## A Project Report On Institute management system



# The Report Submitted To SAURASHTRA UNIVERSITY



Submitted In Partial Fulfilment of The Requirement For The Award of The Degree

Academic Year 2022-2023

### **BACHELOR OF COMPUTER APPLICATION**

[Semester – 5<sup>th</sup>]

-: Prepared By & Develop By: -

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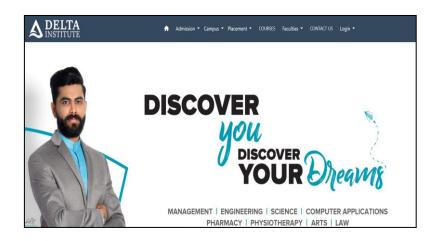
00320321577 - Darshan K. Malli

Int. Project Guidance: - Prof. Meera Barai

From: -

23073 - N. P. VEKARIA EDU. & CH. TRUST SANCH. GRACE COLL. OF COMM., RAJKOT

## **DELTA INSTITUTE**



## As part of BCA – V

Year - 2022

-: Developed by:-

Dishant Jivanbhai Ginoya Darshan Kishorbhai Malli

## Internal Project Guide

Prof. Meera Barai

## Submitted at

Grace College,
Opp. Rangoli Park, Kalawad Road,
Rajkot – 360005.

## **DECLARATION**

We hereby declare that this Dissertation work entitled "INSTITUTE MANAGEMENT SYSTEM" is our original work and further confirm that:

- ♣ This work has been composed by us with the assistance of our supervisor.
- → We have clearly referenced in accordance with the university requirements, in the text and the bibliography or references, all sources (either from a printed source, internet or any other source) used in the work.
- → All data and findings in the work have not been falsified or embellished. This work has not been previously or concurrently used either for other courses or within other exam process as an exam work.
- **4** This work has not been published.

We understand that our false claim in respect of this work will result in disciplinary action in accordance with university regulations.

We confirm and agree that our work may be electronically checked for plagiarism by the use of plagiarism detection software and stored on a third party's server for eventual future comparison.

Signature

**Signature** 

Dishant J. Ginoya 003203202616

Darshan K. Malli 00320321577

## **ACKNOWLEDGEMENT**

This thesis becomes a reality with the kind support and help of man individuals. We would like to extend our sincere thanks to all of them.

Foremost, we want to offer this endeavour to our God Almighty for the wisdom he bestowed upon us, the strength, peace of our mind and good health in order to finish this research.

We would like to express our special gratitude and thanks to our advisor, **Mrs. Meera Barai** for imparting her knowledge and expertise in this study.

We are highly indebted to **Grace College** for their guidance and constant supervision as well as for providing necessary information regarding this research and also for their support in completing this work.

We would like to express our gratitude towards our Family for the encouragement which helped us in completion of this work our thanks and appreciations also go to our colleague and people who have willingly helped us out with their abilities.

Finally, our deepest gratitude goes to parents who have given us mush needed comfort, support encouragement and inspiration for completing this project.

We would also like to thank all those people.

Place: Rajkot

Date:

## **PREFACE**

This document is meant for describing all the features and procedures that were followed while developing the system.

This document specially mentions the details of the project how it was developed, the primary requirement, as well as various features and functionalities of the project.

It is very useful for getting the information about website. This site helps in saving time and gives many features about website efficiently.



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## **Abstract**

This Institute Management System is being generated for such purpose only to maintain all the work power of an institute in a single database server.

The main objective to develop the project is to make the Institute Management System simple and to provide user-friendly access of this program to all the staff members and students of the Institute so that they can locate and reply the queries concerned to them.

This Software provides a user-friendly interface for the user and it reduces the data redundancy. Centralized information is available which can be accessed by number of users.

In manual Institute Management System they have to maintain all records manually which involves record keeping of student, Staff, library books and their transaction. This new system will replace entire manual task with computer based system.

The idea of developing 'Institute Management System' is an education institute where the work is being done manually and all data is stored in registers and paper files. As all the data is stored as a physical record so it is very difficult and time taking process to search any specific record.

