



AAVISHKAR INSTITUTE

DEVELOPED BY: TANU SHAMRA

CHAPTER:1

Introduction & Object of Project

Introduction

This project is specially designed for Students, because in this project students can take online Admission from Aavishkar Institute from their home which is registered in this project. Students can apply for admission through our project “Aavishkar Institute”.

The “Aavishkar Institute” project is a multi-user system. It has been developed in a way that allows user to perform the function smoothly and with proper accuracy.

The system is developed in PHP, My-SQL, Java script and CSS for designing purpose.

So, this system is very useful for all students.

How It Works?

In this project first of all a homepage is displayed for all visitors as well as registered students/users.

If user wants to take admission, then they have to Login first. If the user is not a Registered User, he/she will have to click on the Signup Button and fill all the fields in the registration form.

After registering you can see login page. Users will have to login with their registered mobile number and password.

After login, user will see User-Panel of ‘Aavishkar Institute’ Website. User can simply apply for admission by filling all the required details.

CHAPTER:2

Tools or Platform

Requirement Details

➤ Software:

- XAMPP Server
- Any browser like Google Chrome, Internet Explorer, etc.

➤ Hardware:

- Processor: Intel Core i3
- RAM: 8.00 GB
- Hard Disk: 1.00 TB

➤ Tools Used:

- Front End: HTML, CSS, JavaScript
- Back End: PHP
- Operating System: Windows 10

CHAPTER:3

System Analysis

3.1 Identification of Needs

3.2 Preliminary Investigation

3.3 Feasibility Study

3.4 Project Planning

3.5 Project Scheduling (PERT Chart and GANTT Chart)

3.6 Software Requirement Specification

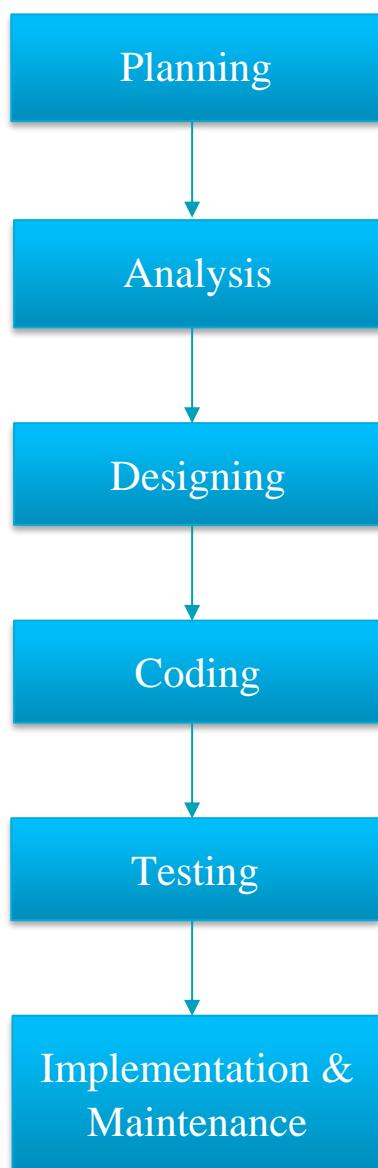
3.7 Data Models

3.1 Identification of Needs

The viewer of our system does not need to login as long as User wants to browse information about Aavishkar Institute only. But if the User wants to apply for admission in Aavishkar Institute, then he/she must be registered to our website.

User needs to provide first name, last name, email, mobile number and password when creating an account.

SDLC Model



SDLC Steps

➤ Step 1: Requirement Gathering

In this phase of SDLC necessary information are collected. We collect the information in this phase through questionnaire and online websites also. We also note down the requirements of the User.

➤ Step 2: Requirement Specification & Analysis

The requirements are being specified in this phase. Analyst checks how the current system is working and then plans how to develop the proposed system and implement it.

➤ Step 3: Design

In this phase the design of both front-end and back-end is decided. In this phase we use HTML, CSS for designing, and designing of tables are also done properly in this phase.

➤ Step 4: Coding

After the completion of designing there is a turn for coding. Coding is completed in various files. In most of the cases coding takes much more time than designing.

➤ Step 5: Testing

In testing phase first unit level testing is done. In unit level testing the software is tested in an individual file. After the unit testing of each file, the integration testing done. In integration testing the files are tested into their own package. At last, in the system testing the whole system is run on the Internet Environment.

➤ Step 6: Maintenance

The proper maintenance is given as indicated in the SRS (Software Requirement Specification). It is a responsibility of Developer to maintain the software during its criteria mentioned in SRS document.

3.2 Preliminary Investigation

➤ Our Objectives

- Admin can Add, Delete and Edit records.
- User can learn about various courses.
- User can handle all type of information easily.
- User can contact us at any time, for any query.
- Easy updating, time saving, quick process.
- User can update their sign-up details.
- User can simply apply for admission by filling the admission form.

➤ Platform Specification

We have used windows based developing & graphical based applications; our software will provide support for GUI efficiently. It is must for our system because for our project.

It is very useful and supportive for PHP and Java Script to control the components. There is use of CSS for menu creation and display web page in it. It's easy to use integrity database report with Data Report.

PHP platform is mostly use for developing web-based application, regular version of operating system is used with it. Always need the back-end tool for developing web application with front-end tool.

When starting a new business, organizations have some requirement for it. There are many reasons for starting a new business or modify the old system.

Business requirement set depends on the top-level organization i.e., manager, administrator etc.

3.3 Feasibility Study

A feasibility analysis usually involves a thorough assessment of the operational(need), financial and technical aspects of a proposal.

Feasibility study is the test of the system proposal made to identify whether the user needs may be satisfied using the current software and hardware technologies, whether the system will be cost effective from a business point of view and whether it can be developed with the given budgetary constraints.

A feasibility study should be relatively cheap and done at the earliest possible time.

Depending on the study, the decision is made whether to go ahead with a more detailed analysis.

When a new project is proposed, it normally goes through feasibility assessment.

Feasibility study is carried out to determine whether the proposed system is possible to develop with available resources and what should be the cost consideration.

Facts considered in the feasibility analysis are:

1. Technical Feasibility

Technical feasibility is considered in terms of technical requirements and their availability in the market. It determines whether the current level of technology supports the proposed system or not. The technical possibility of proposed system is as follows:

- The unit does possess the hardware as well as related software for the project.
- The proposed system does not require much technical detail. It just requires window operating system.
- The organization has already purchased all the enough devices for latest technical specifications.
- These technical specifications are easily available in the market.

Hence, the proposed system is technically feasible.

2. Economical Feasibility Study

Economic justification is generally the “Bottom Line” consideration for most systems. It includes a broad range of concerns that includes cost benefit analysis.

In this, we weight the cost and the benefits associated with the candidate system and if it suits the basic purpose of the organization, i.e., profit making, the project is making to the analysis and design phase.

The financial and the economic questions during the preliminary investigation are verified to estimate the following:

- The cost to conduct a full system investigation.
- The cost of hardware and software for the class of application being considered.
- The benefits in the form of reduced cost.
- The proposed system will give the minute information, as a result the performance is improved which in turn may be expected to provide increased profits.

This feasibility checks whether the system can be developed with the available funds. This can be done economically if planned judicially, so it is economically feasible. The cost of project depends upon the number of man hours required.

3. Operational Feasibility Study

It is mainly related to human organizations and political aspects. The points to be considered are:

- What changes will be brought with the system?
- What organization structures are disturbed?
- What new skills will be required?
- Do the existing staff members have these skills? If not, can they be trained in due course of time?

The system is operationally feasible as it very easy for the users to operate it. It only needs basic information about Windows platform.

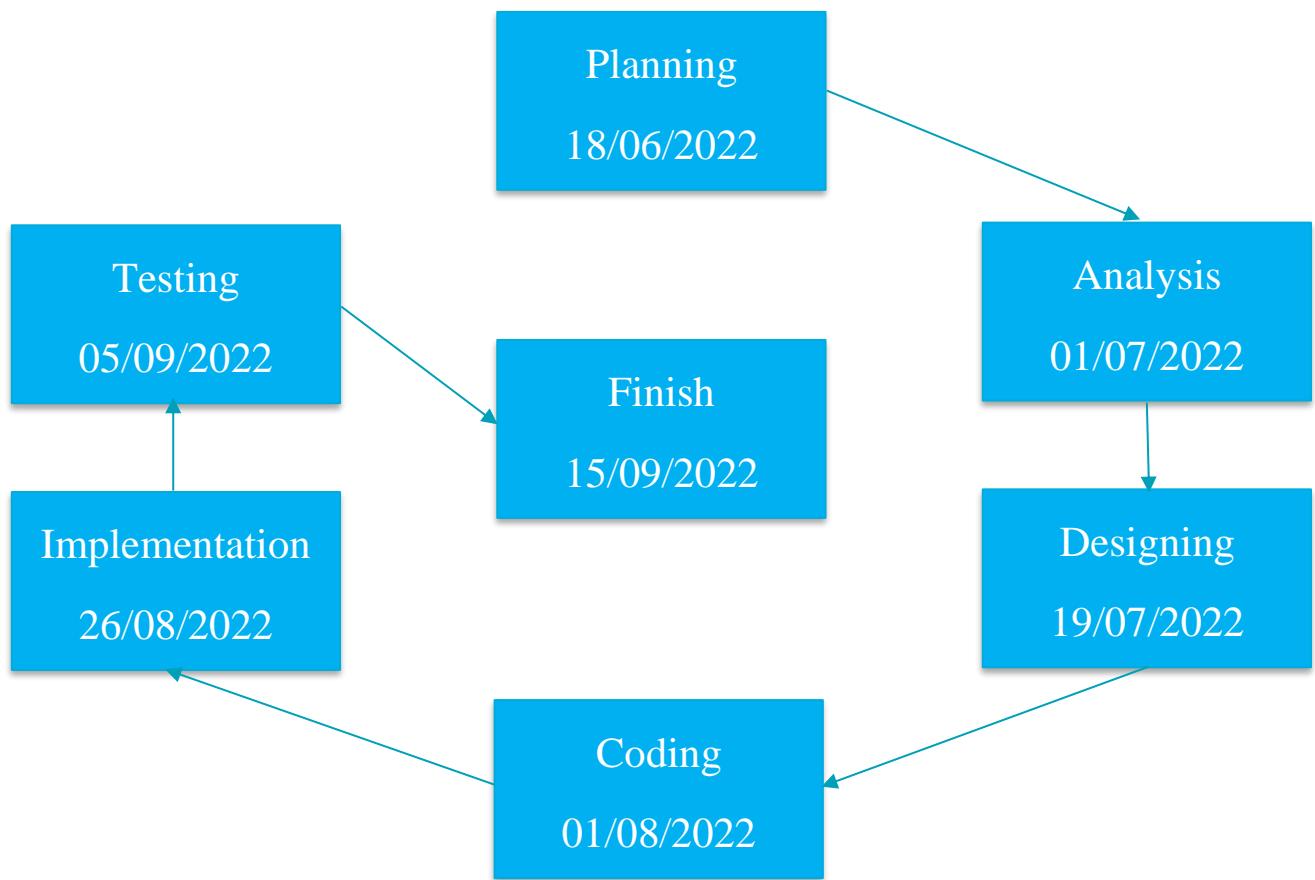
3.4 Project Planning

No.	Task Name	Start	Finish	Duration
1	Planning	18/06/2022	30/06/2022	1.6 Week
2	Analysis	01/07/2022	18/07/2022	2.4 Week
3	Designing	19/07/2022	31/07/2022	1.6 Week
4	Coding	01/08/2022	25/08/2022	3.4 Week
5	Implementation	26/08/2022	04/09/2022	1.3 Week
6	Testing	05/09/2022	15/09/2022	1.4 Week
<u>Total = 90 Days</u>				

3.5 Project Scheduling

➤ Pert Chart

This chart represents the development of our system date wise.



➤ Gantt Chart

This is a graphical representation of the date wise development of our project system. It is very similar to the PERT chart except that it is represented graphically.

ID	Task Name	June 22	July 22	Aug 22	Sept 22
1	Planning	18 June – 30 June			
2	Analysis		01 July - 18 July		
3	Designing			19 July - 31 July	
4	Coding			01 Aug - 25 Aug	
5	Implementation				26 Aug - 04 Sep
6	Testing				05 Sep - 15 Sep

3.6 Software Requirement

➤ PHP

PHP is a widely-used general-purpose scripting language that is especially suited for Web development and can be embedded into HTML. It generally runs on a web server, taking PHP code as its input and creating Web pages as output. However, it can also be used for command-line scripting and client-side GUI applications.

PHP can be deployed on most web servers and on almost every operating system and platform free of charge.

PHP Group also provides the complete source code for users to build, customize and extend for their own use.

PHP primarily acts as a filter. The PHP program takes input from a file or stream containing text and special PHP instructions and outputs another stream of data for display.

From PHP 4, the PHP parser compiles input to produce byte code for processing by the Send Engine, giving improved performance over its interpreter predecessor. PHP 5 uses the Send Engine II. Originally designed to create dynamic web pages, PHP's principal focus is server-side scripting.

➤ MySQL

- MySQL is a database management system:

A database is a structured collection of data. It may be anything from a simple shopping list to a picture gallery or the vast amounts of information in a corporate network. To add, access, and process data stored in a computer database, you need a database management system such as MySQL Server.

Since computers are very good at handling large amounts of data, database management systems play a central role in computing, as standalone utilities, or as parts of other applications.

- MySQL software is Open Source:

Open-Source means that it is possible for anyone to use and modify the software. Anybody can download the MySQL software from the Internet and use it without paying anything. If you wish, you may study the source code and change it to suit your needs.

The MySQL software uses the GPL (GNU General Public License), <http://www.fsf.org/licenses/>, to define what you may and may not do with the software in different situations. If you feel uncomfortable with the GPL or need to embed MySQL code into a commercial application, you can buy a commercially licensed version from us. The MySQL Database Server is very fast, reliable, scalable, and easy to use. MySQL Server works in client/server or embedded systems.

- MySQL databases are relational:

A relational database stores data in separate tables rather than putting all the data in one big storeroom. The database structures are organized into physical files optimized for speed. The logical model, with objects such as databases, tables, views, rows, and columns, offers a flexible programming environment.

You set up rules governing the relationships between different data fields, such as one-to-one, one-to-many, unique, required or optional, and “pointers” between different tables. The database enforces these rules, so that with a well-designed database, your application never sees inconsistent, duplicate, orphan, out-of-date, or missing data.

The SQL part of “MySQL” stands for “Structured Query Language”. SQL is the most common standardized language used to access databases.

Depending on your programming environment, you might enter SQL directly (for example, to generate reports), embed SQL statements into code written in another language, or use a language-specific API that hides the SQL syntax.

SQL is defined by the ANSI/ISO SQL Standard. The SQL standard has been evolving since 1986 and several versions exist.

➤ Java Script

- **JavaScript Origins:**

JavaScript was released by Netscape and Sun Microsystems in 1995. However, JavaScript is not the same thing as Java.

- It is a programming language.
- It is an interpreted language.
- It is object-based programming.
- It is widely used and supported.
- It is accessible to the beginner.

- **Uses of JavaScript:**

Use it to add multimedia elements With JavaScript you can show, hide, change, resize images, and create image rollovers. You can create scrolling text across the status bar.

Create pages dynamically Based on the user's choices, the date, or other external data, JavaScript can produce pages that are customized to the user.

➤ HTML

HTML is the standard Mark-up language for creating web pages and CSS and JavaScript it forms a triad of cornerstone technologies for the WWW.

Web browsers receive HTML documents from a web server or from local storage and render them into multimedia web pages.

HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

Hyper Text Mark-up Language (HTML) can embed programs written in a scripting language such as JavaScript which affect the behavior and content of web pages.

Inclusion of CSS defines the look and layout of content. The World Wide Web Consortium (W3C), maintainer of both the HTML and the CSS standards, has encouraged the use of CSS over explicit presentational HTML since 1997.

➤ CSS

Cascading Style Sheet (CSS) is a Style sheet language used for describing the presentation of a document written in a Mark-up language.

Although most often used to set the visual style of web pages and user interfaces written in HTML and XHTML, the language can be applied to any XML document, including plain XML, SVG and XUL, and is applicable to rendering in speech, or on other media.

Along with HTML and JavaScript, CSS is a cornerstone technology used by most websites to create visually engaging web pages, user interfaces for web applications, and user interfaces for many mobile applications.

CSS is designed primarily to enable the separation of presentation and content, including aspects such as the layout, colors, and fonts.

