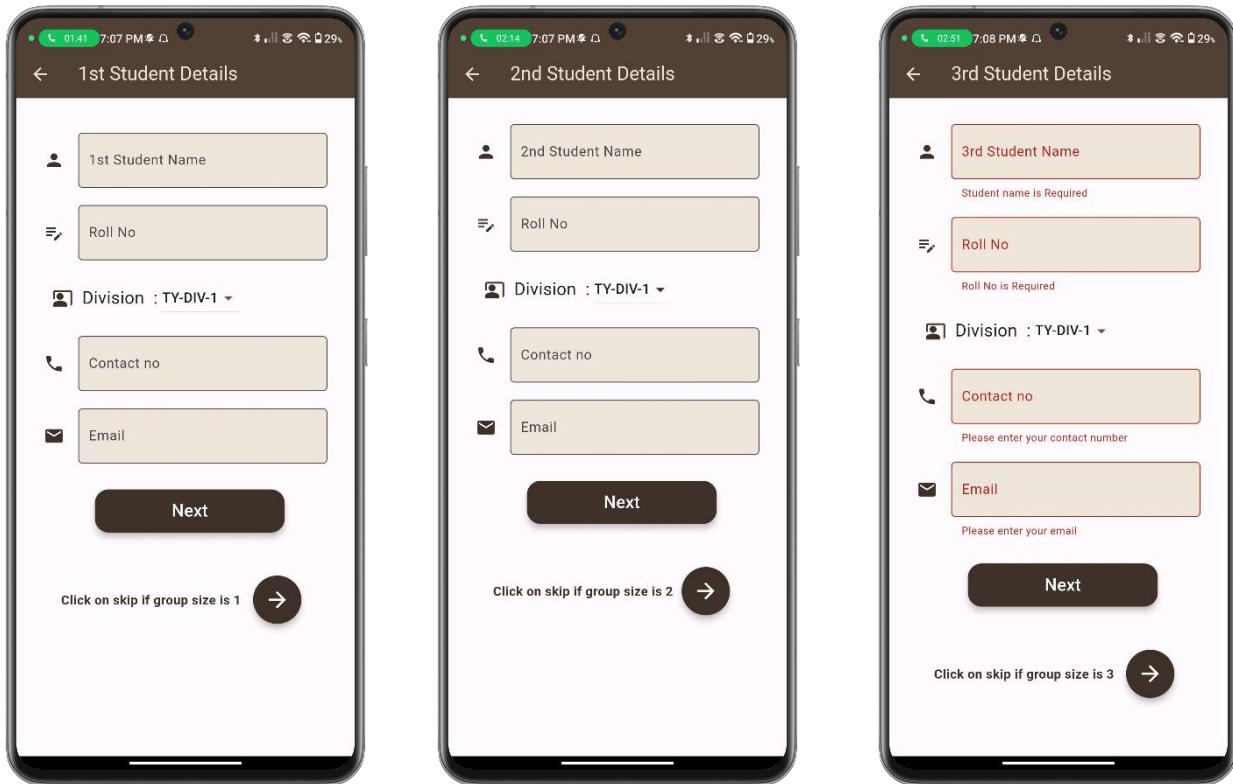
Splash Screen