The institute admin is fully dependent on staff to manage institute record. When any new student comes in the institute for registration, all his detail is stored in these registers

If the user want to update his/her any details later on the we need to search that register, find specific record and then we can edit that.

It requires too much time and there is also a big chance of error. Similarly in library there were hundreds of books. There also all the data was being stored manually. It requires a large number of paper files.

## Project Profile

**Project Name**: Institute Management System

**Platform**: Windows 11

**Front - End** : HTML, PHP, CSS, BOOTSTRAP, JAVASCRIPT.

**Back - End** : Mysql

Web Server : Xampp

Web Browser : Crome, Microsoft Edge

**Doc. tool** : Microsoft word 2013

**Editor** : VS Code

Guided By : Prof. Meera Barai

**Submitted To** : Grace College

**Time Duration** : 3 Month

## Requirement

## > Software Requirement : -

• **OS** : Windows 11

• Web Server : Xampp

• **Browser** : Chrome

• Back-end : PhpMyAdmin

• Editor : VS Code

## > Hardware Requirement : -

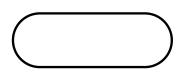
• **Processor** : AMD Ryzen(R)

• **RAM** : 8GB

• **System OS** : 64Bit

## Flow chart

> Terminal :-



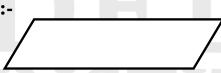
A Terminal to represent start and end of flowchart.

> Process :-



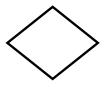
A processing used for arithmetic opetaions and datamaniulations.

Input/Output :-



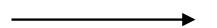
A Input and output used for input output operation.

> Decision :-



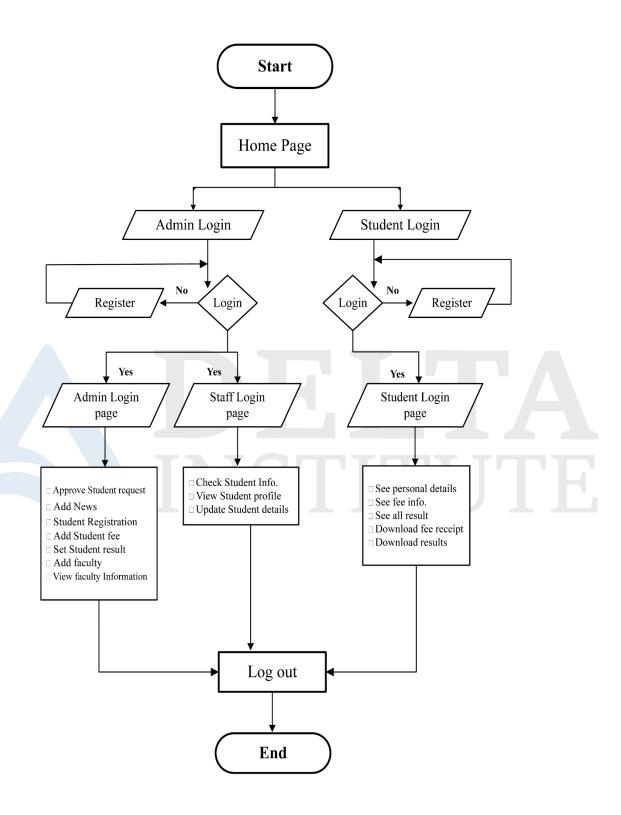
A Decision to represent the operation in a which operation in which three alternatives true and false etc.

> Flow Lines :-



A Flow line used to indicate the flow of logic by connecting symbols.

A flowchart is a type of diagram that represents a workflow or process. A flowchart can also be defined as a diagrammatic representation of an algorithm, a step-by-step approach to solving a task.

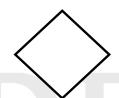


## E-R Diagram

> Entity	Set:-		

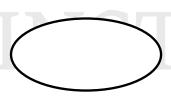
A rectangle to denote an entity set.

> Relationship :-



A diamond to denote a relationship between two entity.