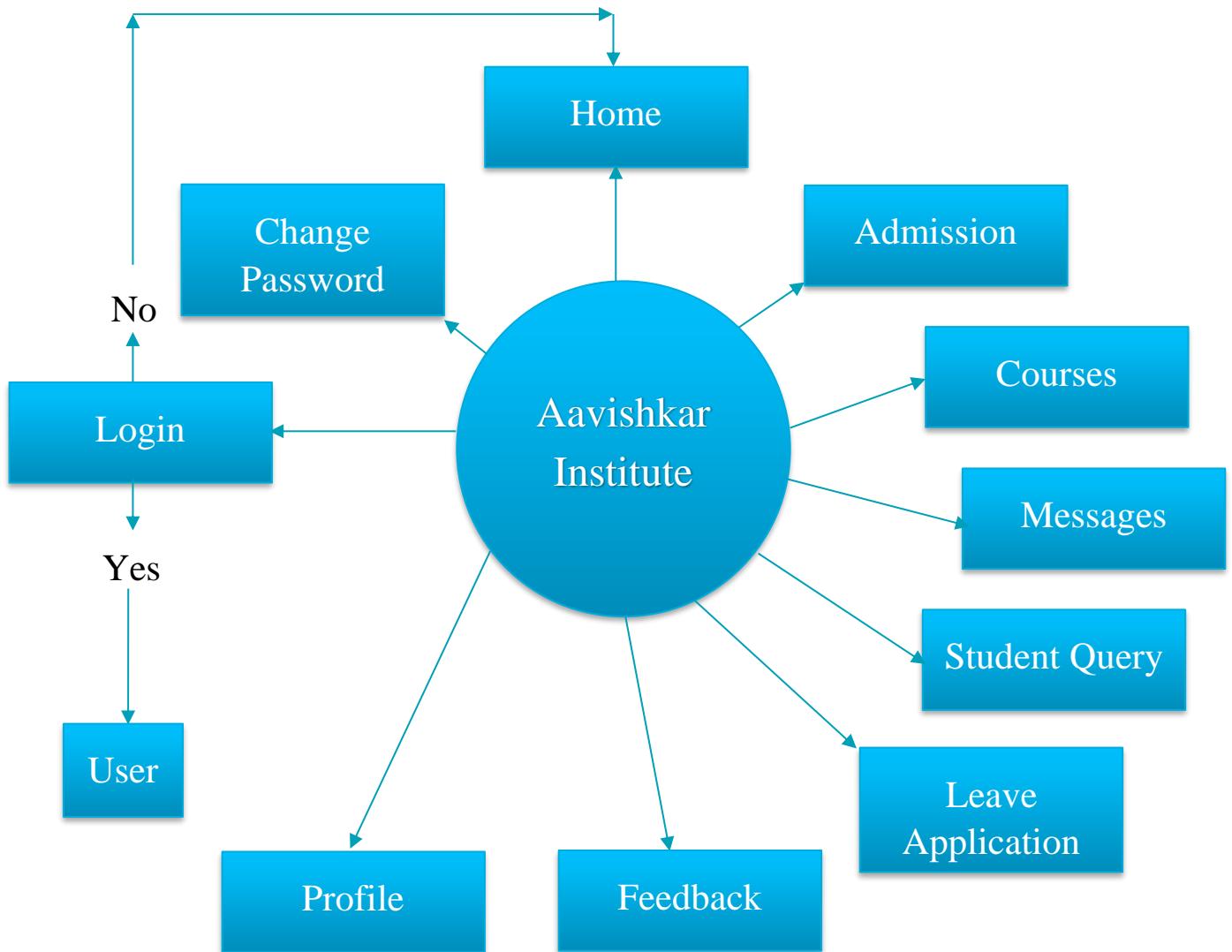
3.7 Data Models

➤ Data Flow Diagram

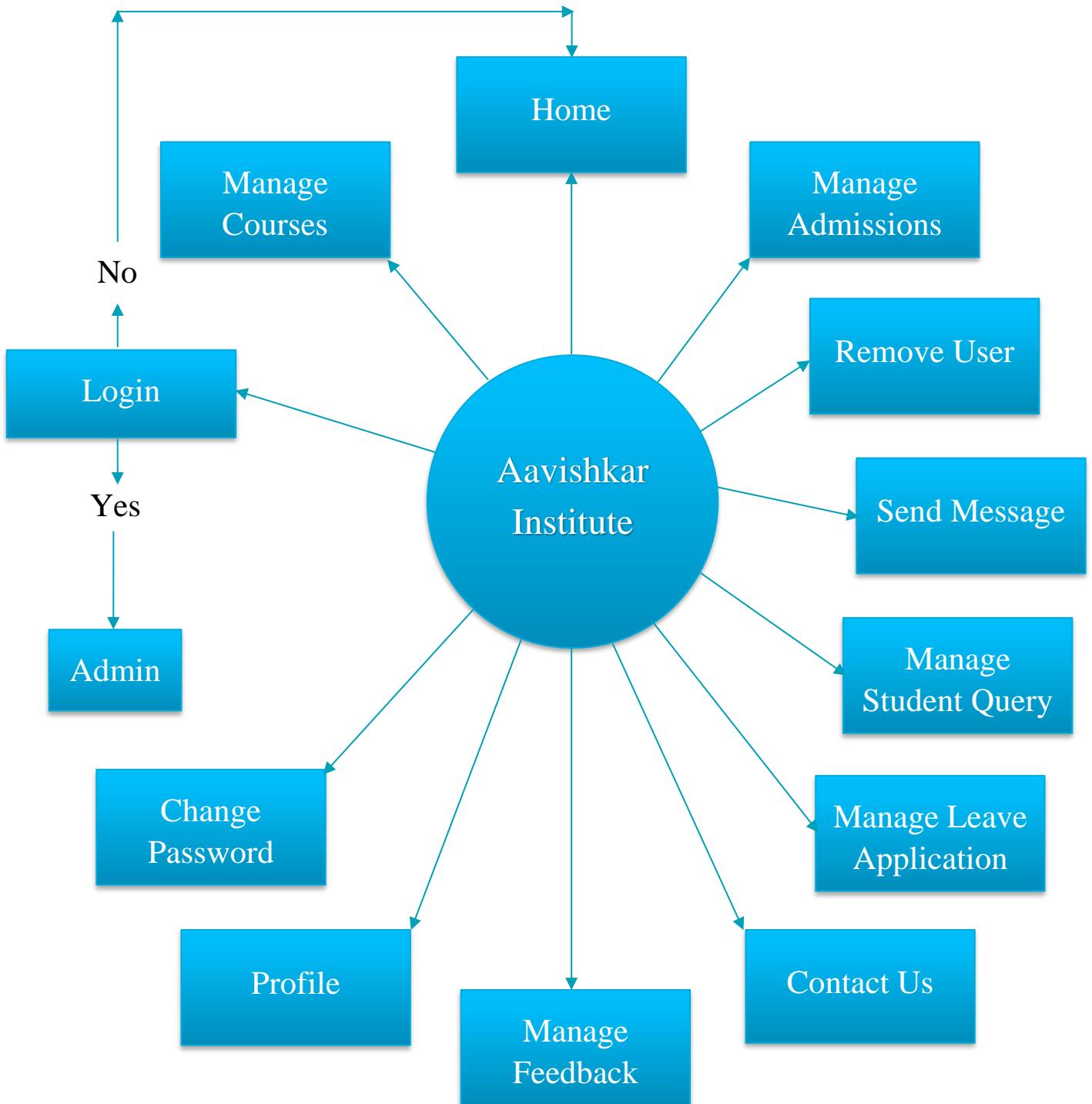
1. 0-Level Visitor Data Flow Diagram:



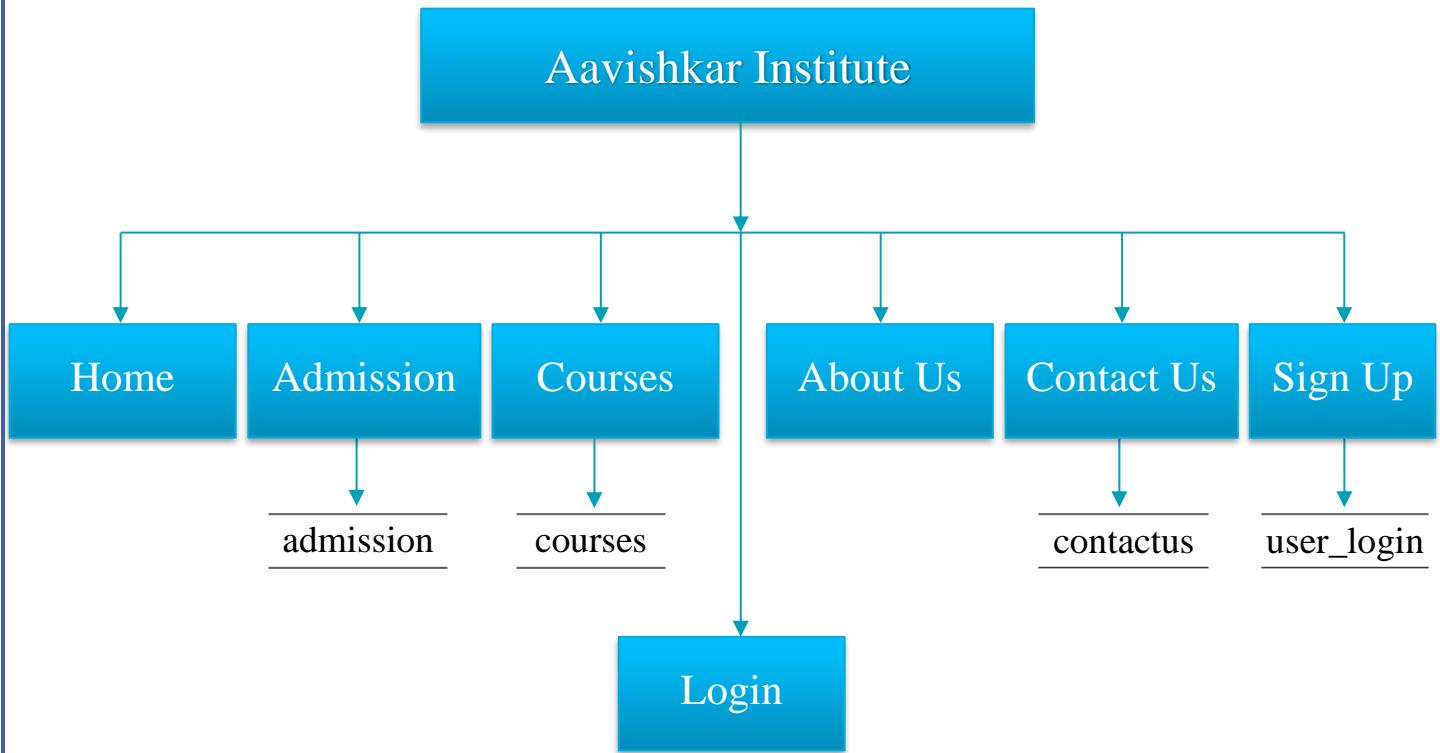
2. 0-Level User Data Flow Diagram:



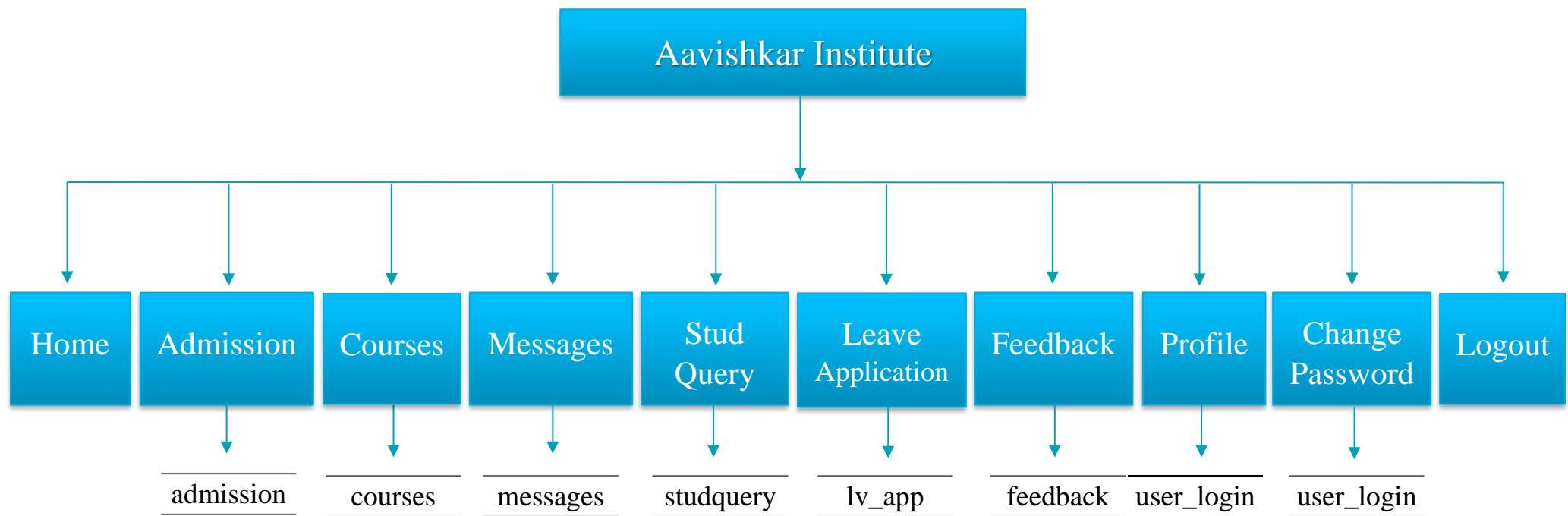
3. 0-Level Admin Data Flow Diagram:



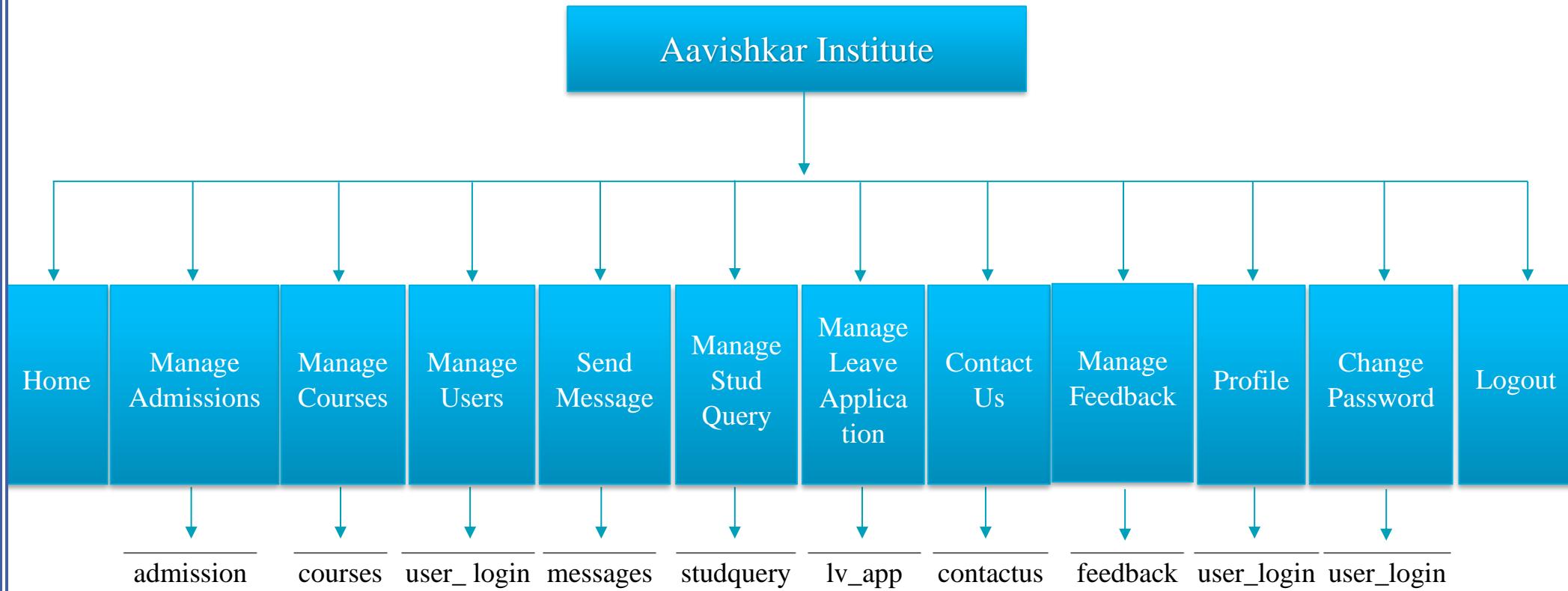
1. 1-Level Visitor Data Flow Diagram:



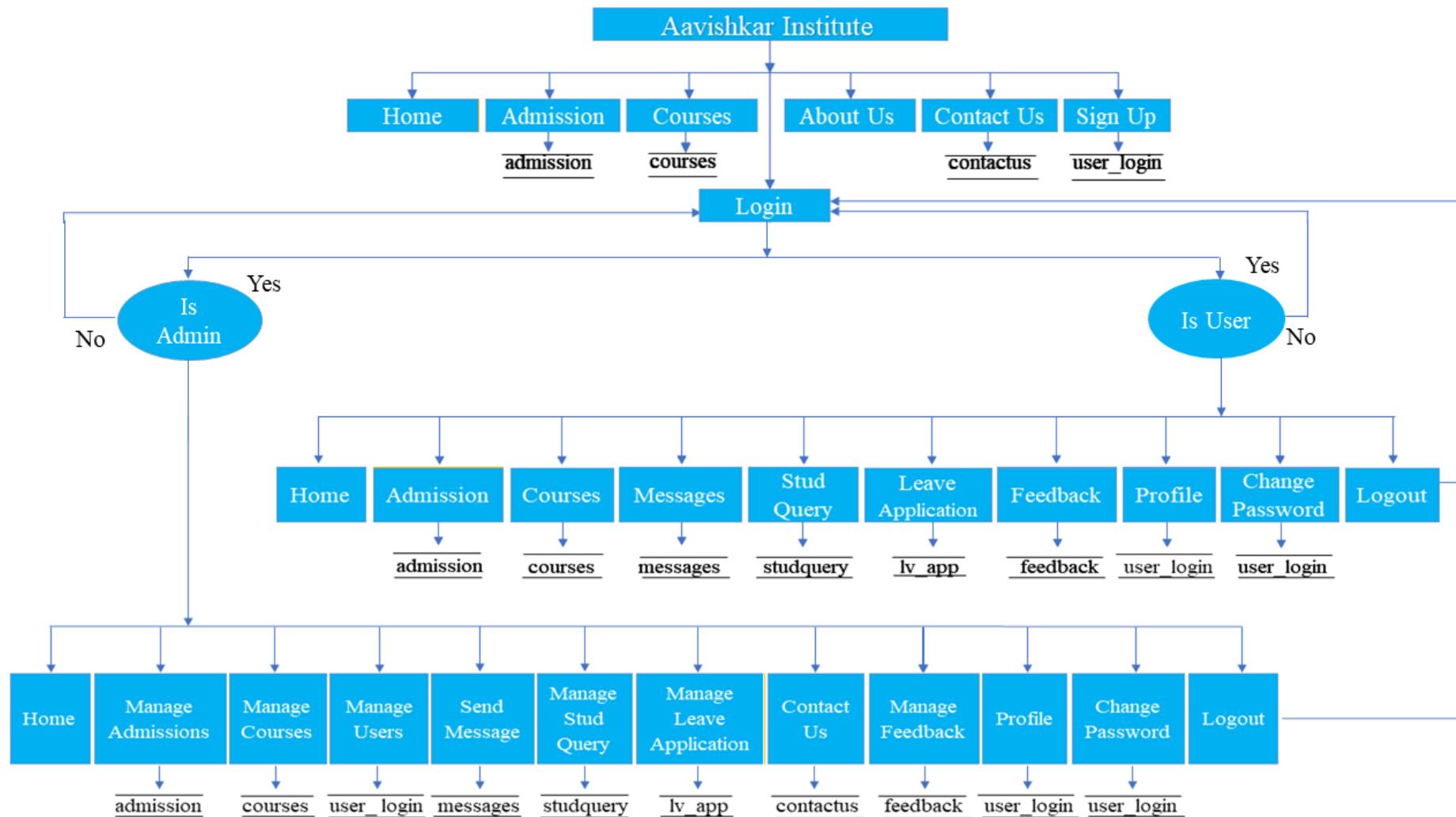
2. 1-Level User Data Flow Diagram:



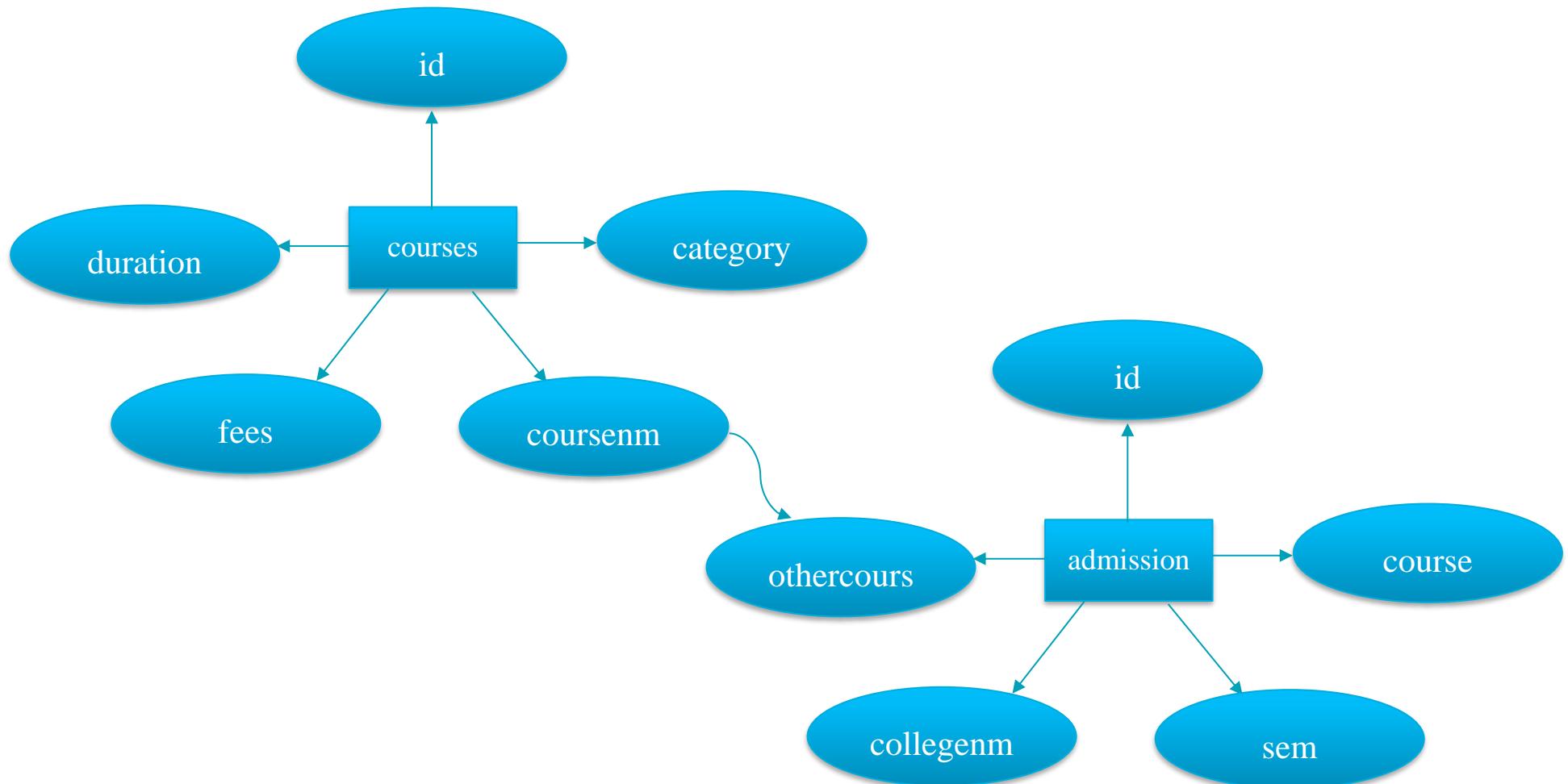
3. 1-Level Admin Data Flow Diagram:



1. Context-Level Visitor, User, Admin Data Flow Diagram:

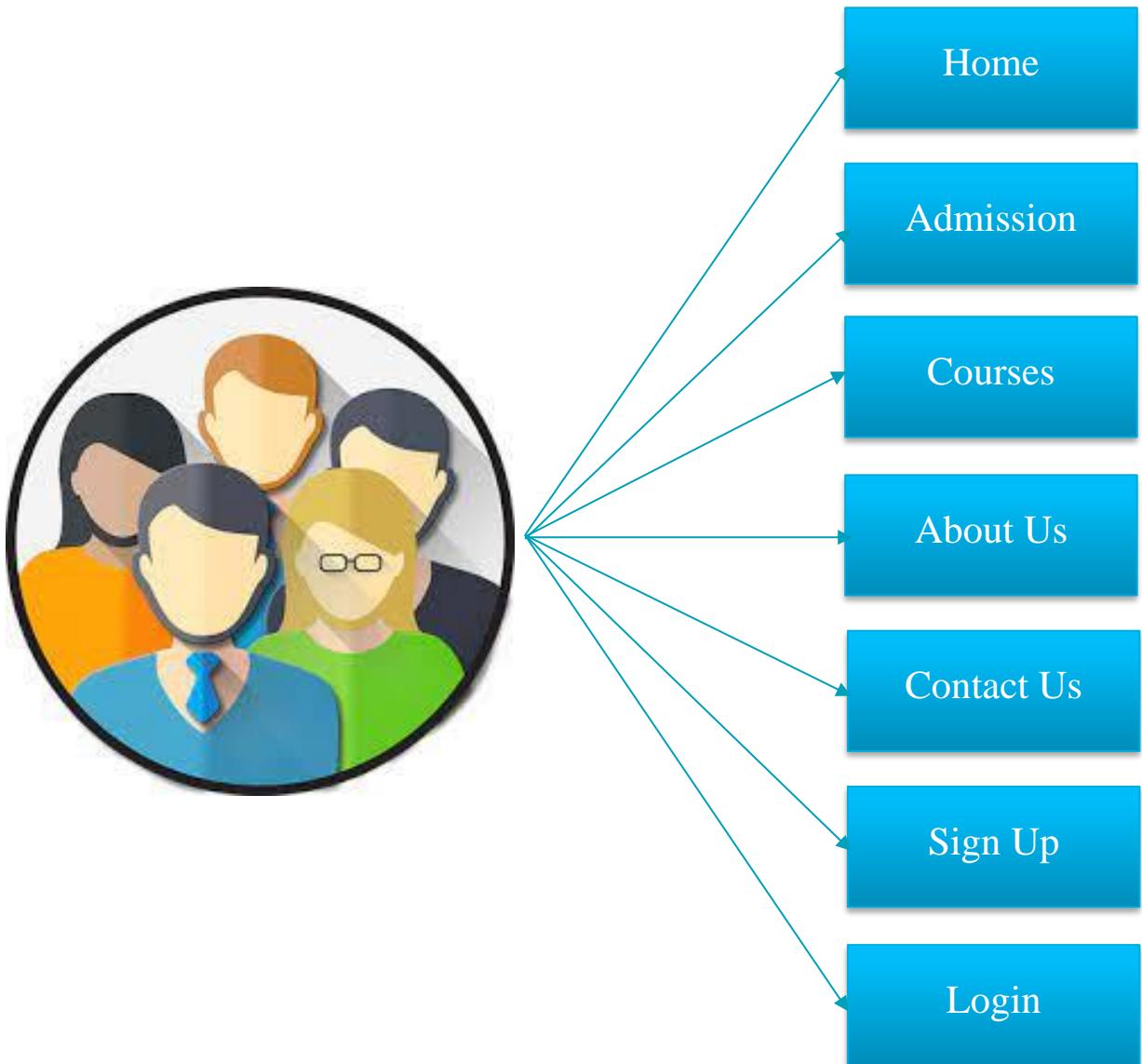


➤ ER Diagram

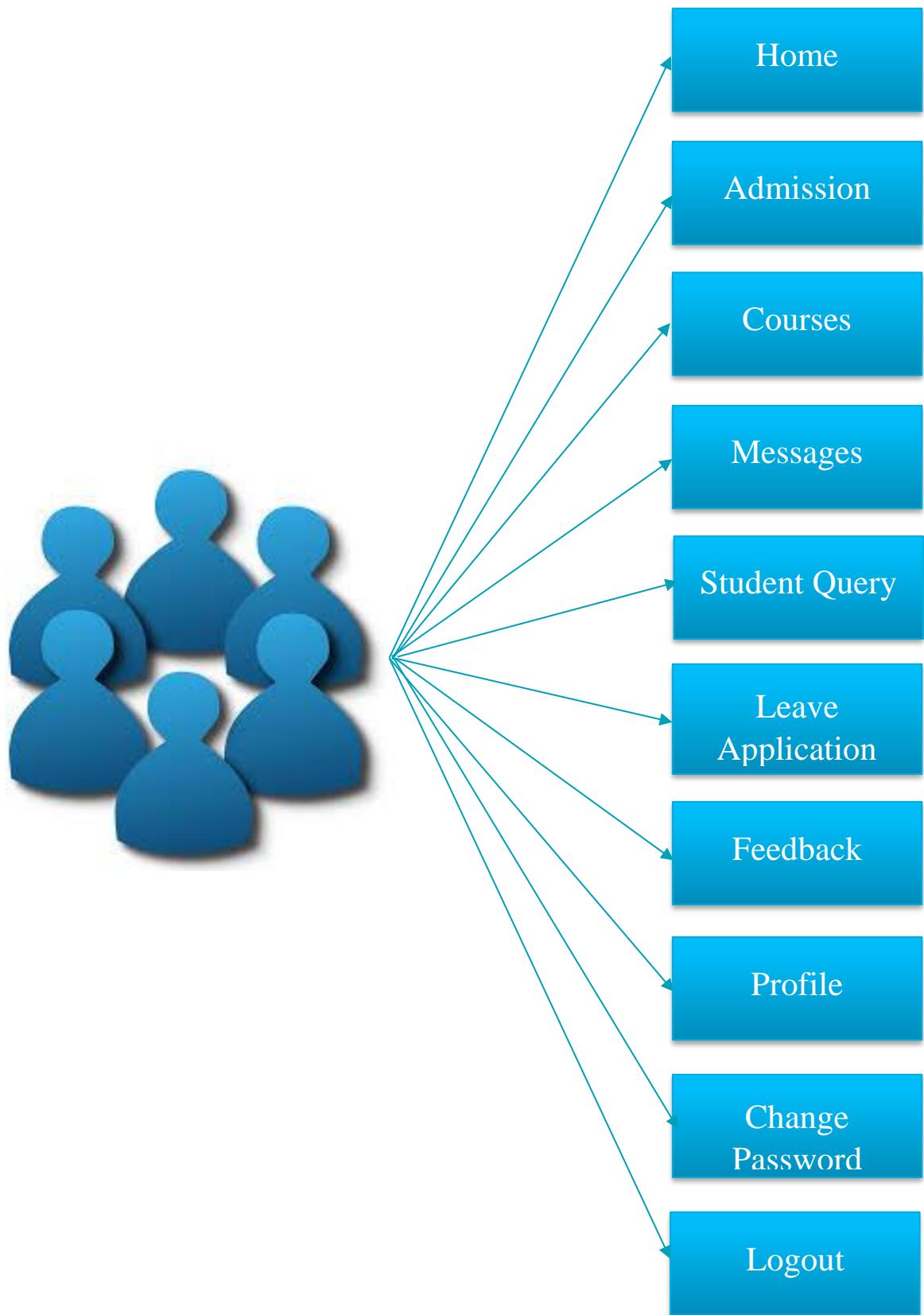


➤ Use Case Diagram

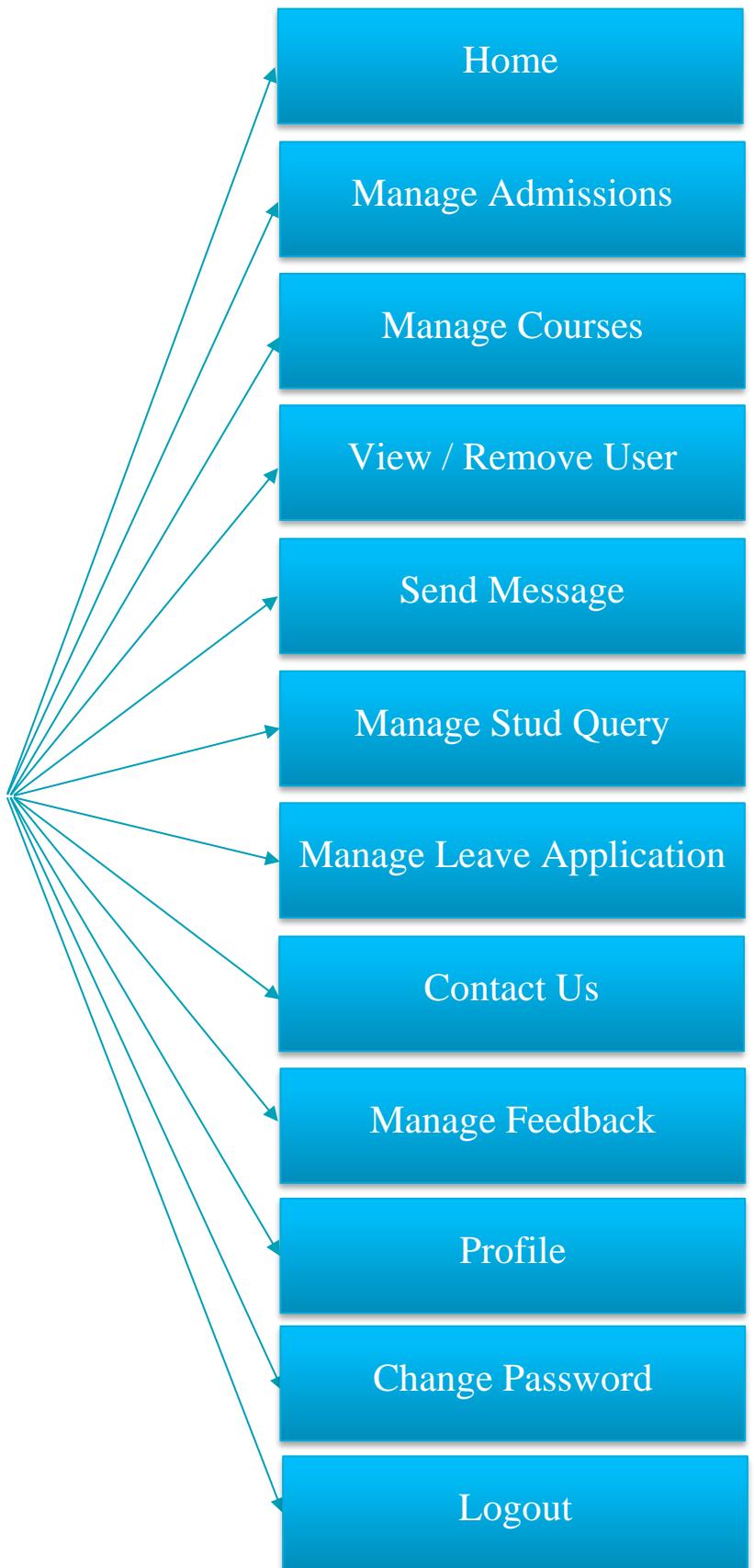
1. Visitor Use Case Diagram:



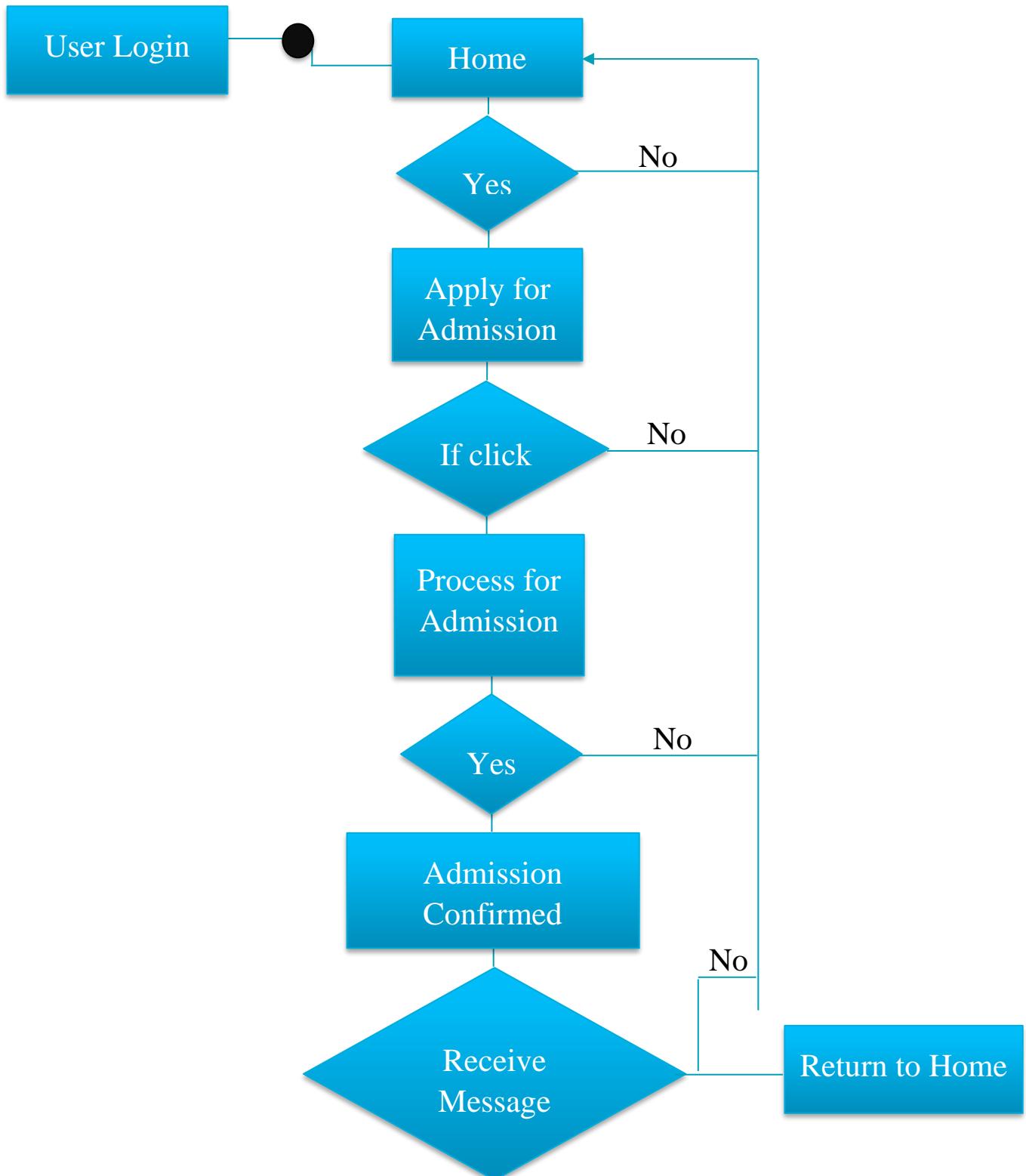
2. User Use Case Diagram:



3. Admin Use Case Diagram:



➤ Activity Diagram



3.8 Normalization

- Normalization rules are divided into following normal forms:

1. First Normal Form (1NF)

As per First Normal Form, no two rows of data can contain repeating group of information id, each set of columns must have a unique value, such that multiple columns cannot be used to fetch the same row. Each table should be organized into rows, and each row should have a primary key that distinguishes it as unique.

The Primary key is usually a single column, but sometimes more than one column can be combined to create a single primary key. For example, consider a table which is not in First normal form.

2. Second Normal Form (2NF)

As per the Second Normal Form there must not be any partial dependency of any column on primary key. It means that for a table that has concatenated primary key, each column in the table that is not part of the primary key must depend upon the entire concatenated key for its existence. If any column depends only on one part of the concatenated key, then the table fails Second normal form.

In User Table the candidate key will be column. Now, both the above tables qualify for Second Normal Form and will never suffer from update anomalies. Although there are a few complex cases in which table in Second Normal Form suffers update anomalies, and to handle those scenarios Third Normal Form is there.

3. Third Normal Form (3NF)

Third Normal form applies that every non-prime attribute of table must be dependent on primary key, or we can say that, there should not be the case that a non-prime attribute is determined by another non-prime attribute. So, this transitive functional dependency should be removed from the table and also the table must be in Second Normal form. For example, consider a table with following fields.

In this table User id is Primary key, but first name, last name and email depends upon mobile. The dependency between mobile and other fields is called transitive dependency. Hence to apply 3NF, we need to move the first name, last name and email to new table with mobile as primary key.

The advantage of removing transitive dependency is:

- Amount of data duplication is reduced.
- Data integrity is achieved.