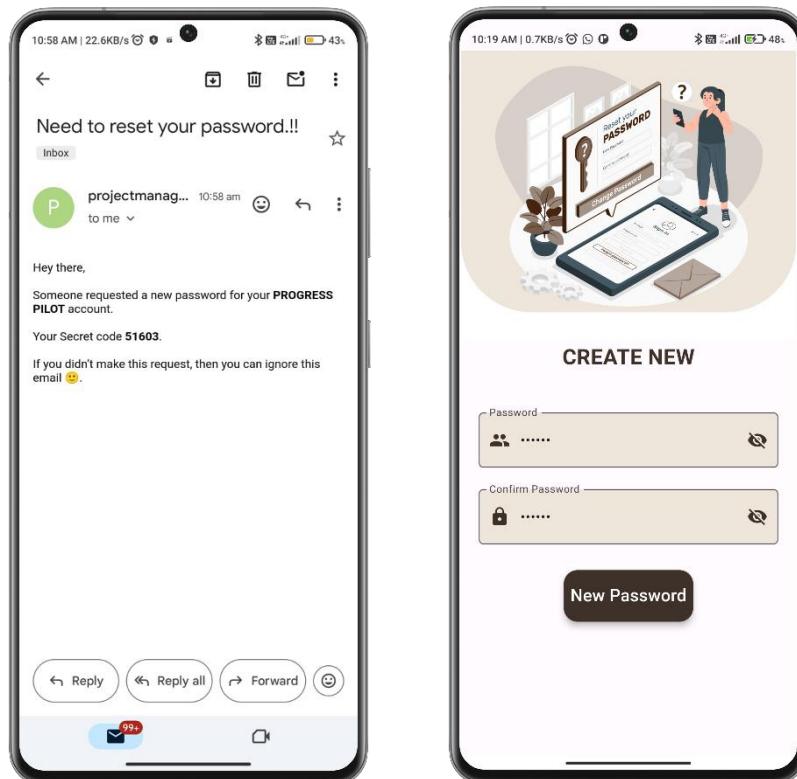
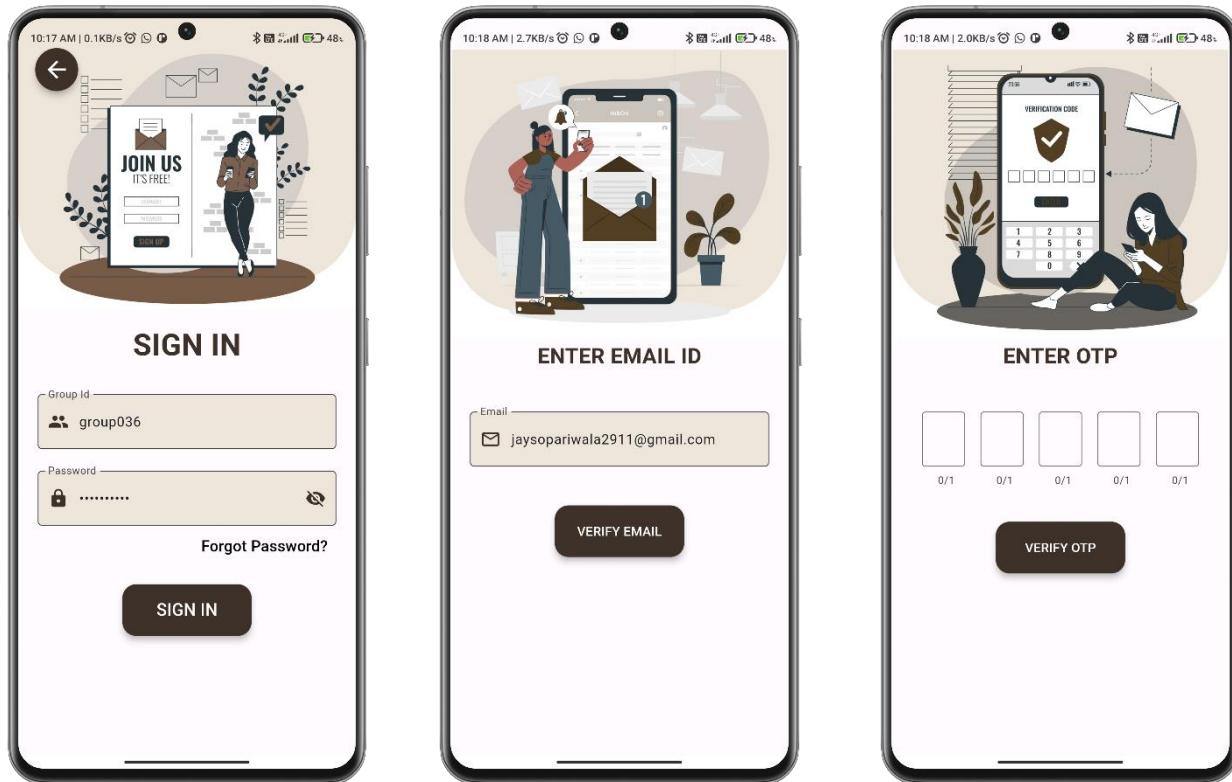
Option Screen