> Attributes :-

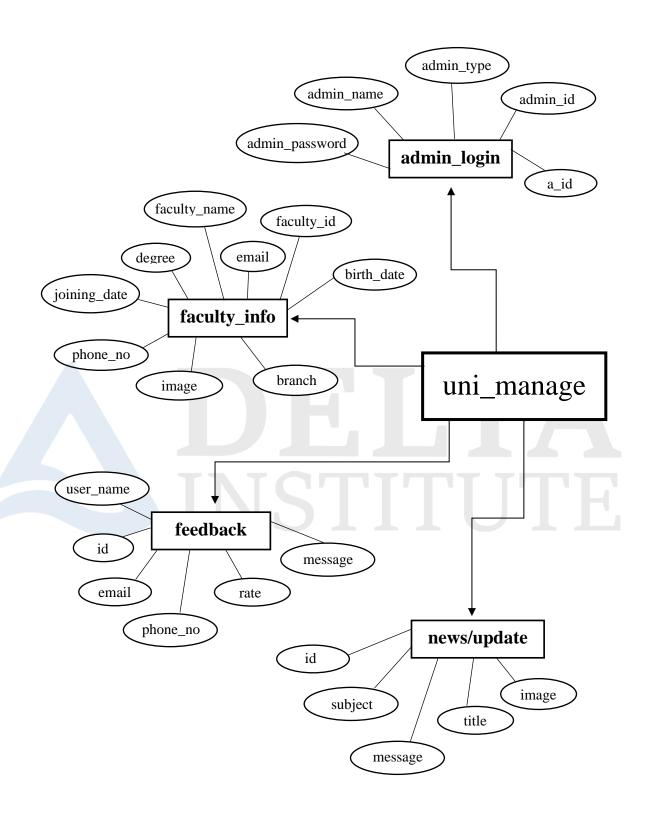


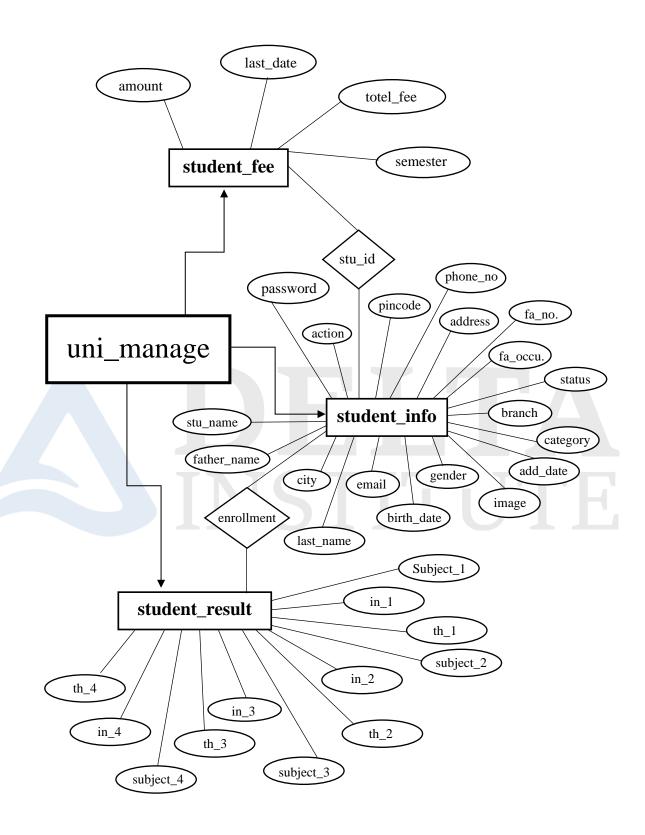
An oval to denote attribute.

> Links :-

A line which links attributes to an entity or entity set and entity sets to relationships.

When an E-R diagram is built. The first step is defining entities. The next step is defining the relationship between the entities. The final step to identify the attributes that belong to each entity. Once the E-R diagram is completed.