CHAPTER:4

System Design

4.1 Tables Detail

4.2 Database Structure

4.3 Visitor Interface

4.4 User Interface

4.5 Admin Interface

4.6 Source Code

4.1 Tables Detail

➤ Visitor Side Table:

1. user_login

#	Name	Type
1	id 	int(100)
2	fnm	varchar(100)
3	lnm	varchar(100)
4	email	varchar(100)
5	mno	varchar(50)
6	password	varchar(50)
7	usertype	varchar(50)

2. courses

#	Name	Type
1	id 	int(100)
2	category	varchar(500)
3	coursenm	varchar(500)
4	fees	varchar(500)
5	duration	varchar(500)

3. contactus

#	Name	Type
1	id 	int(100)
2	name	varchar(500)
3	email	varchar(50)
4	mno	varchar(50)
5	message	varchar(1000)
6	dt_time	datetime

➤ User Side Table:

1. user_login

#	Name	Type
1	id 	int(100)
2	fnm	varchar(100)
3	lnm	varchar(100)
4	email	varchar(100)
5	mno	varchar(50)
6	password	varchar(50)
7	usertype	varchar(50)

2. courses

#	Name	Type
1	id 	int(100)
2	category	varchar(500)
3	coursenm	varchar(500)
4	fees	varchar(500)
5	duration	varchar(500)

3. admission

#	Name	Type
1	id 	int(100)
2	fnm	varchar(100)
3	lnm	varchar(100)
4	fathernm	varchar(100)
5	dob	varchar(50)
6	gender	varchar(50)
7	adhaarno	varchar(50)
8	photo	varchar(50)
9	parentprof	varchar(100)
10	codept	varchar(500)
11	designation	varchar(100)
12	address	varchar(500)
13	whatsappno	varchar(50)
14	email	varchar(500)
15	studmno	varchar(50)
16	pmno	varchar(50)
17	lastexam	varchar(100)
18	yrofpassing	varchar(50)
19	instnm	varchar(100)
20	pr	varchar(50)
21	std	varchar(50)
22	schoolnm	varchar(100)
23	course	varchar(100)
24	sem	varchar(50)
25	collegenm	varchar(100)
26	othercourse	varchar(100)
27	status	varchar(50)
28	date	date

4. studquery

	#	Name	Type
<input type="checkbox"/>	1	id 	int(100)
<input type="checkbox"/>	2	name	varchar(100)
<input type="checkbox"/>	3	email	varchar(50)
<input type="checkbox"/>	4	mno	varchar(50)
<input type="checkbox"/>	5	query	varchar(1000)
<input type="checkbox"/>	6	reply	varchar(1000)

5. lv_app

	#	Name	Type
<input type="checkbox"/>	1	id 	int(100)
<input type="checkbox"/>	2	name	varchar(500)
<input type="checkbox"/>	3	email	varchar(50)
<input type="checkbox"/>	4	mno	varchar(50)
<input type="checkbox"/>	5	subject	varchar(1000)
<input type="checkbox"/>	6	from_dt	varchar(500)
<input type="checkbox"/>	7	to_dt	varchar(500)
<input type="checkbox"/>	8	lv_reason	varchar(1000)
<input type="checkbox"/>	9	status	varchar(50)

6. messages

	#	Name	Type
<input type="checkbox"/>	1	id 	int(100)
<input type="checkbox"/>	2	subject	varchar(500)
<input type="checkbox"/>	3	message	varchar(500)
<input type="checkbox"/>	4	date	date

7. feedback

	#	Name	Type
<input type="checkbox"/>	1	id 	int(100)
<input type="checkbox"/>	2	name	varchar(100)
<input type="checkbox"/>	3	email	varchar(50)
<input type="checkbox"/>	4	mno	varchar(50)
<input type="checkbox"/>	5	feedback	varchar(1000)
<input type="checkbox"/>	6	dt_time	datetime

➤ Admin Side Table:

1. user_login

#	Name	Type
1	id 	int(100)
2	fnm	varchar(100)
3	Inm	varchar(100)
4	email	varchar(100)
5	mno	varchar(50)
6	password	varchar(50)
7	usertype	varchar(50)

2. courses

#	Name	Type
1	id 	int(100)
2	category	varchar(500)
3	coursenm	varchar(500)
4	fees	varchar(500)
5	duration	varchar(500)

3. admission

#	Name	Type
1	id 	int(100)
2	fnm	varchar(100)
3	lnm	varchar(100)
4	fathernm	varchar(100)
5	dob	varchar(50)
6	gender	varchar(50)
7	adhaarno	varchar(50)
8	photo	varchar(50)
9	parentprof	varchar(100)
10	codept	varchar(500)
11	designation	varchar(100)
12	address	varchar(500)
13	whatsappno	varchar(50)
14	email	varchar(500)
15	studmno	varchar(50)
16	pmno	varchar(50)
17	lastexam	varchar(100)
18	yrofpassing	varchar(50)
19	instnm	varchar(100)
20	pr	varchar(50)
21	std	varchar(50)
22	schoolnm	varchar(100)
23	course	varchar(100)
24	sem	varchar(50)
25	collegenm	varchar(100)
26	othercourse	varchar(100)
27	status	varchar(50)
28	date	date

4. messages

	#	Name	Type
<input type="checkbox"/>	1	id 	int(100)
<input type="checkbox"/>	2	subject	varchar(500)
<input type="checkbox"/>	3	message	varchar(500)
<input type="checkbox"/>	4	date	date

5. studquery

	#	Name	Type
<input type="checkbox"/>	1	id 	int(100)
<input type="checkbox"/>	2	name	varchar(100)
<input type="checkbox"/>	3	email	varchar(50)
<input type="checkbox"/>	4	mno	varchar(50)
<input type="checkbox"/>	5	query	varchar(1000)
<input type="checkbox"/>	6	reply	varchar(1000)

6. lv_app

	#	Name	Type
<input type="checkbox"/>	1	id 	int(100)
<input type="checkbox"/>	2	name	varchar(500)
<input type="checkbox"/>	3	email	varchar(50)
<input type="checkbox"/>	4	mno	varchar(50)
<input type="checkbox"/>	5	subject	varchar(1000)
<input type="checkbox"/>	6	from_dt	varchar(500)
<input type="checkbox"/>	7	to_dt	varchar(500)
<input type="checkbox"/>	8	lv_reason	varchar(1000)
<input type="checkbox"/>	9	status	varchar(50)

7. contactus

	#	Name	Type
<input type="checkbox"/>	1	id 	int(100)
<input type="checkbox"/>	2	name	varchar(500)
<input type="checkbox"/>	3	email	varchar(50)
<input type="checkbox"/>	4	mno	varchar(50)
<input type="checkbox"/>	5	message	varchar(1000)
<input type="checkbox"/>	6	dt_time	datetime

8. feedback

#	Name	Type
1	id 	int(100)
2	name	varchar(100)
3	email	varchar(50)
4	mno	varchar(50)
5	feedback	varchar(1000)
6	dt_time	datetime

4.2 Database Structure

Table	Action
admission	Browse Structure Search Insert Empty Drop
contactus	Browse Structure Search Insert Empty Drop
courses	Browse Structure Search Insert Empty Drop
feedback	Browse Structure Search Insert Empty Drop
lv_app	Browse Structure Search Insert Empty Drop
messages	Browse Structure Search Insert Empty Drop
studquery	Browse Structure Search Insert Empty Drop
user_login	Browse Structure Search Insert Empty Drop

4.3 Visitor Interface

1. Home Page: This is home page for visitor.

Aavishkar Institute

Home Admission Courses About Us Contact Us Login Sign Up

Welcome To Aavishkar Institute

WHY US

One step ahead in technology.
Complete syllabus coverage and best faculties.
Weekly exam program.
Personal guidance by experts.
Disciplined atmosphere.
Using state of the art of the infrastructure and visualization facilities with AC class rooms.
We provide curriculums and co-curriculums activities for overall development.
Providing institute topper is our motto.
Above all we provide best education in reasonable fees.

OUR TEAM

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sharma03.ms@gmail.com

FREQUENTLY ASKED QUESTIONS

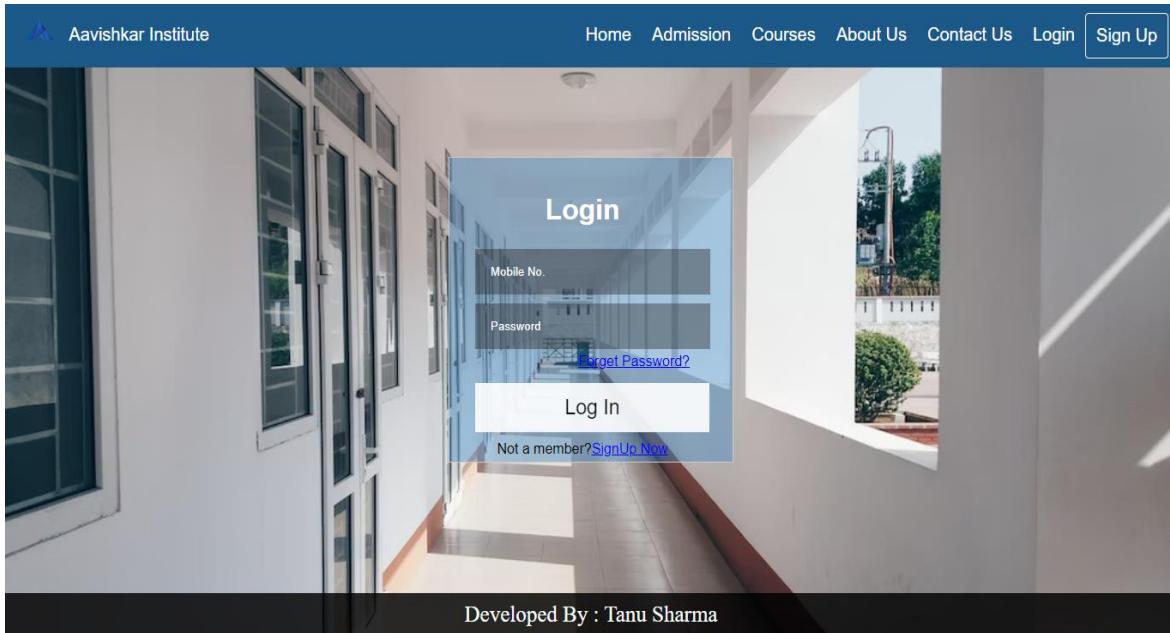
1. Is Aavishkar an English medium, co-educational institute?
Yes, Aavishkar is an English medium co-educational institute.
2. What is the medium of instruction?
English is the medium of instruction at Aavishkar. We also respect everyone's mother tongue.
3. What are the various mode of payment accepted here?
You can make payment via Cash, Cheques.
4. Which is the nearest landmark?
You can easily locate the establishment as it is in close proximity at 2nd floor, JP Mall, Mahatma Gandhi Road, Indore.
5. What are its hours of operation?
The establishment is functional on Monday to Saturday 8:00 AM - 8:00 PM and on Sunday 9:00 AM - 12:00 PM.

CONTACT US

Mobile: 9996348876
Email: sharma11.ts@gmail.com
Address: 2nd floor, JP Mall, Mahatma Gandhi Road, Indore, Madhya Pradesh-452001

Developed By : Tanu Sharma

2. Admission Page: User must login to apply for admission.



3. Courses Page: Visitor can see courses information.

Category	Course	Fees	Duration
HSC (General)	11th & 12th	40,000	2 years
UG	BCA	90,000	3 years
PG	MCA	1,20,000	2 years
Basic Course	MS-Office	6,000	2 months
Graphics Designing	PageMaker, CorelDRAW, Photoshop	10,000	6 months
Web Designing	HTML	3,000	1 month
Web Designing	CSS	8,000	5 months
Web Deigning	JavaScript	10,000	2 months
Programming Language	C Language	4,000	1.5 months
Programming Language	C++	5,000	2 months
Programming Language	C#	4,000	1 month
Programming Language	Java	6,000	4 months
Programming Language	Python	2,000/pm	3-6 months
Programming Language	Android	7,000	3 months
Programming Language	Node.js	6,000	3 months
Programming Language	React.js	4 months	8,000
Programming Language	Angular.js	6,000	2.5 months
Database	Oracle	5,000	1 month
Database	MySQL	5,000	2-3 months
Database	SQL Server	5,000	1.5 months
Database	MongoDB	5,000	1 month
Web Programming	PHP with MySQL	6,000	2-3 months
Web Programming	ASP.Net	5,000	1 month
Web Programming	JSP	5,000	1 month

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4. About Us Page: This page describes about “Aavishkar Institute”.

We established in the year 2002 with a purpose of various length and breadth in Education at Indore, Madhya Pradesh, India. We have academic excellence in Commerce and Computer Education. We are providing high-class standards for Education. At present Aavishkar Institute is considered as one of the "Esteemed Centers" of learning. We are running long term projects and pilot plans in various Section of Commerce and Computers. Our efforts are always towards the better carrier for students. To colorized it we are arranging various Seminars, Conferences, Lectures of experts and various tours. We are specialized to built Carrier in standard 11th and 12th Commerce (English Medium), B.C.A., M.C.A., various Computer Courses like Financial Accounting - Tally(Authorized Tally Learning Center), Graphics, Web Designing, etc.. Our number of the students by completing their Academic Carrier and Computer Courses achieved higher post in various section of the society.

Our Vision

- To Be Most Trustable And Admired Brand in the Education Sector.
- Empowering our Students to thrive in life.
- To Promote the Students to follow their Dreams and Help them to Achieve the same.

Our Mission

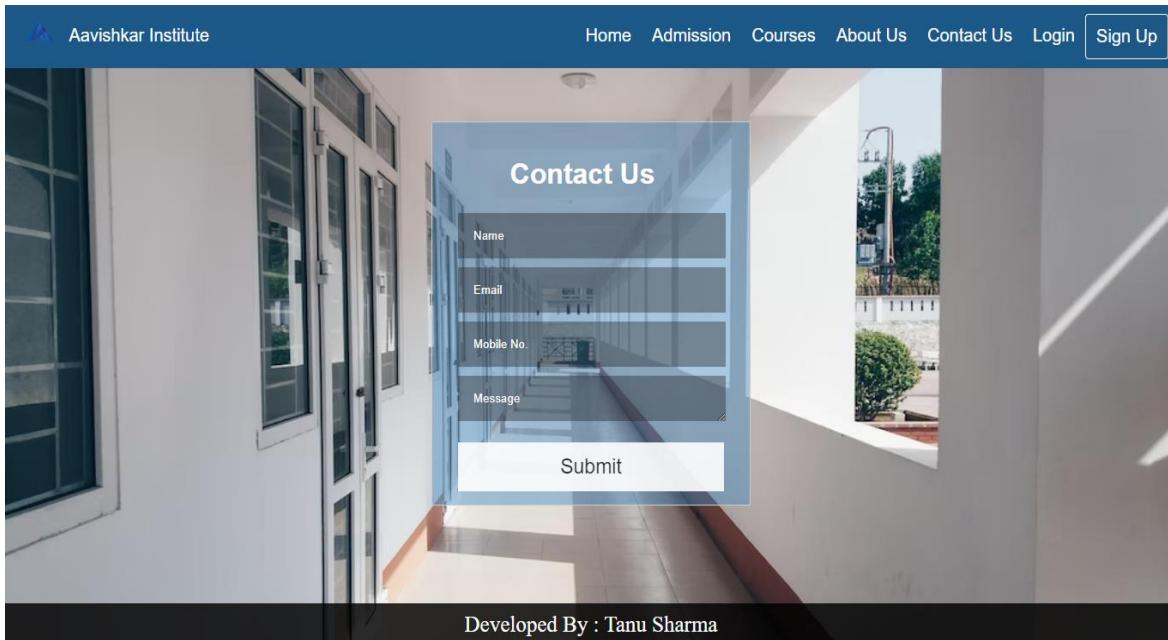
- Honesty Towards Students, Parents, Society, and Nation.
- To provide Quality Education.
- The Competence of our Methodologies and Systems.

Our Values

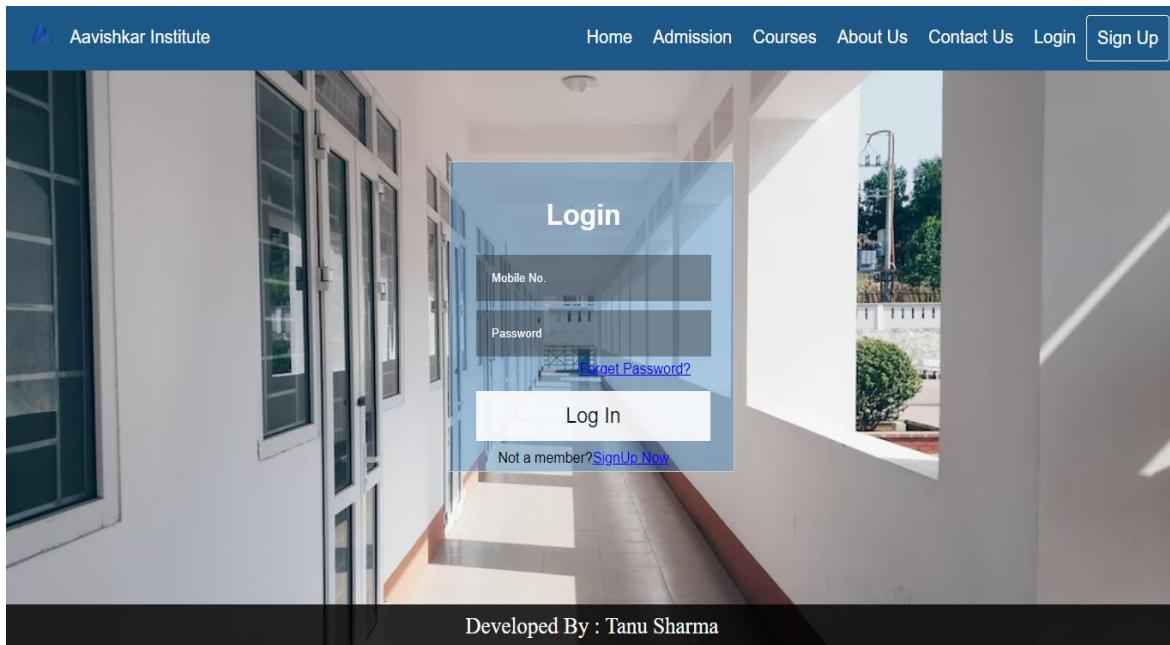
- Pursue Growth and Learning
- Moral Development
- Foster Collaboration and Innovation
- Do More With Less

Developed By : Tanu Sharma

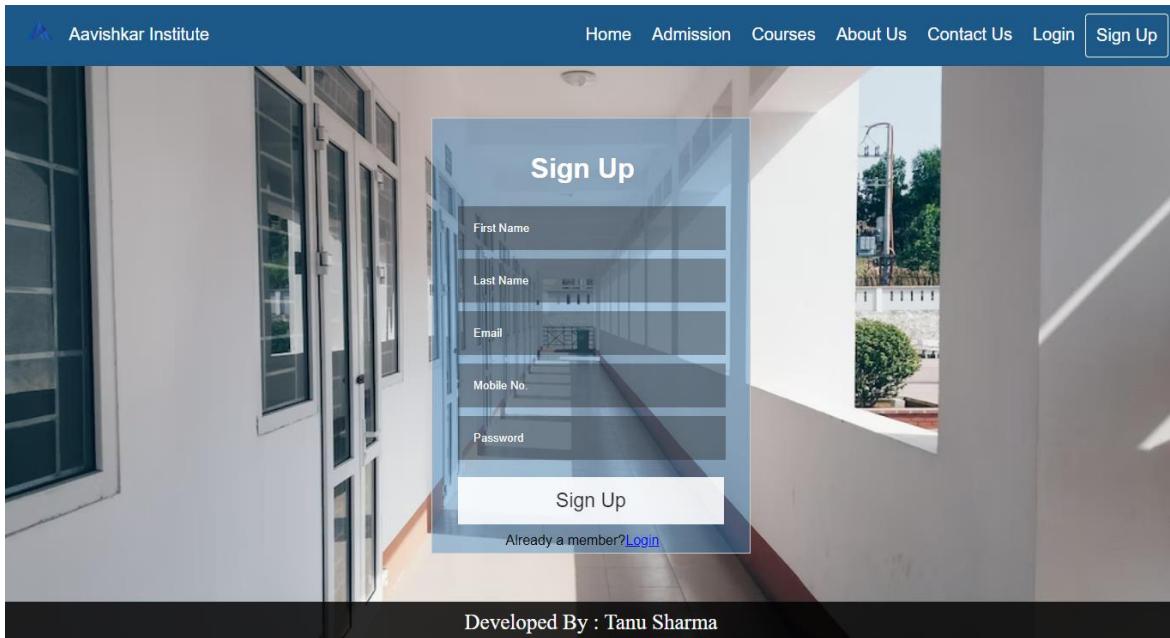
5. Contact Us Page: Visitor can contact the institute.