Group Registration



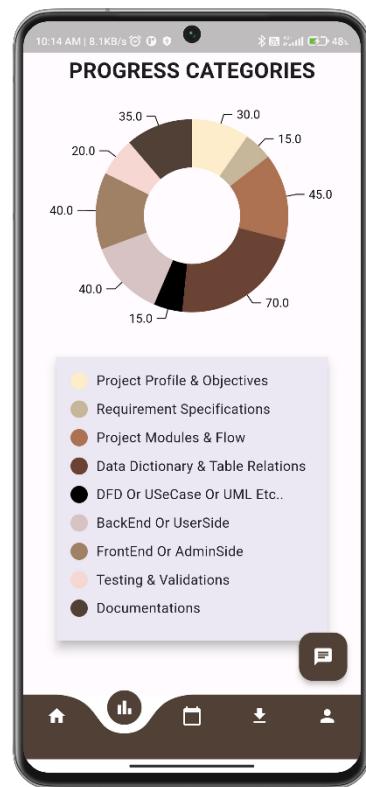
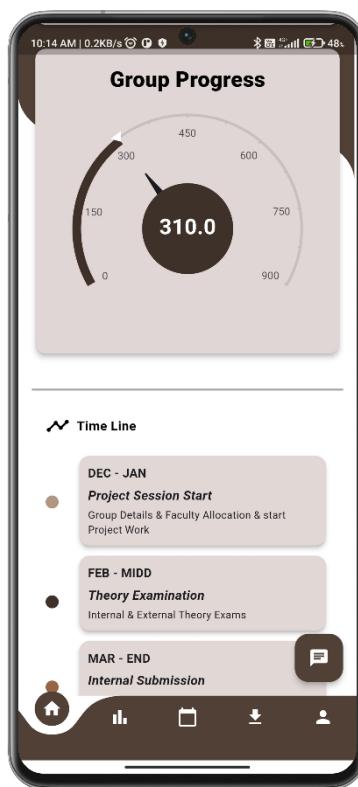
Sign In And Forgot Password