## Data Flow Diagram

> External entity :-
It represented external entities with which system communicate.
> Data store :-
It is used to model a collection of data packets at rest.  Process:-

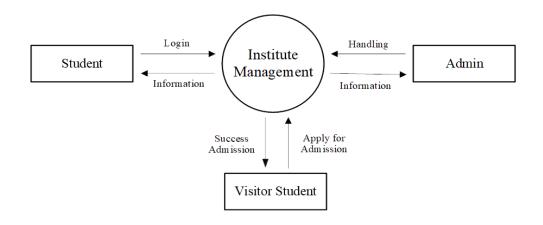
A process is represented graphically as a circle rectangle with rounded edge.

# > Data flow :-

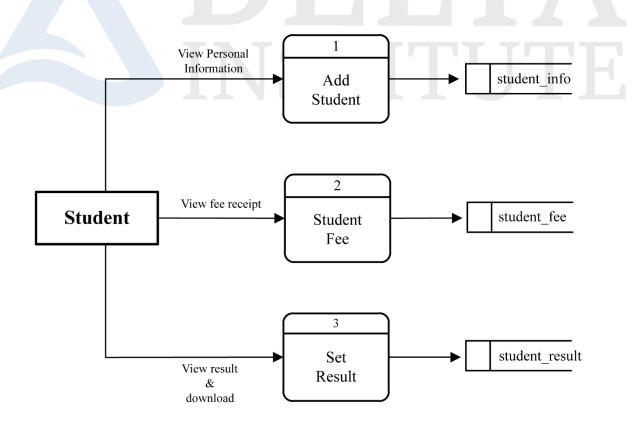
It is used to describe the more event of data or physical material from one part of the system to another part.

A data-flow diagram is a way of representing a flow of data through a process or a system. The DFD also provides information about the outputs and inputs of each entity and the process itself. A data-flow diagram has no control flow there are no decision rules and no loops.