6. Login Page: Existing user can simply login with his mobile no. and password.



7. Sign Up Page: New user can simply sign up by providing required details.

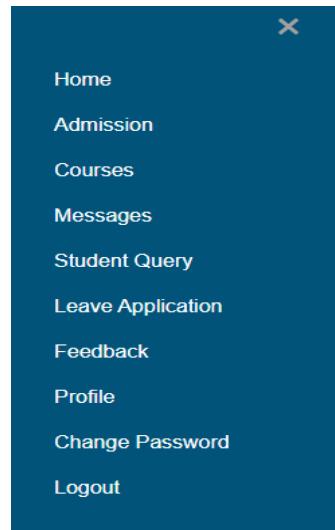


4.4 User Interface

1. Home Page: After user login, a home page is displayed.



On header ,there's a menu button. User can open it and go to the particular page.



Developed By: Tanu Sharma

2. Admission Page: Here user can apply for admission.

Aavishkar Institute

Admission Form

First Name	Last Name		
<input type="text"/>	<input type="text"/>		
Father's Name	DOB		
<input type="text"/>	<input type="text"/> dd-mm-yyyy		
Gender	Photo		
<input type="radio"/> Female	<input type="radio"/> Male	<input type="radio"/> Other	<input type="file"/>
Adhaar Number	Parent's Profession		
<input type="text"/>	<input type="text"/>		
Company/Dept. Name	Designation		
<input type="text"/>	<input type="text"/>		
Address	Email		
<input type="text"/>	<input type="text"/>		
Whatsapp No.	Parent's Mobile No.		
<input type="text"/>	<input type="text"/>		
Student's Mobile No.	Year of Passing		
<input type="text"/>	<input type="text"/>		
Last(Appeared/Passed Exam)	Percentage		
<input type="text"/>	<input type="text"/>		
Name of Institute			
Commerce			
Standard	<input type="radio"/> 11 th & 12 th	<input type="radio"/> 12 th	
School Name	<input type="text"/>	<input type="radio"/> BCA	
Other Courses	<input type="text"/>	<input type="radio"/> MCA	
<input type="button" value="select course"/>			
Computer			
Course	<input type="radio"/> BCA		
Semester	<input type="radio"/> MCA		
College Name	<input type="text"/>		
<input type="button" value="Submit"/>			
Developed By : Tanu Sharma			

3. Courses Page: User can see courses information.



Category	Course	Fees	Duration
HSC (General)	11th & 12th	40,000	2 years
UG	BCA	90,000	3 years
PG	MCA	1,20,000	2 years
Basic Course	MS-Office	6,000	2 months
Graphics Designing	PageMaker, CorelDRAW, Photoshop	10,000	6 months
Web Designing	HTML	3,000	1 month
Web Designing	CSS	8,000	5 months
Web Deigning	JavaScript	10,000	2 months
Programming Language	C Language	4,000	1.5 months
Programming Language	C++	5,000	2 months
Programming Language	C#	4,000	1 month
Programming Language	Java	6,000	4 months
Programming Language	Python	2,000/pm	3-6 months
Programming Language	Android	7,000	3 months
Programming Language	Node.js	6,000	3 months
Programming Language	React.js	4 months	8,000
Programming Language	Angular.js	6,000	2.5 months
Database	Oracle	5,000	1 month
Database	MySQL	5,000	2-3 months
Database	SQL Server	5,000	1.5 months
Database	MongoDB	5,000	1 month
Web Programming	PHP with MySQL	6,000	2-3 months
Web Programming	ASP.Net	5,000	1 month
Web Programming	JSP	5,000	1 month

Developed By : Tanu Sharma

4. Messages Page: Students can see messages send by admin.

The screenshot shows a web application interface for 'Aavishkar Institute'. At the top, there is a dark blue header bar with the text 'Aavishkar Institute' on the left and a menu icon (three horizontal lines) on the right. Below the header is a blurred background image of a landscape. In the center, the word 'Messages' is displayed in a bold, white, sans-serif font. Underneath 'Messages', there is a list of five messages, each consisting of a date, subject, and message content. At the bottom of the page, there is a dark footer bar with the text 'Developed By : Tanu Sharma' in a white, sans-serif font.

Nikita Pandey your admission is confirmed.

Date: 2022-08-15
Subject: Independence Day Holiday
Message: Tomorrow is Independence Day, so there will be a holiday.

Date: 2022-08-19
Subject: Seminar
Message: Tomorrow there will be a seminar for everyone.

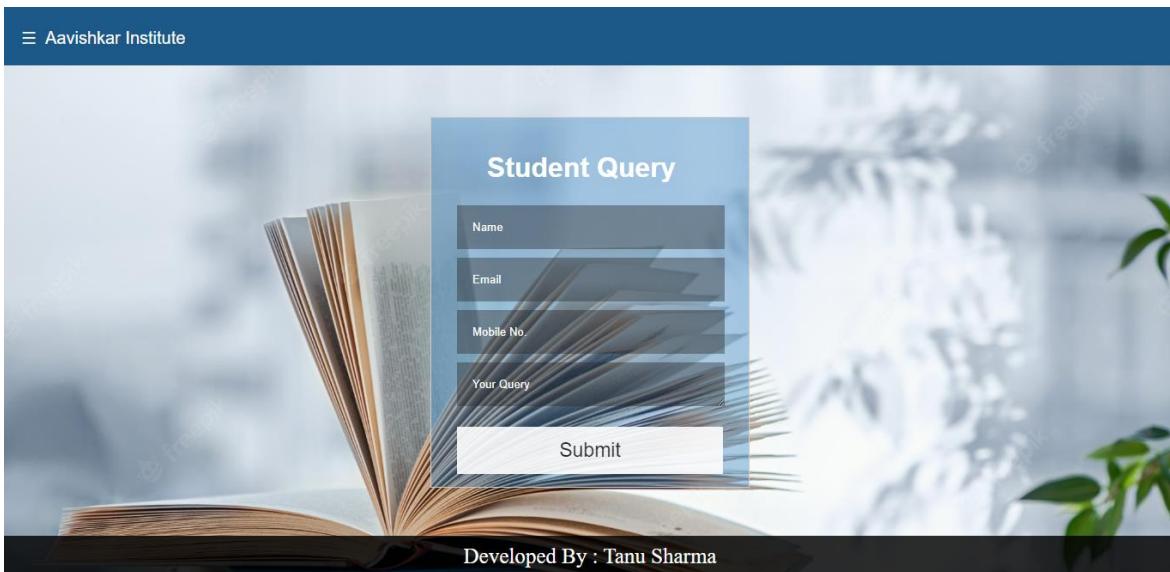
Date: 2022-08-31
Subject: Ganesh Chaturthi Holiday
Message: Tomorrow there will be a holiday for Ganesh Chaturthi.

Date: 2022-09-09
Subject: Holiday Tomorrow
Message: Due to heavy rain alert, tomorrow is holiday.

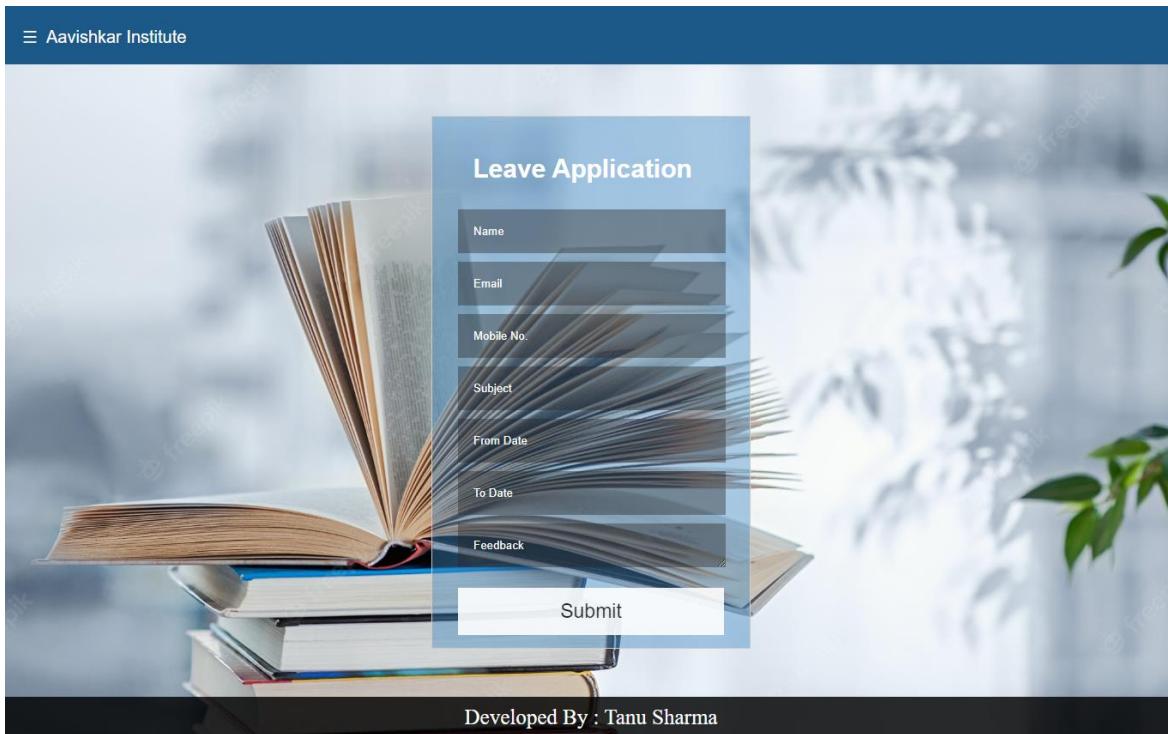
Date: 2022-09-10
Subject: Webinar
Message: Tomorrow there will a webinar for all of you. Kindly visit the link <https://webinar.com> tomorrow.

Developed By : Tanu Sharma

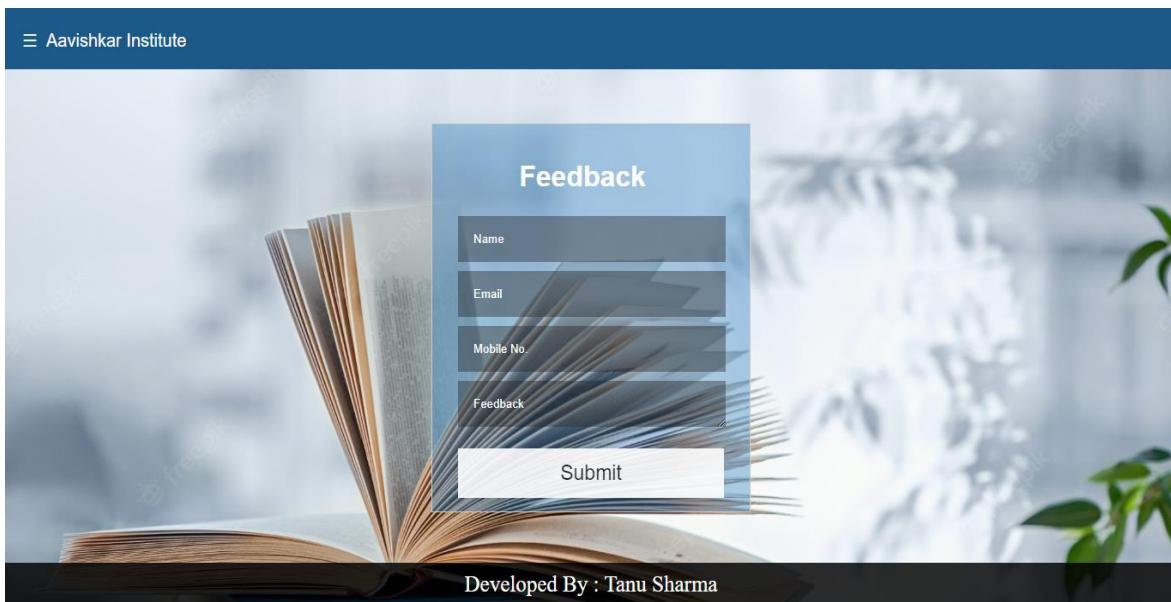
5. Student Query Page: Here students can ask their queries.



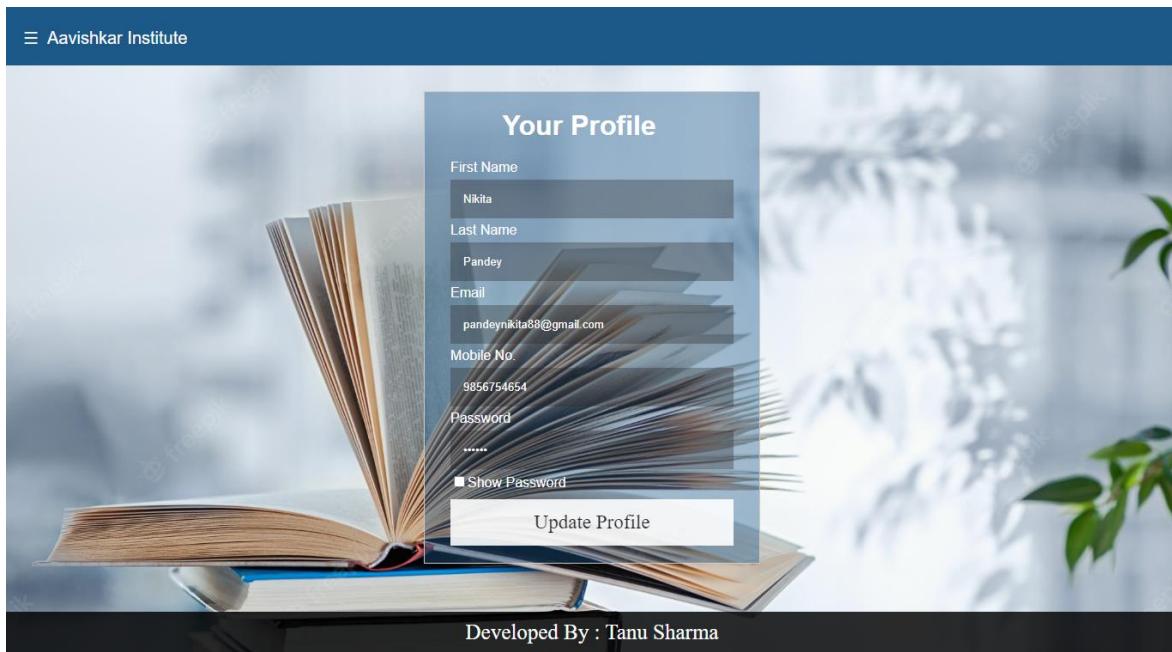
6. Leave Application Page: Here students can apply for leave.



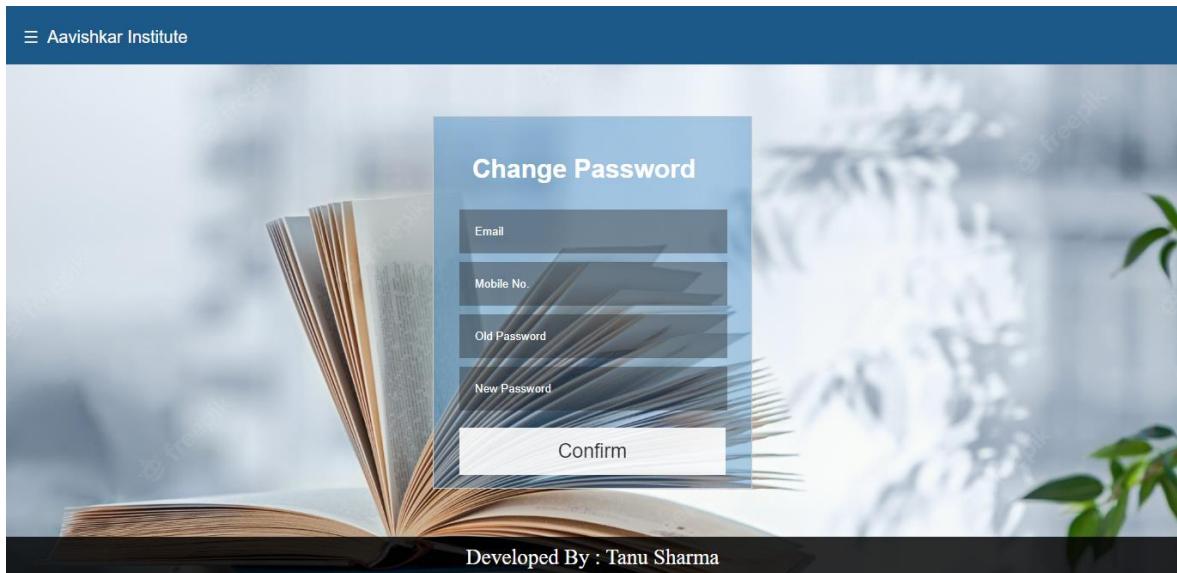
7. Feedback Page: Here user can give their feedback.



8. Profile Page: Here user can see and update his profile.



9. Change Password Page: Here user can easily change password.

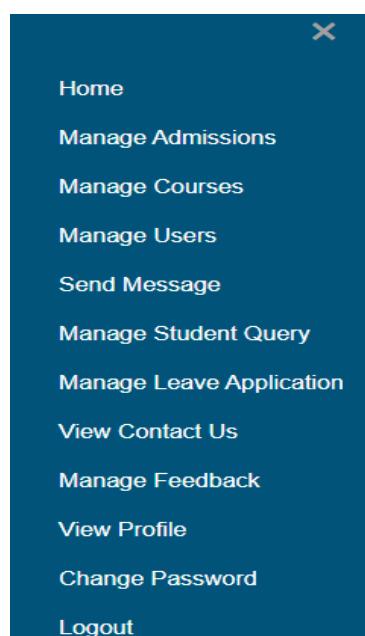


4.4 Admin Interface

1. Home Page: After admin login, a home page is displayed.



On header ,there's a menu button. Admin can open it and go to the particular page.