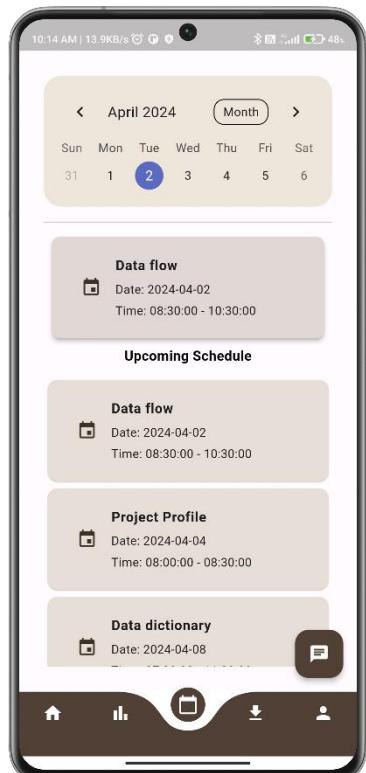
Home Screen



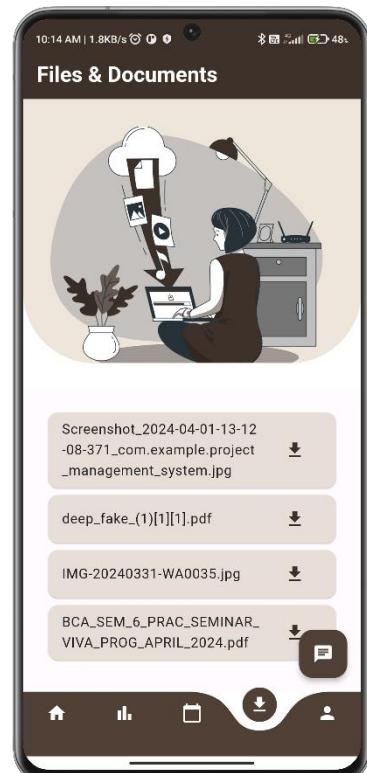
Progress Screen



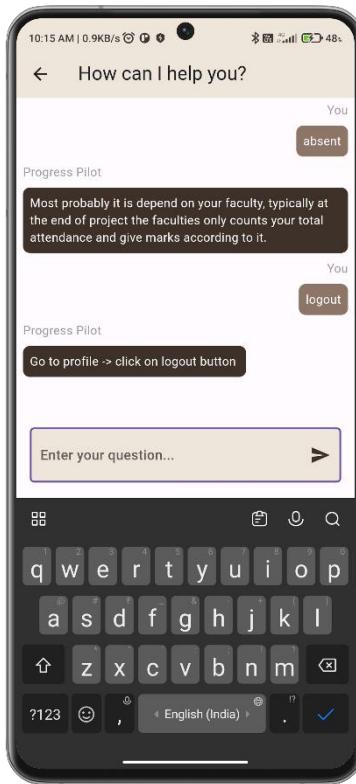
Schedule Screen



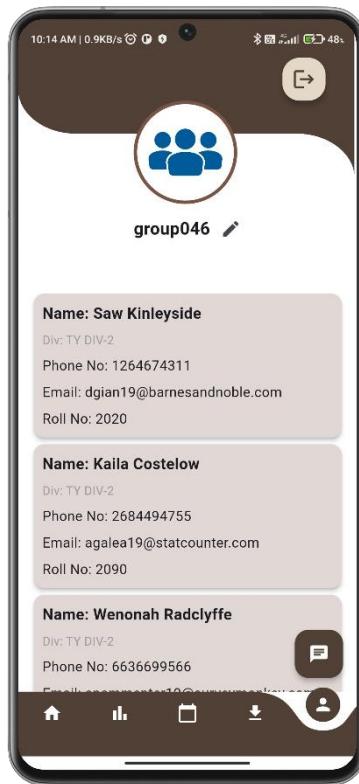
File Downloads



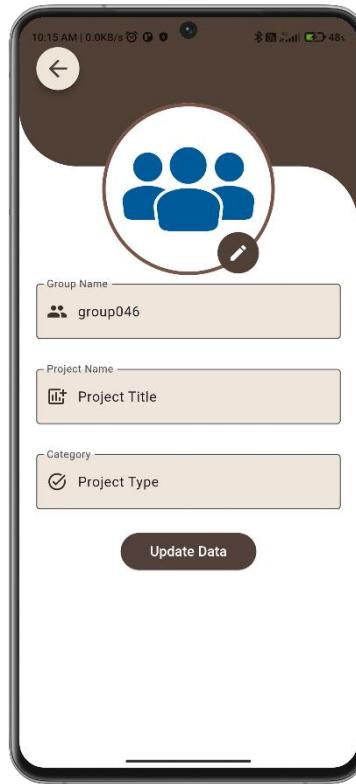
FAQ's Bot Page



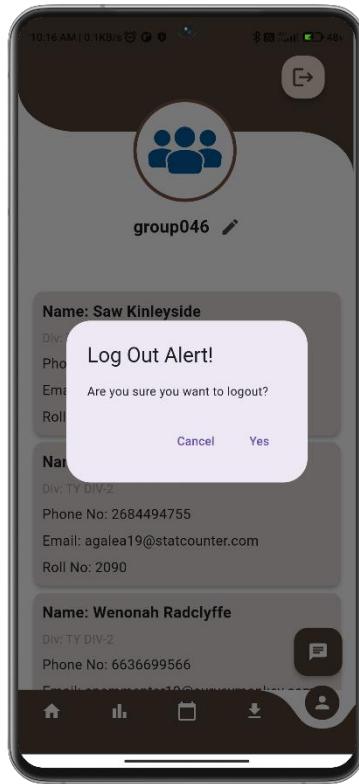
Profile Page



Update Profile

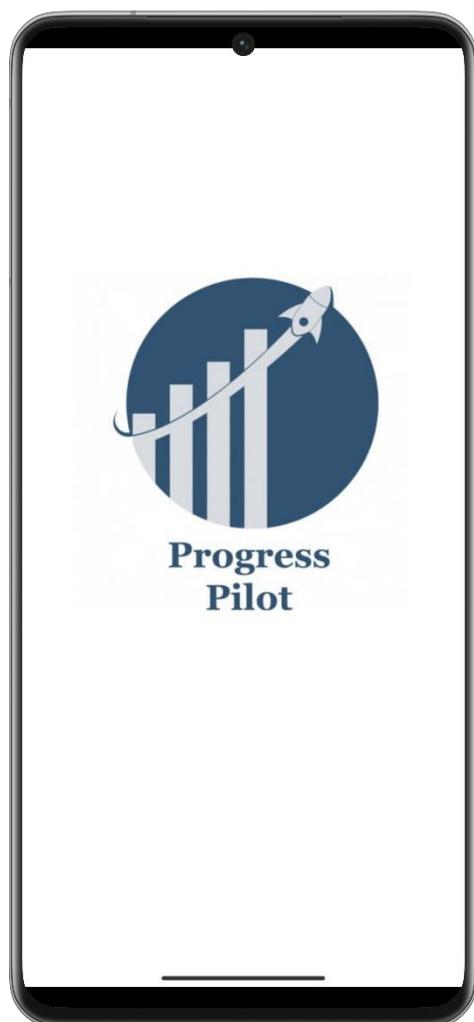


Logout

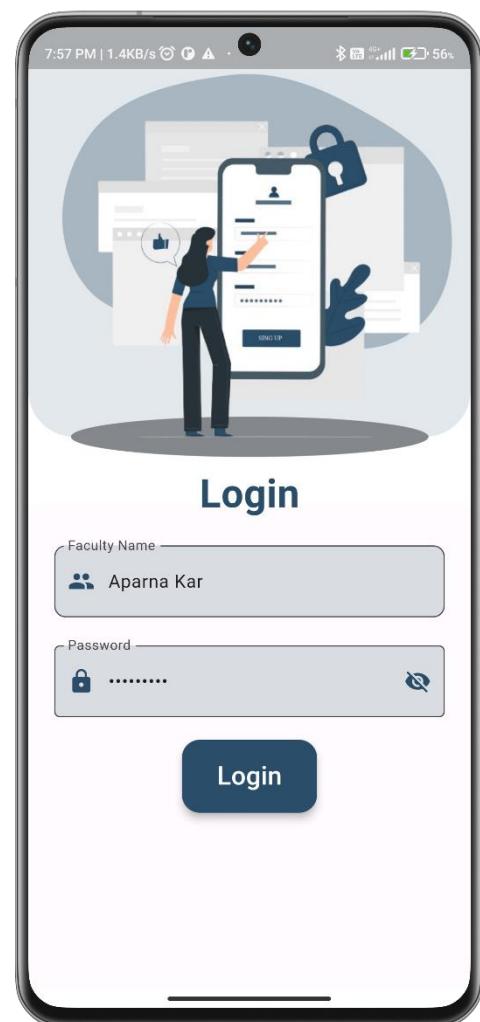


Faculty Application

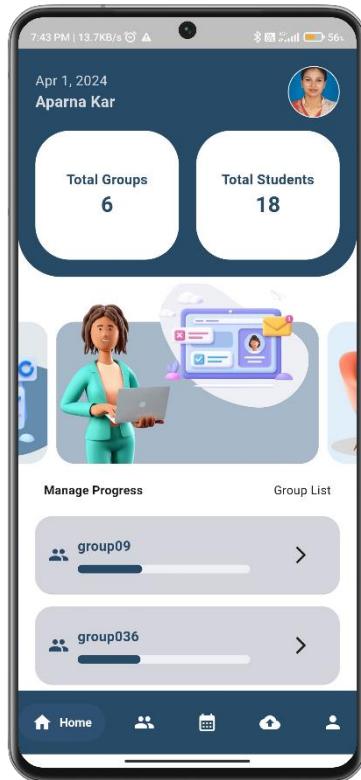
Splash Screen



Login Page



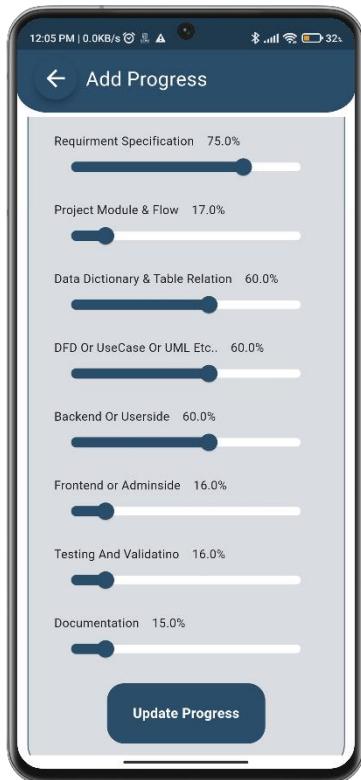
Home Page



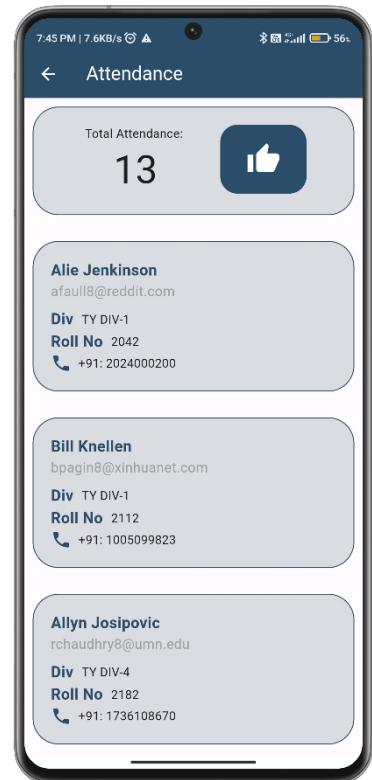
Faculty's Groups