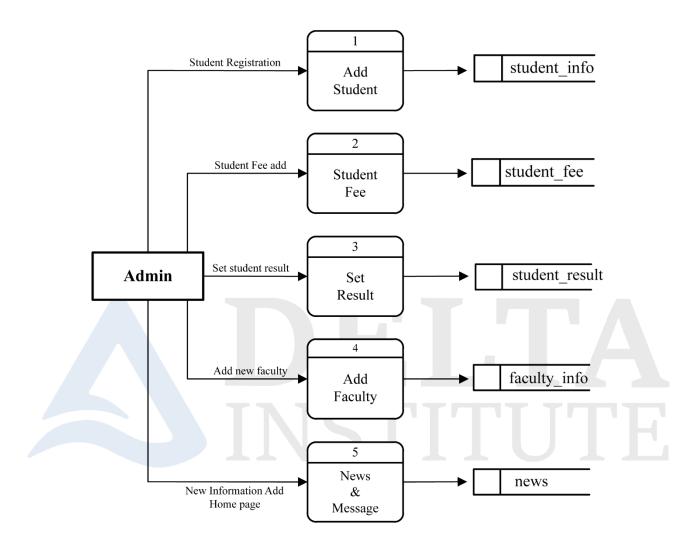
### 1. DFD - Context Level Diagram :-



## 2. DFD - Level 0 : for Student :-

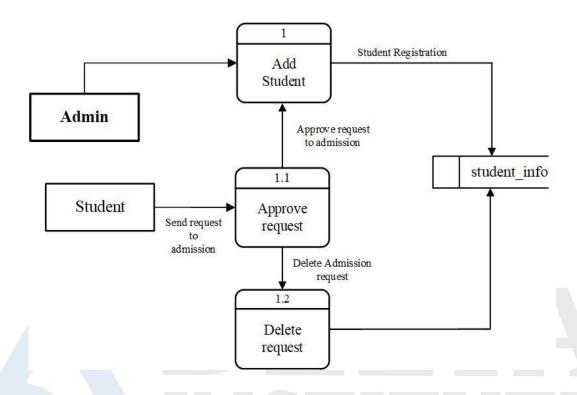


#### 3. DFD - Level 0 : for Admin :-

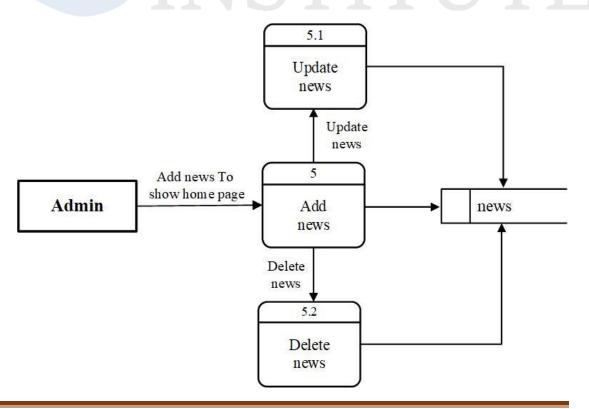


#### 4. DFD - Level 1: for Admin:-

4.1 DFD – Level 1 : for Admin (Add Student) :-



## 4.2 DFD – Level 1 : for Admin (Add News) :-



## Use Case Diagram

#### > Actor :-



It is a stick persons which represents the various types of usres of the system.

### ➤ Use Case :-



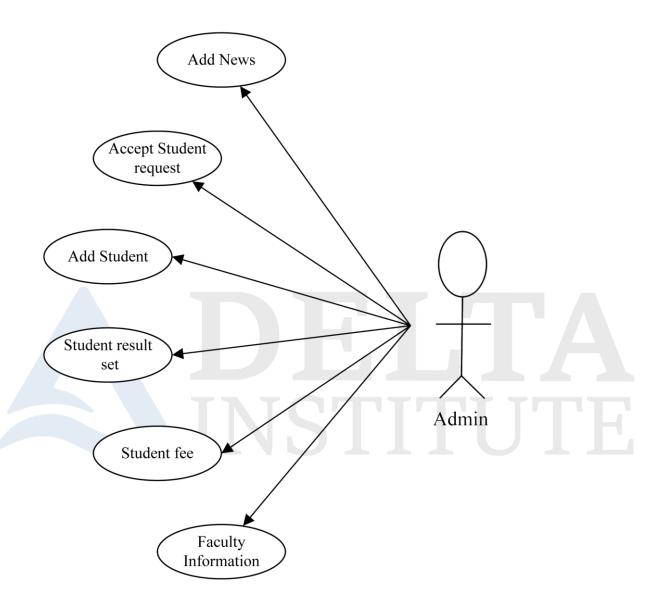
An oval to represents the various functionality of the system.

#### > Generalization :-

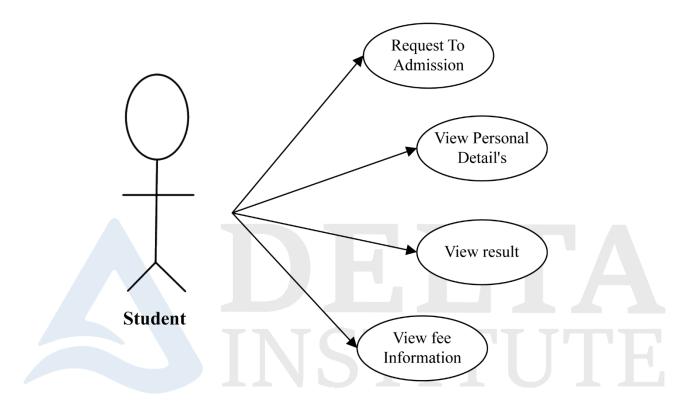
Communication between actors and use cases that paeticiate in use cases has interaction with actors.

A use case diagram is a graphical depiction of a user's possible interactions with a system. A use case diagram shows various use cases and different types of users the system has and will often be accompanied by other types of diagrams as well. The use cases are represented by either circles or ellipses.