Developed By: Tanu Sharma

2. Admission Page: Here admin can add new student and confirm or delete the admission.

Admission List

Add New Student

ID	First Name	Last Name	Father's Name	DOB	Gender	Adhaar No.	Photo	Parent's Profession	Co/Department Name	Designation	Address	Whatsapp No.	Email	Student's Mobile No.	Parent's Mobile No.	Last Appeared/Passed Exam	Year Of Passing	Institute Name	Percentage	Standard	School Name	Course	Semester	College Name	Other Course	Status	Date	Confirm	Delete	
1	Nikita	Pandey	Gaurav	21/05/1995-03-20	female	5485500000000000		Job	Ashok Pvt. Ltd.	Manager	Bt No. 2022 2nd floor, Tiwari Apartment, Andheri Chembur, Mumbai, India	9856754554	pardeynikita06@gmail.com	9856754554	9854980191	HSC	2022	Alpine Public School	81%	BCA			Sem-1	Safvisian College		confirmed	2022-08-10	Confirm	Delete	
2	Kavya	Sharma	Ketan	21/06/1996-03-20	female	5485500000000000		Business	Ketan Electronics Ltd.	Owner	Bt No. 101 5th floor, Arun Heights, Pimpri Chinchwad, Pune, India	7804593985	kavya.sharma03@gmail.com	7804593985	9854980067	SSC	2022	Dawn Valley School	75%	11th & 12th	Jivan Public School						confirmed	2022-08-09	Confirm	Delete
3	Priyanka	Solanki	Jitendra	21/05/1997-03-20	female	5485500000000000		Business	Gokul Dairy	Owner	Bt No. 104 Suhans Group opp. T.I Hall Sector 10, Noida, India	9128777538	priyo03.solanki@gmail.com	9128777538	9774891321	HSC	2022	Alpine Public School	78%	BCA			Sem-1	Safvisian College		confirmed	2022-08-11	Confirm	Delete	
4	Neha	Pandya	Naswanir	21/07/1997-03-20	female	910897666453		Job	Aditya Groups Ltd.	Senior Production Associate	Pondicherry Villa, near Anglo Indian Hospital, Sector 10, Noida, India	8855696310	neha075@gmail.com	8855696310	985699133	11th	2022	Krishna Public School	75%	12th	Krishna Public School	MS-Office					confirmed	2022-08-14	Confirm	Delete
5	Budhan Singh	Vyas	Niketa	21/05/1998-03-20	male	910987054870		Job	Akash Oils Ltd.	Controller	105, Baba Laiya Bhawan, Chhatrapur, Sector 10, Noida, India	9915985390	sudhanashivay@gmail.com	9915985390	9857091329	HSC	2022	Dawn Valley School	82%	BCA			Sem-1	Safvisian College		confirmed	2022-08-10	Confirm	Delete	
6	Viney	Mehta	Arvind	21/05/1998-03-20	male	7091250000000000		Job	Vandanika Plastic Store	Store Manager	Bt No. B, Banski Residency, Jawahar Rd., Noida, India	7999870018	viney9876@gmail.com	7999870018	9178799660	HSC	2022	Dawn Valley School	82%	BCA			Sem-1	Safvisian College		confirmed	2022-08-10	Confirm	Delete	
7	Shrujan	Manek	Ning	21/06/1998-03-20	female	910897659084		Job	VBC Bank Ltd.	Cashier	102, Dushantra House, Near Moti Moran, Gardom, Sector 10, Noida, India	9983729085	maneknru23@gmail.com	9983729085	9857690897	SSC	2022	Achievers Public School	69%	11th & 12th	Achievers Public School						confirmed	2022-08-10	Confirm	Delete
8	Nishant	Khatri	Vishal	21/06/1998-03-20	male	910897785540		Business	Vishal Super Mart	Owner	104, Unitech I Heights, Sector 10, Noida, India	9544899069	nish09.khatri@gmail.com	9544899069	9857019807	SSC	2022	Achievers Public School	84%	11th & 12th	Achievers Public School	MS-Office					confirmed	2022-08-10	Confirm	Delete
9	Akansha	Trivedi	Vikram	21/05/1998-03-20	male	91012809778540		Business	Vyon Utensils	Owner	106, Krishna Deva Society, Sector 10, Noida, India	9888781907	ak12.invedi@gmail.com	9888781907	7049788903	HSC	2022	Alpine Public School	85%	BCA			Sem-1	Safvisian College		confirmed	2022-08-10	Confirm	Delete	
10	Aditya	Patel	Shiv	21/06/1998-03-20	male	910890875498		Job	Nakash Sales Ltd.	Senior Sales Engineer	Bt No. 55, Parashpara, Viryanik Rd., Noida, India	7049168003	ad29pati@gmail.com	7049168003	9187890087	SSC	2022	Dawn Valley School	70%	BCA			Sem-1	Safvisian College		confirmed	2022-08-10	Confirm	Delete	
11	Bhavesh	Agrawal	Pranav	21/03/1999-03-20	male	9100500982398		Business	Brenish Electronics Ltd.	Owner	303, Ved Apartments, Sector 10, Noida, India	9098077785	bhavesh297@gmail.com	9098077785	9698706578	BCA Sem-6	2022	Sunrise College	78%	MCA			Node.js	Sem-1	Safvisian College		confirmed	2022-08-28	Confirm	Delete
12	Nitin	Bhandarkar	Subham	21/03/1999-03-16	male	910897785540		Business	Subham Group Pvt. Ltd.	Owner	501, Kalpataru Residence, Sector 10, near Moti Moran, Chowpatty, Noida, India	9988750076	nitin8393@gmail.com	9988750076	9913203070	BCA Sem-6	2022	Bunshire College	83%	MCA			Sem-1	Safvisian College		confirmed	2022-08-10	Confirm	Delete	
13	Apoorva	Jain	Shekhar	21/03/1999-03-13	female	910994676950		Business	Vidhu Groups Pvt. Ltd.	Owner	104, Unitech I Heights, Sector 10, Noida, India	7790535967	jain99.apoorva@gmail.com	7790535967	9166781056	BCA Sem-6	2022	Sunrise College	79%	MCA			ASP.Net	Sem-1	Safvisian College		confirmed	2022-08-10	Confirm	Delete
14	Sachin	Patel	Samira	21/03/1999-03-20	male	910700168096		Business	Seminal Restaurant	Owner	106, Unitech I Heights, Sector 10, Noida, India	9348758270	sachin09.patel@gmail.com	9348758270	9709900546	BCA Sem-6	2022	Sunrise College	86%	MCA			Sem-1	Safvisian College		confirmed	2022-08-10	Confirm	Delete	

Developed By : Tanu Sharma

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3. Add New Student Page: By clicking on Add New Student an admission form is displayed where admin can add a new student.

Aavishkar Institute

Admission Form

First Name	<input type="text"/>	Last Name	<input type="text"/>
Father's Name	<input type="text"/>	DOB	<input type="text"/> dd-mm-yyyy <input type="button" value="..."/>
Gender	<input checked="" type="radio"/> Female <input type="radio"/> Male <input type="radio"/> Other	Photo	<input type="file"/> Choose File No file chosen
Adhaar Number	<input type="text"/>	Parent's Profession	<input type="text"/>
Company/Dept. Name	<input type="text"/>	Designation	<input type="text"/>
Address	<input type="text"/>	Email	<input type="text"/>
Whatsapp No.	<input type="text"/>	Parent's Mobile No.	<input type="text"/>
Student's Mobile No.	<input type="text"/>	Year of Passing	<input type="text"/>
Last(Appeared/Passed Exam)	<input type="text"/>	Percentage	<input type="text"/>
Name of Institute	<input type="text"/>	Computer	
Commerce		Course	<input type="radio"/> BCA <input type="radio"/> MCA
Standard	<input checked="" type="radio"/> 11 th & 12 th <input type="radio"/> 12 th	Semester	<input type="button" value="-- select sem --"/>
School Name	<input type="text"/>	College Name	<input type="text"/>
Other Courses	<input type="text"/>	<input type="button" value="Add"/>	
Modes of Payment: Cash and Cheque			

Developed By : Tanu Sharma

4. Courses Page: Here admin can view, add or delete courses.

[Add New Course](#)

Id	Category	Course Name	Fees	Duration	Delete
1	HSC (General)	11th & 12th	40,000	2 years	Delete
2	UG	BCA	90,000	3 years	Delete
3	PG	MCA	1,20,000	2 years	Delete
4	Basic Course	MS-Office	6,000	2 months	Delete
5	Graphics Designing	PageMaker, CorelDRAW, Photoshop	10,000	6 months	Delete
6	Web Designing	HTML	3,000	1 month	Delete
7	Web Designing	CSS	8,000	5 months	Delete
8	Web Designing	JavaScript	10,000	2 months	Delete
9	Programming Language	C Language	4,000	1.5 months	Delete
10	Programming Language	C++	5,000	2 months	Delete
11	Programming Language	C#	4,000	1 month	Delete
12	Programming Language	Java	6,000	4 months	Delete
13	Programming Language	Python	2,000/pm	3-6 months	Delete
14	Programming Language	Android	7,000	3 months	Delete
15	Programming Language	Node.js	6,000	3 months	Delete
16	Programming Language	React.js	4 months	8,000	Delete
17	Programming Language	Angular.js	6,000	2.5 months	Delete
18	Database	Oracle	5,000	1 month	Delete
19	Database	MySQL	5,000	2-3 months	Delete
20	Database	SQL Server	5,000	1.5 months	Delete
21	Database	MongoDB	5,000	1 month	Delete
22	Web Programming	PHP with MySQL	6,000	2-3 months	Delete
23	Web Programming	ASP Net	5,000	1 month	Delete
24	Web Programming	JSP	5,000	1 month	Delete

Developed By : Tanu Sharma

5. Add New Course Page: By clicking on Add New Course an add new course page is displayed where admin can add a new course.

The screenshot shows a web page titled "Add New Course". At the top left is the Aavishkar Institute logo. The main title "Add New Course" is centered above a form. The form contains four input fields labeled "Category", "Course Name", "Fees", and "Duration", each with a corresponding empty text input box. Below the form is a small "Add Course" button. At the bottom of the page, a dark footer bar displays the text "Developed By : Tanu Sharma".

Category	<input type="text"/>
Course Name	<input type="text"/>
Fees	<input type="text"/>
Duration	<input type="text"/>

Add Course

Developed By : Tanu Sharma

6. Users Page: Here admin can view and delete users.



ID	First Name	Last Name	Email	Mobile No.	User Type	Delete
1	Tanu	Sharma	sharma08.ts@gmail.com	0810	admin	Delete
2	Nikita	Pandey	pandeynikita88@gmail.com	nikita	user	Delete
3	Akansha	Trivedi	ak12.trivedi@gmail.com	akansha	user	Delete
4	Priyanka	Solanki	priya03.solanki@gmail.com	@priya	user	Delete
5	Neha	Pandya	neha675@gmail.com	neha675	user	Delete
6	Sudhanshu	Vyas	sudhanshuvyas@gmail.com	sudhanshu99	user	Delete
7	Vinay	Mehta	vinay9876@gmail.com	vinay	user	Delete
8	Shruti	Manek	manekshruti23@gmail.com	shruti23	user	Delete
9	Nishant	Khatri	nish09.khatri@gmail.com	nish09	user	Delete
10	kavya	Sharma	kavya.sharma33@gmail.com	kavya33	user	Delete
11	Aditya	Pal	adi29pal@gmail.com	adi29	user	Delete
12	Bhavish	Agrawal	bhavish2907@gmail.com	bhavish	user	Delete
13	Nitin	Bhardwaj	nitin8393@gmail.com	nitin@	user	Delete
14	Apoorva	Jain	jain99.apoorva@gmail.com	99apoorva	user	Delete
15	Sachin	Patel	sachin69.patel@gmail.com	sachin69	user	Delete

Developed By : Tanu Sharma

7. Messages Page: Here all messages will be displayed that are sent by admin to user and also admin can send new messages.

[Send Message](#)

ID	Subject	Message	Date
1	Independence Day Holiday	Tomorrow is Independence Day, so there will be a holiday.	2022-08-15
2	Seminar	Tomorrow there will be a seminar for everyone.	2022-08-19
3	Ganesh Chaturthi Holiday	Tomorrow there will be a holiday for Ganesh Chaturthi.	2022-08-31
5	Holiday Tomorrow	Due to heavy rain alert, tomorrow is holiday.	2022-09-09
6	Webinar	Tomorrow there will be a webinar for all of you. Kindly visit the link https://webinar.com tomorrow.	2022-09-10

Developed By : Tanu Sharma

8. Send Message Page: Here admin can send messages to users.

The screenshot shows a web page titled "Send Message". At the top left is a logo with three horizontal bars and the text "Aavishkar Institute". The main title "Send Message" is centered above a form. The form contains fields for "Subject" (with an empty input box), "Message" (with an empty text area), "Date" (with a date input field showing "dd-mm-yyyy" and a calendar icon), and a "Submit" button. Below the form is a dark footer bar with the text "Developed By : Tanu Sharma".

Aavishkar Institute

Send Message

Subject

Message

Date dd-mm-yyyy

Submit

Developed By : Tanu Sharma

9. Student Query Page: Here admin can view queries asked by students and can also reply to them.



ID	Name	Email	Mobile No.	Query	Reply	Date Time	Reply Query
1	Kavya Sharma	kavya.sharma33@gmail.com	7806593963	I am not getting messages.	Your admission is not confirmed yet. When your admission will be confirmed you will receive messages.	2022-08-28 05:37:15	Reply
2	Apoorva Jain	jain99.apoorva@gmail.com	7790835987	I am learning ASP Net, can I also apply for another course?	Yes, you can apply.	2022-09-08 09:00:23	Reply
3	Vinay Mehta	vinay9876@gmail.com	7999870018	I have doubts in communication skills, so can I come to understand them this evening?	Yes, you can come.	2022-09-09 08:32:48	Reply
4	Sachin Patel	sachin69.patel@gmail.com	9348759278	I went out today with my family, so can I submit my assignments tomorrow.	Yes, you can.	2022-09-12 08:32:48	Reply
5	Priyanka Solanki	priya03.solanki@gmail.com	8128777539	My parents want to meet Mr. Pravin Varma, so can we come this evening?	Yes, you can surely come.	2022-09-12 08:32:48	Reply

Developed By : Tanu Sharma

10. Reply To Student Query Page: By clicking on reply a reply to student query page is displayed where admin can reply to student's query.



Developed By : Tanu Sharma

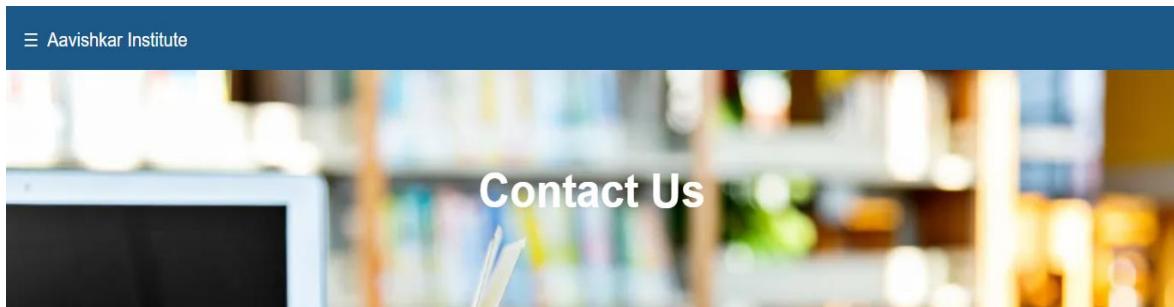
11. Leave Application Page: Here admin can view all leave applications submitted by students and can grant them.



ID	Name	Email	Mobile No.	Subject	From Date	To Date	Leave Reason	Status	Grant Leave
1	Neha Pandya	neha675@gmail.com	8875690310	Leave application for a week.	20-08-2002	27-08-2002	My grandmother is not well from last few days and my family has planned a visit to our hometown Kanpur for a week. So, I won't be able to attend classes. Thus, I request you to grant 8 days off from institute.	granted	Grant
2	Bhavish Agrawal	bhavish.2907@gmail.com	9098677769	Application for sick leave.	29-08-2002	31-08-2002	I am not well because of fever. I request for leave of 3 days, or till recovery. I will update you in any other case.	granted	Grant
3	Nishant Khatri	nish09.khatri@gmail.com	9844899069	Sick leave application.	02-09-2022	05-09-2022	I am extremely ill since last two days and doctor diagnosed malaria. Due to this condition of mine, I am not be able to attend classes till I get recover. Kindly grant me leave for 4 days.	granted	Grant
4	Apoorva Jain	jain99.apoorva@gmail.com	7790835987	Application for leave in institute.	09-09-2022	12-09-2022	I have my cousin's marriage to attend which is scheduled in Delhi. Therefore, I am unable to attend classes. I request you to Kindly grant me leave for 5 days so I can attend my family function.	granted	Grant
5	Shruti Manek	manekshruti23@gmail.com	9983739069	Leave application for personal reason.	10-09-2022	12-09-2022	I will not be able to attend classes because of urgent work at home. Therefore, I request to kindly grant me leave for 3 days.	granted	Grant

Developed By : Tanu Sharma

12. Contact Us Page: Here admin can view contact us messages submitted by visitor.



ID	Name	Email	Mobile No.	Message	Date Time
1	Amit Mishra	amit@gmail.com	9834099699	Can I apply for BCA Sem-3	2022-08-22 09:06:38
2	Aditi Yadav	aditi.yadav@gmail.com	9977723895	Can I apply for more than one course.	2022-08-30 09:08:57
3	Jugal Mehta	jugal19@gmail.com	9290195997	I completed my BCA here, and learnt a lot of things. It is the best institute.	2022-09-13 07:45:12
4	Tarun Acharya	acharyatarun@12gmail.com	8891066987	Amazing institute. The faculty members are caring and supportive.	2022-09-13 07:45:12
5	Naina Goswami	naina45@gmail.com	9918776539	I completed my graduation here, it is one of the best place for BCA.	2022-09-13 07:45:12

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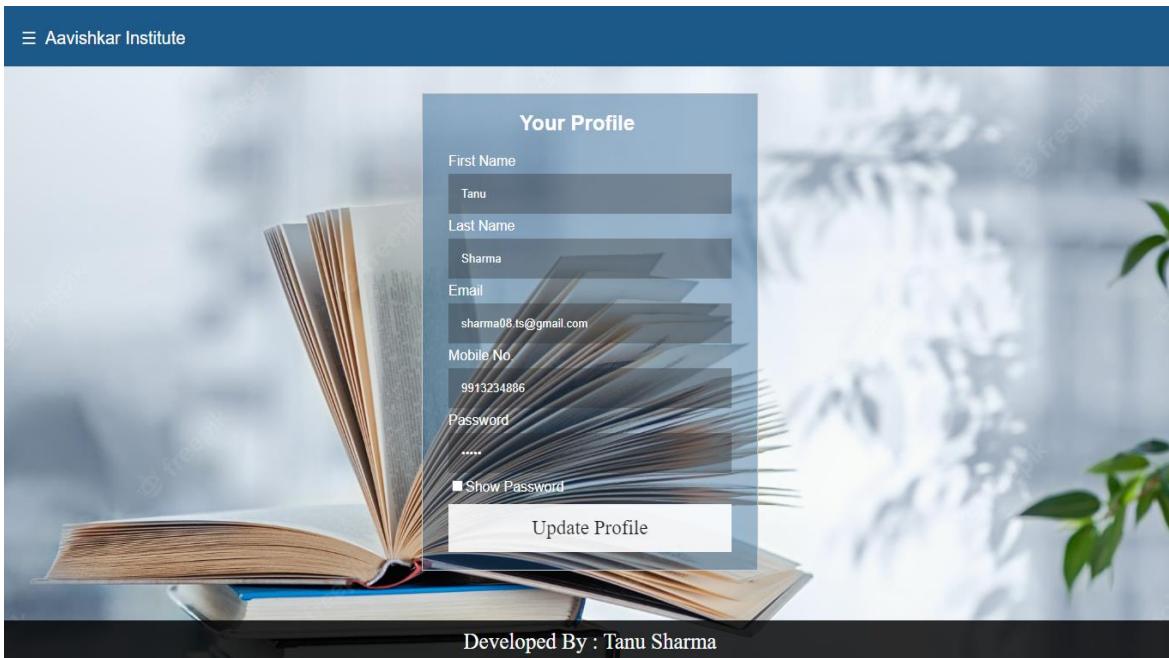
13. Feedback Page: Here admin can view and delete feedbacks.