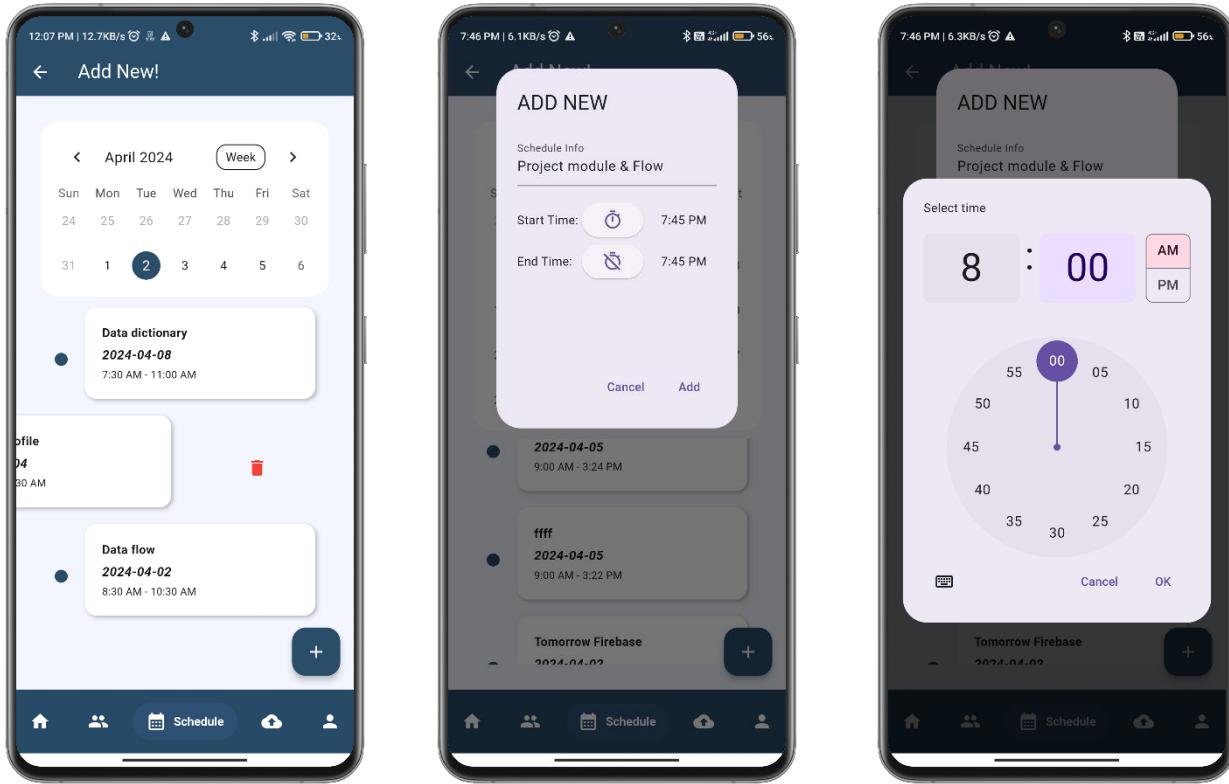
Add Progress



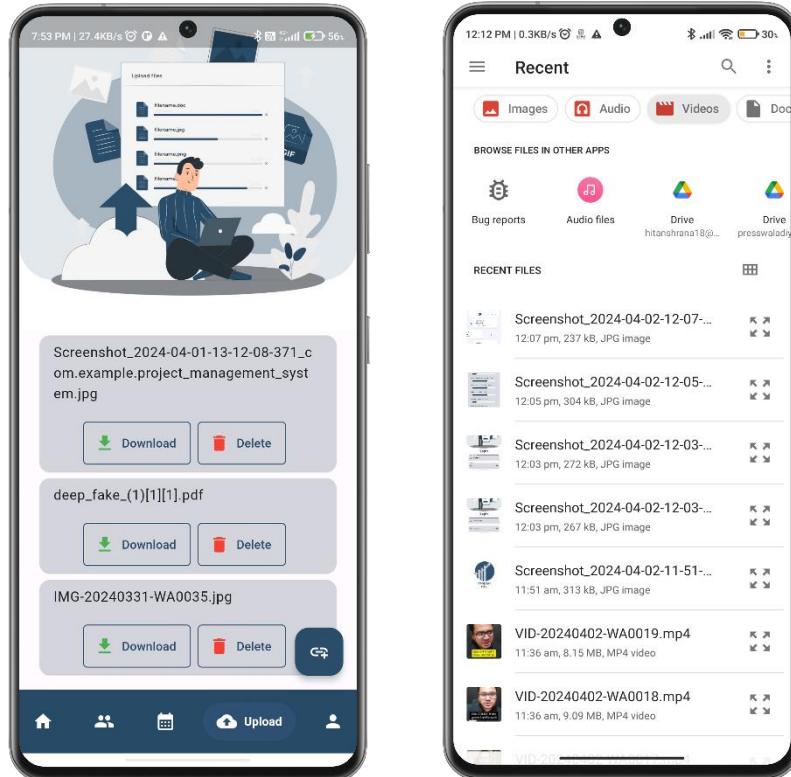
Add Attendance



Manage Schedules



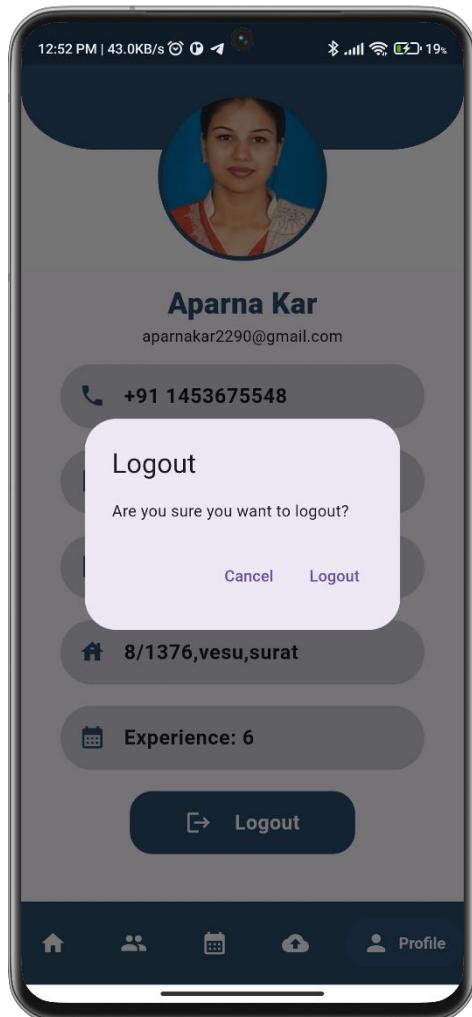
Manage File Uploads



Faculty Profile



Logout



9.

Testing Report

Test Case Design

TEST CASE 1: LOGIN VERIFICATION

1.1 ADMIN LOGIN

Sr no.	Field Name	Invalid	Valid
1.	a_name	anything_id	admin
2.	a_pwd	anything_pwd	tiger

1.2 FACULTY LOGIN

Sr no.	Field Name	Invalid	Valid
1.	f_name	dipamrami	Dipam Rami
2.	f_pwd	DIPAM123	Dipam123

1.3 STUDENT GROUP LOGIN

Sr no.	Field Name	Invalid	Valid
1.	group_name	Abc01	Group01
2.	Pass	anything	group01123