### 1. Use case for Admin side :-



## 2. Use case for Student side :-



# Data Dictionary

### Data Base Name:

## uni\_manage

Table No.	Table Name
1	admin_login
2	faculty_info
3	feedback
4	news
5	student_fee
6	student_info
7	student_result

## 1. Admin\_login:-

#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra
1	a_id 🔑	int(11)			No	None		AUTO_INCREMENT
2	admin_name	varchar(255)	utf8mb4_general_ci		No	None		
3	admin_id	varchar(255)	utf8mb4_general_ci		No	None		
4	admin_password	varchar(255)	utf8mb4_general_ci		No	None		
5	admin_type	varchar(255)	utf8mb4_general_ci		No	user		

## 2. Faculty\_info:-

#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra
1	no 🔑	int(11)			No	None		AUTO_INCREMENT
2	faculty_id 🔎	int(11)			No	None		
3	faculty_name	varchar(50)	utf8mb4_general_ci		No	None		
4	image	varchar(255)	utf8mb4_general_ci		No	None		
5	phone_no	bigint(20)			No	None		
6	email	varchar(100)	utf8mb4_general_ci		No	None		
7	birth_date	varchar(30)	utf8mb4_general_ci		No	None		
8	joining_date	varchar(30)	utf8mb4_general_ci		No	None		
9	branch	varchar(20)	utf8mb4_general_ci		No	None		
10	digree	varchar(20)	utf8mb4_general_ci		No	None		

### 3. Feedback:-

#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(11)			No	None		AUTO_INCREMENT
2	name	varchar(100)	utf8mb4_general_ci		No	None		
3	phone	bigint(20)			No	None		
4	message	varchar(255)	utf8mb4_general_ci		No	None		
5	rate	int(11)			No	None		

	4. No	ews/up	date :-					ПА
#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(11)			No	None		AUTO_INCREMENT
2	date	timestamp			No	current_timestamp()		ON UPDATE CURRENT_TIMESTAMP()
3	subject	varchar(80)	utf8mb4_general_ci		No	None		
4	title	varchar(100)	utf8mb4_general_ci		No	None		
5	image	varchar(100)	utf8mb4_general_ci		No	None		
6	message	varchar(255)	utf8mb4_general_ci		No	None		

## 5. Student\_info:-

Name	Туре	Collation	Attributes	Null	Default	Comments	Extra
no 🔑	int(11)			No	None		AUTO_INCREMENT
stu_id	varchar(30)	utf8mb4_general_ci		No	None		
enrollment 🔊	double			No	None		
password	int(11)			No	None		
student_name	varchar(50)	utf8mb4_general_ci		No	None		
last_name	varchar(20)	utf8mb4_general_ci		No	None		
student_image	varchar(255)	utf8mb4_general_ci		No	None		
birth_date	date			No	None		
email	varchar(100)	utf8mb4_general_ci		No	None		
phone_number	bigint(20)			No	None		
gender	varchar(10)	utf8mb4_general_ci		No	None		
status	varchar(10)	utf8mb4_general_ci		No	None		
branch	varchar(10)	utf8mb4_general_ci		No	None		
admission_date	varchar(50)	utf8mb4_general_ci		No	None		
category	varchar(30)	utf8mb4_general_ci		No	None		
father_name	varchar(30)	utf8mb4_general_ci		No	None		
father_phone_no	bigint(20)			No	None		
father_occupation	varchar(50)	utf8mb4_general_ci		No	None		
address	varchar(255)	utf8mb4_general_ci		No	None		
pincode	int(11)			No	None		
city	varchar(30)	utf8mb4_general_ci		No	None		
action	varchar(20)	utf8mb4_general_ci		No	None		
	no father_name father_name father_name father_name father_occupation address pincode city	no	inti(11)  inti(	no	no	no	Int   Int

## 6. Student\_fee :-

#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(11)			No	None		AUTO_INCREMENT
2	stu_id	varchar(30)	utf8mb4_general_ci		No	None		
3	amount	float			No	None		
4	last_paid_fee_date	varchar(50)	utf8mb4_general_ci		No	None		