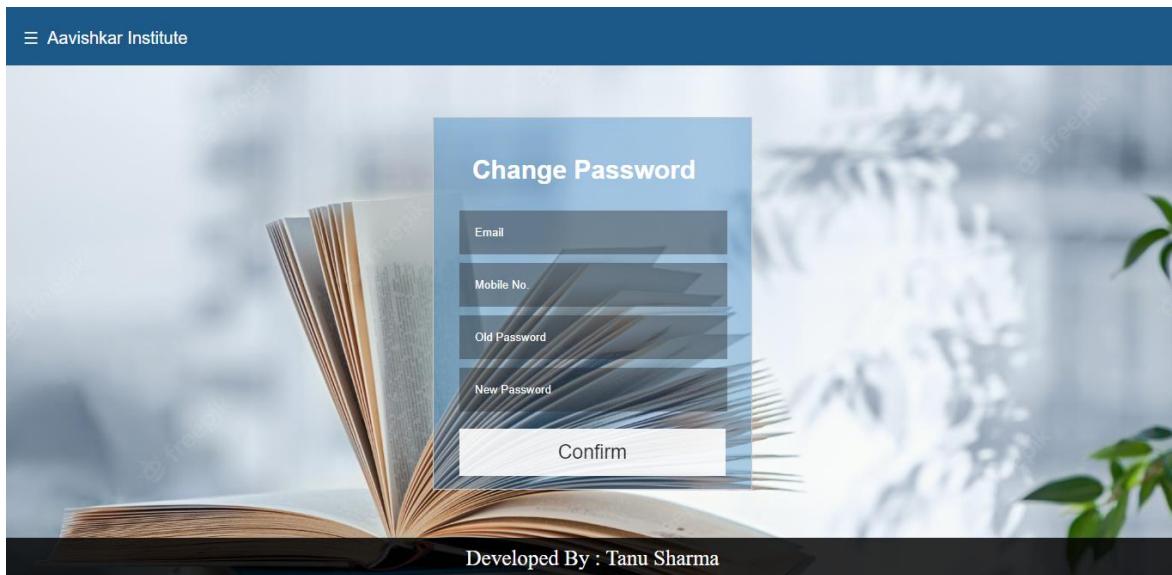
ID	Name	Email	Mobile No.	Message	Date Time	Delete
1	Akansha Trivedi	ak12.trivedi@gmail.com	9889781907	The institute is awesome. I am so impressed with the institute.	2022-08-25 08:12:34	Delete
2	Sudhanshu Vyas	sudhanshuvyas@gmail.com	9913985390	The faculties here are so good and supportive.	2022-08-25 08:12:34	Delete
3	Aditya Pal	adi29pa@gmail.com	7049166903	A fantastic institute! The faculties are very good.	2022-08-26 08:12:34	Delete
4	Vinay Mehta	vinay9876@gmail.com	7999870018	It is one of the best institute.	2022-08-26 08:12:34	Delete
5	Bhavish Agrawal	bhavish2907@gmail.com	9098677769	The teachers are very friendly. They are just wonderful.	2022-08-28 08:12:34	Delete
6	Nikita Pandey	pandeynikita88@gmail.com	9856754654	Good faculty, excellent teaching, good education environment.	2022-08-28 22:16:29	Delete
7	Nishant Khatri	nish09.khatri@gmail.com	9844899069	Best institute with best faculty.	2022-08-29 22:16:29	Delete
8	Shruti Manek	manekshruti23@gmail.com	9983739069	The teachers are amazing, we learn so much from them.	2022-09-01 22:16:29	Delete
9	Neha Pandya	neha675@gmail.com	8875690310	The quality of education is nice and the teachers are very supportive.	2022-09-03 22:16:29	Delete
10	Nitin Bhardwaj	nitin8393@gmail.com	9988750976	Very nice experience being here... quality of teaching is just wonderful.	2022-09-09 22:16:29	Delete

Developed By : Tanu Sharma

14. Profile Page: Here admin can view and update his profile.



15. Change Password Page: Here admin can easily change password by providing required details.



4.6 Source Code

➤ Visitor Side Code:

✓ Connection String:

- \$cn=mysqli_connect ("localhost", "root", "", "aavishkar_institute");

1. Sign Up File:

```
• $q=mysqli_query ($cn,"select mno from user_login where  
email='$email' or mno='$mno' or password='$password'");  
  
if(mysqli_num_rows($q)! = 0)  
{  
    echo "<script>alert ('The user already exists') </script>";  
    echo "<script>window.location='signup.php'</script>";  
}  
else  
{  
    $q=mysqli_query ($cn, "insert into user_login (fnm,  
lnm, email, mno, password, usertype) values ('$fnm',  
'$lnm', '$email', '$mno', '$password', 'user')");  
  
    echo "<script>alert ('Registered as User...') </script>";  
    echo "<script>window.location='login.php'</script>";  
}
```

2. Contact Us File:

- \$q=mysqli_query (\$cn, "insert into contactus (name, email, mno, message) values ('\$name', '\$email', '\$mno', '\$message')");

➤ User Side Code:

1. Login File:

- \$login=\$cn->query ("select * from user_login where mno='\$mno' and password='\$password'");

2. Forgot Password File:

- \$q=mysqli_query (\$cn, "select mno from user_login where email='\$email' and mno='\$mno'");
if(mysqli_num_rows(\$q)! =0)
{
 \$q=mysqli_query (\$cn, "update user_login set
 password='\$password' where mno='\$mno'");
 echo "<script>alert ('Your Password Updated
 Successfully...') </script>";
}
else
{
 echo "<script>alert ('Please enter a valid email or mobile
 no.') </script>";
}

3. Admission File:

- \$q=mysqli_query (\$cn, "select adhaarno from admission where adhaarno='\$adhaarno'");

if(mysqli_num_rows(\$q)! = 0)
{
 echo "<script>alert ('The adhaar no. already exists')
 </script>";
 echo "<script>window.location='admission.php'
 </script>";
}
else
{
 \$q=mysqli_query (\$cn, "insert into admission (fnm, lnm,
 fathernm, dob, gender, adhaarno, photo, parentprof,
 codept, designation, address, whatsappno, email,
 studmno, pmno, lastexam, yrofpassing, instnm, pr, std,
 schoolnm, course, sem, collegenm, othercourse, status)
 values ('\$fnm', '\$lnm', '\$fathernm', '\$dob', '\$gender',
 '\$adhaarno', '\$photo', '\$parentprof', '\$codept',
 '\$designation', '\$address', '\$whatsappno', '\$email',
 '\$studmno', '\$pmno', '\$lastexam', '\$yrofpassing',
 '\$instnm', '\$pr', '\$std', '\$schoolnm', '\$course', '\$sem',
 '\$collegenm', '\$othercourse', 'pending')");

 move_uploaded_file(\$_FILES['photo']['tmp_name'], "../images/".\$_FILES['photo']['name']);
 echo "<script>alert ('Applied for admission
 successfully...') </script>";
 echo "<script> window.location='messages.php'
 </script>";
}

4. Courses File:

- \$query = mysqli_query (\$cn, "select * from courses");

5. Messages File:

- \$query=mysqli_query (\$cn, "select * from admission where studmno=\$mno or pmno=\$mno");
- \$query=mysqli_query (\$cn,"select * from messages");
- \$query=mysqli_query (\$cn,"select * from studquery where mno=\$mno");
- \$query=mysqli_query (\$cn, "select * from lv_report where mno=\$mno");

6. Student Query File:

- \$q=mysqli_query (\$cn, "insert into studquery (name, email, mno, query, reply) values ('\$name', '\$email', '\$mno', '\$query', 'pending')");

7. Leave Application File:

- \$q=mysqli_query (\$cn, "insert into lv_app (name, email, mno, subject, from_dt, to_dt, lv_reason, status) values ('\$name', '\$email', '\$mno', '\$subject', '\$from_dt', '\$to_dt', '\$lv_reason')");

8. Feedback File:

- \$q=mysqli_query (\$cn, "insert into feedback (name, email, mno, feedback) values ('\$name', '\$email', '\$mno', '\$feedback')");

9. Profile File:

- \$query=mysqli_query (\$cn, "select * from user_login where mno=\$mno");

10. Update Profile File:

- \$q=mysqli_query (\$cn, "update user_login set fnm='\$fnm', lnm='\$lnm', email='\$email', mno='\$mno', password='\$password' where mno='\$mno'");

11. Change Password File:

- \$q=mysqli_query (\$cn, "select mno from user_login where mno='\$mno' and password='\$password1'");
if(mysqli_num_rows(\$q)! =0)
{
 \$q=mysqli_query (\$cn, "update user_login set
 password='\$password2' where mno='\$mno'");
 echo "<script>alert ('Your Password Updated
 Successfully...') </script>";
}
else
{
 echo "<script>alert ('Please enter a valid email or mobile
 no. or password') </script>";
}

12. Logout File:

- session_start();

if(isset(\$_SESSION['admin']))
{
 session_unset();
 header ('location: ../index.php');
}

➤ Admin Side Code:

1. Admission List File:

- \$query=mysqli_query (\$cn, "select * from admission");

2. Confirm Admission File:

- \$q=mysqli_query (\$cn, "update admission set status='confirm' where id=\$id");

3. Delete Student File:

- \$q=mysqli_query (\$cn, "delete from admission where id=\$id");

4. Add New Student File:

- \$q=mysqli_query (\$cn, "select adhaarno from admission where adhaarno='\\$adhaarno'");

if(mysqli_num_rows(\$q)! = 0)
{
 echo "<script>alert ('The adhaar no. already exists')
 </script>";
 echo "<script>window.location='admission.php'
 </script>";
}
else
{
 \$q=mysqli_query (\$cn, "insert into admission (fnm, lnm,
 fathernm, dob, gender, adhaarno, photo, parentprof,
 codept, designation, address, whatsappno, email,
 studmno, pmno, lastexam, yrofpassing, instnm, pr, std,
 schoolnm, course, sem, collegenm, othercourse, status)
 values ('\$fnm', '\$lnm', '\$fathernm', '\$dob', '\$gender',
 '\$adhaarno', '\$photo', '\$parentprof', '\$codept',
 '\$designation', '\$address', '\$whatsappno', '\$email',
 '\$studmno', '\$pmno', '\$lastexam', '\$yrofpassing',
 '\$instnm', '\$pr', '\$std', '\$schoolnm', '\$course', '\$sem',
 '\$collegenm', '\$othercourse', 'pending')");

 move_uploaded_file(\$_FILES['photo']['tmp_name'], "../images/".\$_FILES['photo']['name']);
 echo "<script>alert ('Applied for admission
 successfully...') </script>";
 echo "<script> window.location='messages.php'
 </script>";
}

5. Courses File:

- \$query = mysqli_query (\$cn, "select * from courses");

6. Add New Course File:

- \$q=mysqli_query (\$cn, "insert into courses (category, coursenm, fees, duration) values ('\$category', '\$coursenm', '\$fees', '\$duration')");

7. Delete Course File:

- \$q=mysqli_query (\$cn, "delete from courses where id=\$id");

8. Users File:

- \$query=mysqli_query (\$cn, "select * from user_login");

9. Delete User File:

- \$q=mysqli_query (\$cn, "delete from user_login where id=\$id");

10. Messages File:

- \$query=mysqli_query (\$cn, "select * from messages");

11. Send Message File:

- \$q=mysqli_query (\$cn, "insert into messages (std, subject, message, date) values ('\$std', '\$subject', '\$message', '\$date')");

12. Student Query File:

- \$query=mysqli_query (\$cn, "select * from studquery");

13. Reply Student Query File:

- \$q=mysqli_query (\$cn, "update studquery set reply='\$reply' where id=\$id");

14. Leave Application File:

- \$query=mysqli_query (\$cn, "select * from lv_app");

15. Grant Leave File:

- \$q=mysqli_query (\$cn, "update lv_app set status='granted' where id=\$id");

16. Contact Us File:

- \$query=mysqli_query (\$cn, "select * from contactus");

17. Feedback File:

- \$query=mysqli_query (\$cn, "select * from feedback");

18. Delete Feedback File:

- \$q=mysqli_query (\$cn, "delete from feedback where id=\$id");

19. Profile File:

- \$query=mysqli_query (\$cn, "select * from user_login where mno=\$mno");

20. Update Profile File:

- \$q=mysqli_query (\$cn, "update user_login set fnm='\$fnm', lnm='\$lnm', email='\$email', mno='\$mno', password='\$password' where mno='\$mno'");

21. Change Password File:

```
• $q=mysqli_query ($cn, "select mno from user_login where  
mno='$mno' and password='$password1'");  
  
if(mysqli_num_rows($q)! =0)  
{  
    $q=mysqli_query ($cn, "update user_login set  
    password='$password2' where mno='$mno'");  
    echo "<script>alert ('Your Password Updated  
    Successfully...') </script>";  
}  
else  
{  
    echo "<script>alert ('Please enter a valid email or mobile  
    no. or password ....') </script>";  
}
```

22. Logout File:

```
• session_start ();  
if(isset($_SESSION['admin']))  
{  
    session_unset ();  
    header ('location: ../index.php');  
}
```

CHAPTER:5

Testing

5.1 Techniques and Strategies

5.2 Cost Estimation Model

5.3 Future Scope and Further Enhancement of the Project

5.4 Bibliography

5.5 Appendices

5.6 Glossary

5.1 Techniques and Strategies

Testing is a process to show the corrections of the program. Testing is needed to show completeness, to improve the quality of the software and to provide the maintenance aid. Some testing standards are therefore necessary reduce the testing costs and operation time.

Testing software extends throughout the coding phase and it represents the ultimate review of configurations, design and coding. Based on the way the software reacts to these testing.

We can decide whether the configuration that has been built is study or not. All components of an application are tested, as the failure to do so many results in a series of bugs after the software is put to use.

1. White Box Testing

White Box (or glass box) testing is the process of giving input to the system and checking how the system processes input to generate output.

It refers to the testing a system with full knowledge and access to all source code and other architecture documents. This testing enables to reveal bugs and vulnerabilities quickly in comparison with trial-and-error method. More complete testing coverage is ensured by exactly knowing what to test.

White box testing involves thorough testing of the application. It requires knowledge of code and the test cases chosen verifies if the system is implemented as expected. It typically includes checking with the data flow, exceptions, and errors, how they are handled, comparing if the code produces the expected results.

2. Black Box Testing

Black Box testing is the process of giving input to the system and checking the output of the system without bothering how the output is generated.

It refers to testing a system without knowledge of specification to the internal workings of the system, access to the source code, and knowledge of the architecture.

Essentially this approach mimics in a close approach, how an attacker typically follows approach to the application. However, the uncovering of issues or vulnerabilities could be further longer, because of lacking internal application knowledge.

Black box testing is done at an outer level of the system. Test cases merely check if the output is correct for the given input. User is not expected to the internal flow or design of the system.

3. Grey Box Testing

Grey Box testing is a combination of White Box and Glass Box Testing. In this, the tester has little knowledge about the internal working of the software. So, he tests the output as well as process carried out to generate the output.

It refers to a testing system by knowing limited information about the internals of the system. The knowledge is always limited for detailed design documents and architecture diagrams. In concise, it is a good blend of black and white box testing, which leverages the strengths of each of the testing.

Grey box testing is a combination of both black box and white box testing. This is because it involves access to the system; however, at an outer level. A little knowledge of the system is expected in grey box testing.

4. Non-Functional Testing

Non-functional testing is the testing of a software application or system for its non-functional Requirements: the way a system operates, rather than specific behaviors of that system.

This is contrast to functional testing, which tests against functional requirements that describe the functions of a system and its components.

The names of many non-functional tests are often used interchangeably because of the overlap in scope between various non-functional requirements. For example, software performance is a broad term that includes many specific requirements like reliability and scalability.

➤ Software Testing Strategies

Testing involves:

1. Unit Testing

The unit testing is purpose of unit testing is to ensure that each program is fully tested.

2. Integration Testing

The integration testing is individual program units or programs are integrated and tested as a complete system to ensure that the software requirements.

3. Acceptance Testing

This testing involves planning and the execution of various types of tests in order to demonstrate that the implemented software system satisfied the requirements.

Finally, our project meets the requirements after going through all the levels of testing.

5.2 Cost Estimation Model

➤ Costing Objectives

- To ensure viability
 - ✓ Feasibility study
 - ✓ Resource planning
 - ✓ Cost/benefit analysis
- Provide input for pricing (including bidding negotiations etc.)
- To serve as a management tool
 - ✓ Cost Control and Management
 - ✓ Risk management
 - ✓ Budget planning
- Criteria for good project coding
 - ✓ Accurate
 - ✓ Realistic (good procurement and engineering practice)
 - ✓ Consistent
 - ✓ Transparent
 - ✓ Cost-effective
 - ✓ Good Documentation

Project Costing

Many looks upon project testing as a cost. While it is true that software testing does cost money, in many cases significant amounts of money, it is also an activity that an organization to avoid costly failures further on in the development process.

Most understand this relationship project testing is spending money to save money. What many do not also realize is that software testing also produces valuable assets for the organization. This article will discuss those assets of software testing.