TEST CASE 2: FACULTY DETAILS VERIFICATION

Sr no.	Field Name	Invalid	Valid
1.	f_name	Dipam123	Dipam Rami
2.	f_email	Dipam.org	dipamrami@gmail.com
3.	f_phno	41524	5462158741
4.	f_img	pro.webp/pro2.pdf	pro2.jpg/pro2.jpeg
5.	f_desc	Null	Asst. Prof.
6.	f_qualif	Abc	Msc. IT
7.	f_exp	Five	5
8.	f_address	Null& anything%	Sai sardar Society, Surat
9.	f_pwd	123	dipam123

TEST CASE 3: GROUP REGISTRATION VERIFICATION

Sr no.	Field Name	Invalid	Valid
1.	name1	Jay123/null	Jay Sopariwala
2.	rn1	22/null	5322
3.	div1	1/null	TY DIV-1
4.	phno1	415235/null	7041818776
5.	email1	Jay&.com	jaysopari29@gmail.com
6.	name2	Ram111	Ram / Null
7.	rn2	14	5314 / Null
8.	div2	2	TY DIV-2 / Null
9.	phno2	6541615648451621	2345612350 / Null
10.	email2	Ram1.in	ram3@yahoo.com / Null
11.	name3	Shradhha_1	Shradhha Kapoor / Null
12.	rn3	97	5297 / Null
13.	div3	1	TY DIV-1 / Null
14.	phno3	+91 564664	5544771235 / Null
15.	email3	Sradhayahoo.in	kshradhha@gmail.com / Null
16.	name4	Jhons_jemi	Jhons jemi / Null
17.	rn4	45	9245 / Null
18.	div4	4	TY DIV-4 / Null
19.	phno4	745264	4512687428 / Null
20.	email4	jhononly	Johnjemi@outlook.com / Null
21.	Image	Img1.webp/image2.pdf	Img1.jpg/ image1.jpeg / Null
22.	group_name	Group#\$1 /null	Group01
23.	Pass	Abc / null	Group01123
24.	Title	Progress%pilot / null	Progress Pilot
25.	Tech	anything/null	Mobile - Web Application