➤ Cost Estimation

- Working time estimation is given below:

3 months	= 90 days
5 hrs / day	= 450 hours

- Now, the expenses & cost estimation are given below:

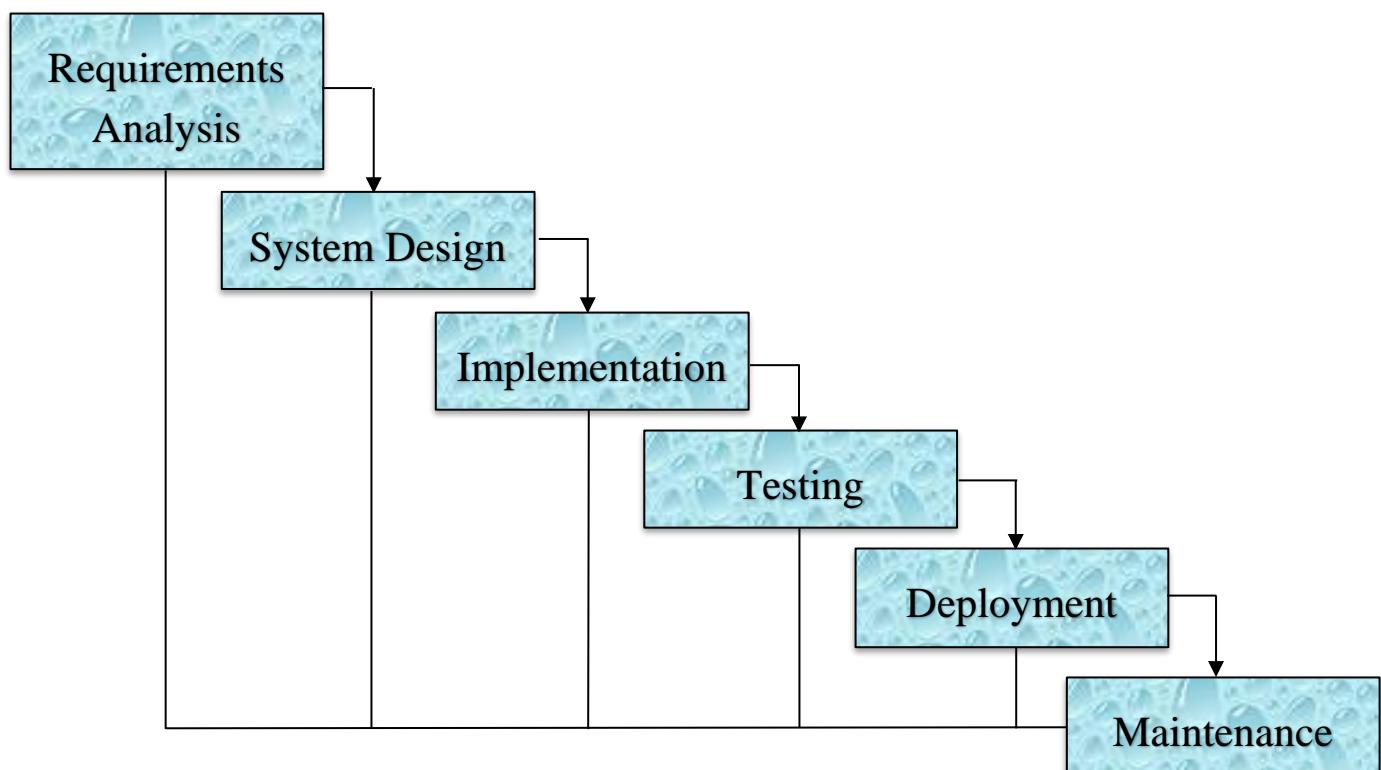
Computer rent	= 6,000 /-
+ Light Bill Rs. 5 / unit (worth 400 units)	= 4,000 /-
+ Database design & creation	= 1,500 /-
+ Coding & Validation	= 2,500 /-

Total	= 14,000 /-
-------	-------------

SDLC Model

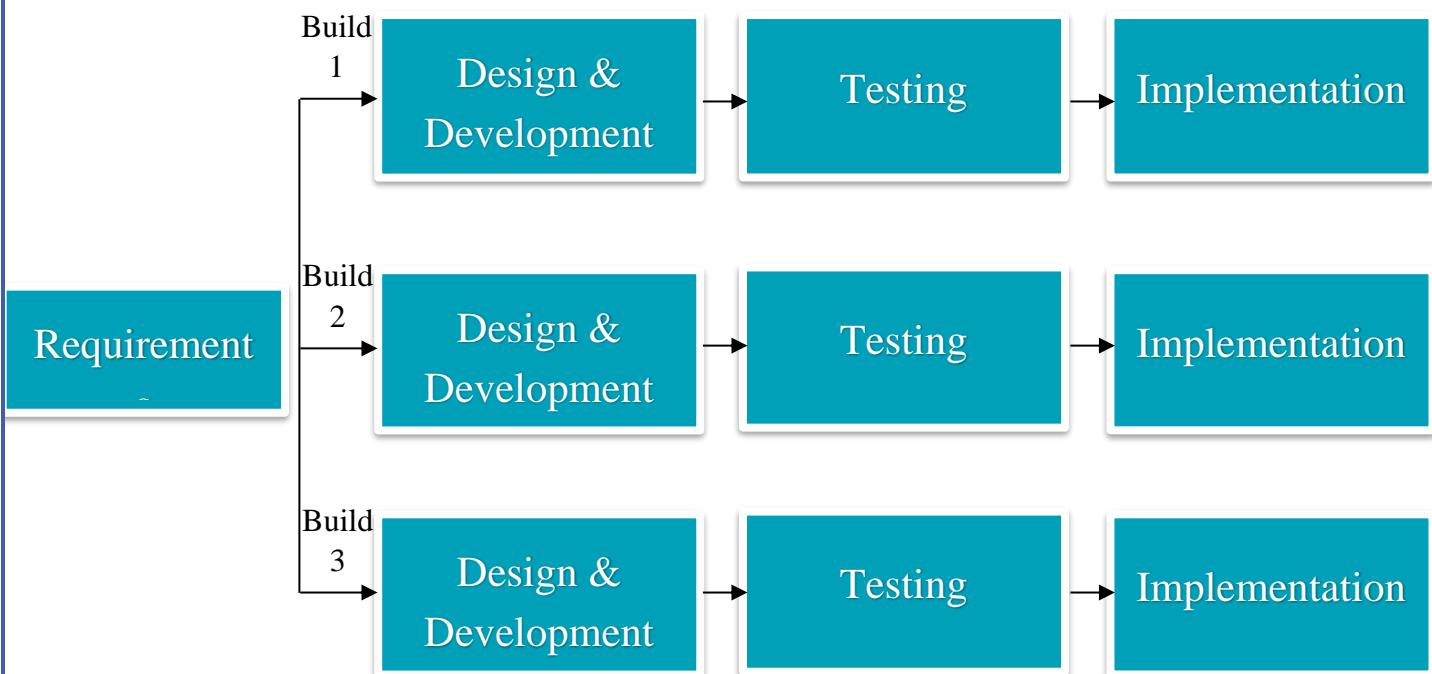
➤ Waterfall Model

Waterfall approach was first SDLC Model to be used widely in Software Engineering to ensure success of the project. In "The Waterfall" approach, the whole process of software development is divided into separate phases. In Waterfall model, typically, the outcome of one phase acts as the input for the next phase sequentially. Following is a diagrammatic representation of different phases of waterfall model.



➤ Iterative Model

In Iterative model, iterative process starts with a simple implementation of a small set of the software requirements and iteratively enhances the evolving versions until the complete system is implemented and ready to be deployed. An iterative life cycle model does not attempt to start with a full specification of requirements. Instead, development begins by specifying and implementing just part of the software, which is then reviewed in order to identify further requirements. This process is then repeated, producing a new version of the software at the end of each iteration of the model.



➤ V-Model

The V-Model is SDLC model where execution of processes Verification happens in a sequential manner in V-shape. It is also known as Verification and Validation model. V - Model is an extension of the

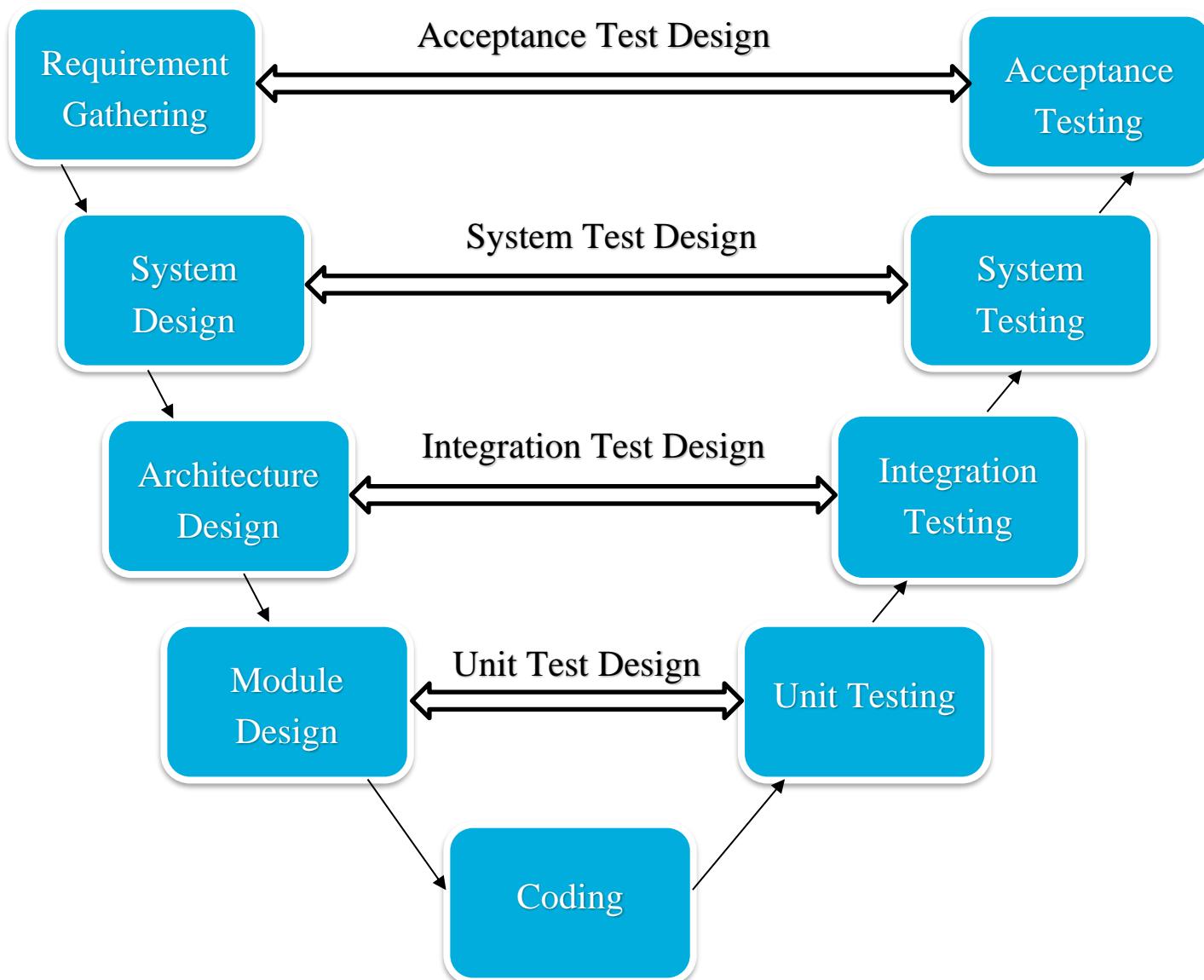
waterfall model and is based on association of a testing phase for each corresponding development stage. This means that for every single phase in the development cycle there is a directly associated testing phase. This is a highly disciplined model and next phase starts only after completion of the previous phase.

➤ V-Model Design

Under V-Model, the corresponding testing phase of the development phase is planned in parallel. So, there are Verification phases on one side of the V-Model and Validation phases on the other side. Coding phase joins the two sides of the V-Model. The below figure illustrates the different phases in V-Model of SDLC.

Verification

Validation



➤ Spiral Model

The spiral model combines the idea of iterative development with the systematic, controlled aspects of the waterfall model. Spiral model is a combination of iterative development process model and sequential linear development model i.e., waterfall model with very high emphasis on risk analysis. It allows for incremental releases of the product, or incremental refinement through each iteration around the spiral.

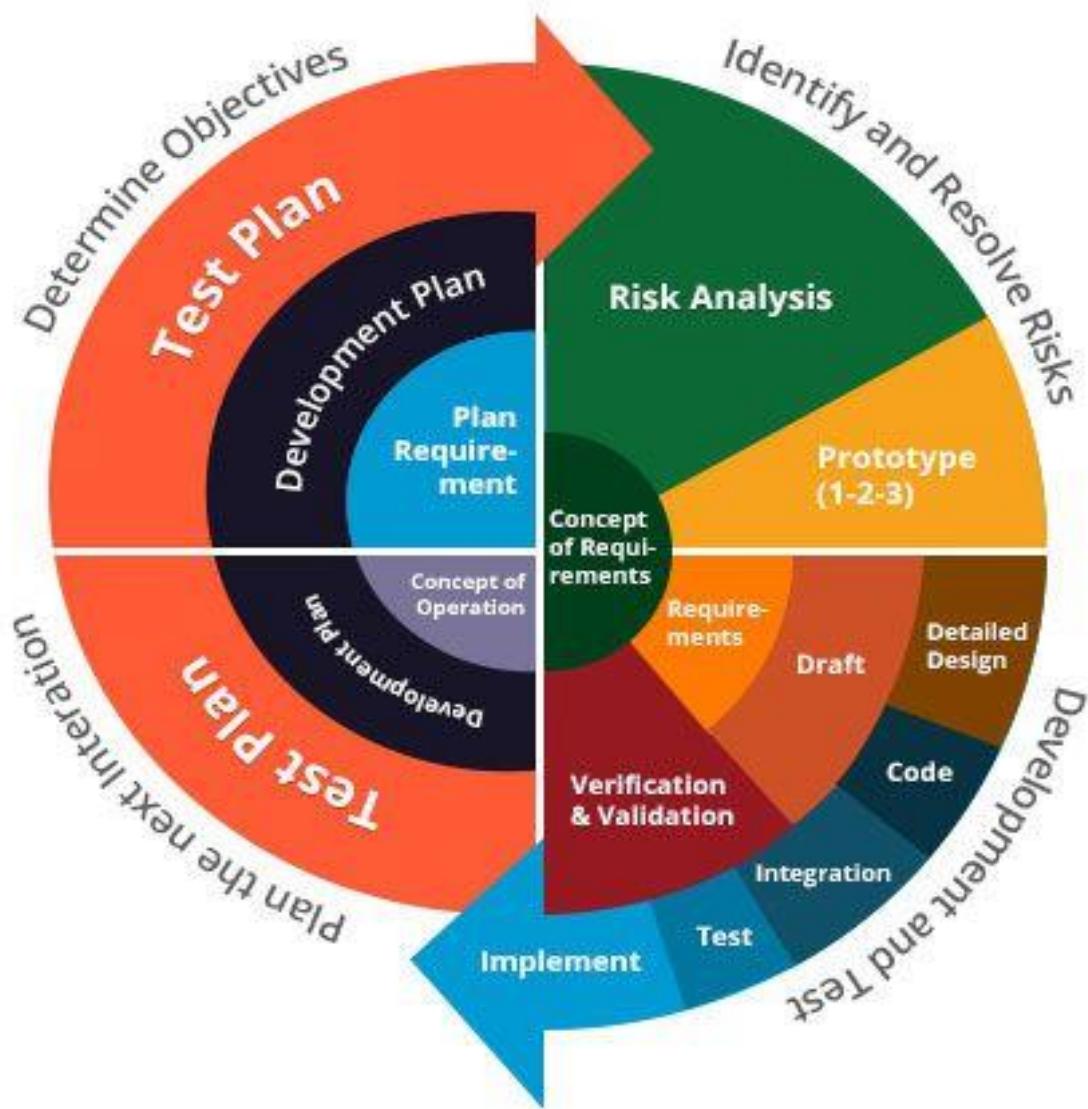
➤ Spiral Model Design

The spiral model has four phases. A software project repeatedly passes through these phases in iterations called Spirals.

- Identification:

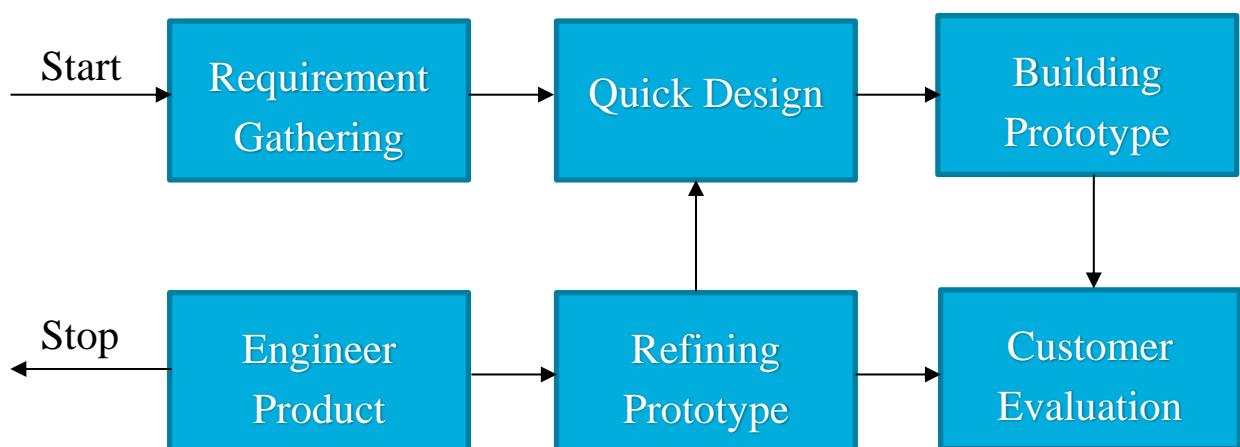
This phase starts with gathering the business requirements in the baseline spiral. In the subsequent spirals as the product matures, identification of system requirements, subsystem requirements and unit requirements are all done in.

This phase This also includes understanding the system requirements by continuous communication between the customer and the system analyst. At the end of the spiral the product is deployed in the identified market.



➤ Prototype Model

The basic idea here is that instead of freezing the requirements before a design or coding can proceed, a throwaway prototype is built to understand the requirements. This prototype is developed based on the currently known requirements. By using this prototype, the client can get an “actual feel” of the system, since the interactions with prototype can enable the client to better understand the requirements of the desired system. Prototyping is an attractive idea for complicated and large systems for which there is no manual process or existing system to help determining the requirements. The prototype is usually not complete systems and many of the details are not built in the prototype. The goal is to provide a system with overall functionality.



5.3 Future Enhancements

A good project is one which never stops developing according to the changing situations and technologies there is a lot of scope of future enhancements.

- Online Payment.
- Online Teaching.
- Student Attendance.
- Online Exams.
- New User To-Do List.
- Online study material for students.

5.4 Bibliography

For the successful working of my project, I have referred many sources for the code snippets, logic and tips and tricks from the various books as well as web sites. Most I searched for the required possessions on the google.com search engine.

- **Web Link:**

1. google.com
2. w3schools.com

5.5 Appendices

The project Aavishkar Institute is the customize working on Admission of students.

The software takes care of all requirement and helps to the students for taking admission.

We have successfully designed, coded and implemented our project with a lot of Hard work.

Finally, I would like to thank our project guide Dr. Neha K. Shah for giving helpful guidelines for our project and also for giving suggestions when difficulties raised in our project.

5.6 Glossary

- ANSI : American National Standards Institute
- CSS : Cascading Style Sheets
- DFD : Data Flow Diagram
- ERD : Entity Relationship Diagram
- GPL : GNU General Public License
- GUI : Graphical User Interface
- HTML : Hyper Text Markup Language
- ISO : International Organization for Standardization
- JS : JavaScript
- MySQL : My Structured Query Language

NF	:	Normal Form
PERT	:	Program Evaluation Review Technique
PHP	:	Hypertext Preprocessor
SDLC	:	Software Development Life Cycle
SRS	:	Software Requirements Specification
SVG	:	Scalable Vector Graphics
W3C	:	World Wide Web Consortium
XHTML	:	Extensible Hyper Text Markup Language
XML	:	Extensible Markup Language
XUL	:	Extensible User Interface Language

Thank You