TEST CASE 4: SCHEDULE VERIFICATION

Sr no.	Field Name	Invalid	Valid
1.	weekly_date	Back date	Today's date / upcoming date
2.	start_time	05:00 AM	Between 7:30 AM To 3:00 PM
3.	end_time	05:00 PM	Between 8:00 AM To 4:00 PM
4.	schedule_title	Null	Scheulde for Group N

Testing Issues

✓ **Integration Testing:**

Integration testing is a systematic technique for constructing the program structure while conducting test to uncover errors associated with interfacing. The objective is to take unit tested module and build a program structure that has been dictated by design

After our individual modules were tested out we go to the integrated to create a complete project. This integration process involves building the software and testing the e progress tracking software for problems that arise from component interactions.

✓ **Black Box Testing:**

As s/w functions are operational, the set of input conditions. Exercising all functional requirements will be derived to uncover the different class of the behavioral errors such as incorrect functions, incorrect interfaces, external data structure errors, performance errors and termination errors

✓ **White Box Testing:**

Based on the control structure of the procedural design, the logical paths are been exercised with specific set of conditions, loops at boundaries to examine the validity of the internal data structures.

✓ **Alpha Testing:**

The development site, the students conducts an alpha test under the Natural settings to record the errors and usage problems.

✓ **Beta Testing:**

At the student site, the end-user(students) conducts the “live” application test user environment to encounter the problems to be modified before Product release.

✓ **System Testing:**

As the s/w is to be integrated with other system elements, system testing focuses on validating the system integration by,

- ✓ Recovery Testing: To assure proper recovery
- ✓ Security Testing: To protect the improper penetration
- ✓ Stress Testing: To confront the program with abnormal resources such as quantity, frequency or volume.

The purpose of stress testing is to identify the breaking points or weaknesses in the system so that they can be addressed before the system is deployed in a production environment.

1. Quantity: Increasing the number of concurrent users, transactions, or data inputs beyond normal levels.
 2. Frequency: Introducing high-frequency requests or events to the system to simulate peak usage periods.
 3. Volume: Injecting large amounts of data or traffic into the system to assess its performance under heavy loads.
- ✓ A test case has a component that describes an input, action, or event and an expected response, to determine if a feature of an application is working correctly. Various test cases for this web application are tested on different browsers. (Google chrome, Mozilla Firefox) and the Mobile applications are tested on different OS & Smart Devices (Samsung's One UI, Xiaomi's MIUI, Oppo's Color OS, Vivo's Fun touch OS)

10.

Limitation of Purpose System

❖ **The App/Web-based application has following limitations:**

- ✓ The system has not any mechanism for separating individual student information in another table to manage student information individually.
- ✓ The system has not mechanism for adding or removing any progress categories.
- ✓ The system is hosted on the server, so we have 24-hour internet connection.
- ✓ The system is working on the server so validate data should be entered in database. If admin would not knowledgeable so data in the database are inadequate and it was worthless.
- ✓ The hacker can easily hack the system and gets server down and then the important data are corrupted.
- ✓ If internet and electricity is improper then system can't be access properly.
- ✓ If the user is not aware with the system, then the purpose for making the system is worth Less.

11.

Future Enhancement

- ✓ Firstly, we will can introduced separate database table for managing individual student details.
- ✓ We will can also provide seminar progress management in this system as well.
- ✓ We will can also provide additional functionality in chatting module to share project related images and files etc. between faculty to students that helps both to easily communicate over the network.
- ✓ We will can also introduced a new module, that contains formal students project & documentation demos that helps current students how to develop their projects, documentation and how they can take ideas from formal projects to redeveloped innovative things in their projects.
- ✓ We can make the system more user-friendly means the interfaces can more advanced level and high compatibility.
- ✓ We can add multiple level security and uses the high technology for reducing security issues and make system stronger.
- ✓ We can improve user interface elements and controls and validating methods for better performance of the system.
- ✓ In advance, we can merge collage management system, library management system and other related functionalities.

12.

Justification of System as MIS and DSS

- ✓ Progress Pilot is a Management Information System. The product provides various interfaces to manage all the details of FACULTIES, STUDENTS GROUPS, GROUP PROGRESS, PROGRESS CATEGORIES, SCHEDULES which are managed by the Administrator and Faculties who keeps track of all the activities.
- ✓ Necessary Progress Reports are generated as per the ADMIN & FACULTIES requirement to provide information more efficiently to the external supervisor.
- ✓ So, we can categorize the system as MIS. As a system in MIS it can be Decision Support System, which helps in taking decisions.

13.

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Thank You !