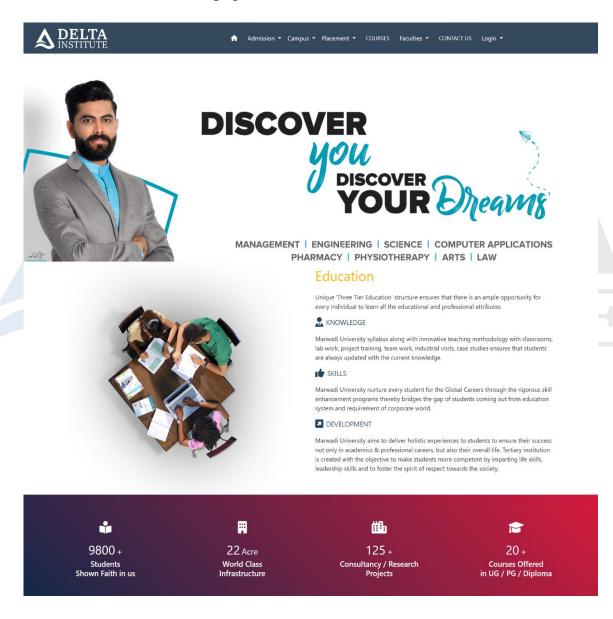
## 7. Student\_result:-

#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(11)			No	None		AUTO_INCREMENT
2	enrollment 🔊	double			No	None		
3	subject_1	varchar(255)	utf8mb4_general_ci		No	None		
4	in_1	int(11)			No	None		
5	th_1	int(11)			No	None		
6	subject_2	varchar(255)	utf8mb4_general_ci		No	None		
7	in_2	int(11)			No	None		
8	th_2	int(11)			No	None		
9	subject_3	varchar(255)	utf8mb4_general_ci		No	None		
10	in_3	int(11)			No	None		
11	th_3	int(11)			No	None		
12	subject_4	varchar(255)	utf8mb4_general_ci		No	None		
13	in_4	int(11)			No	None		
14	th_4	int(11)			No	None		

## Screen Layout

### Home page:-

Header with home page:-



#### Footer with home page :-

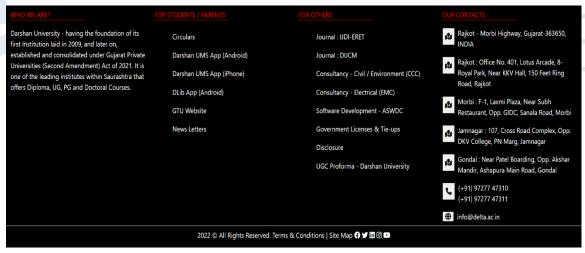
#### **Our Testimonials**

Our association with the Marwadi University has been very fruitful. We have been able to pick out some very capable and confident students for our company. We are very impressed by the hard work that has been done on these students by the teachers. We would love to come back here for placements again.

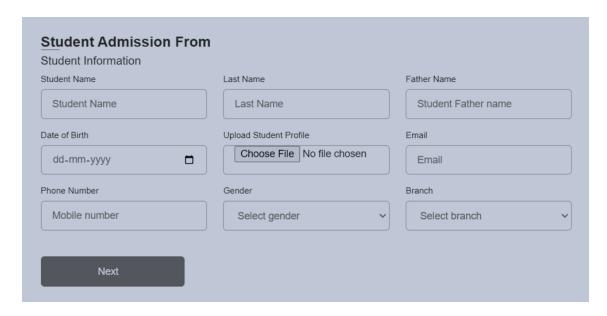
I have got the offer of 9 Lac per annum. Credit goes to Marwadi University. At Marwadi, the atmosphere is full of motivation and innovation and faculties are enthusiastic and always ready to help, that helps me think out of the box. I thank my parents; my department and placement team for making my dream come true.

#### **Top Recruiters**





#### **Admission From:-**



## **Transportation:**





These are Annualy Fees, fully payable in advance as stated below (with one optional facility):

DESCRIPTION	RAJKOT	GONDAL   MORBI   WAKANER   DHROL   JASDAN
Full Year Fees	Rs. 22,000/-	Rs. 27,000/-
If fees to be paid in Two Installments 1st Installment payable at the time of admission	Rs. 11,500/-	Rs. 14,000/-
2nd Installment PDC Dated 01/12/2022 to be given at the time of admission	Rs. 11,500/-	Rs. 14,000/-

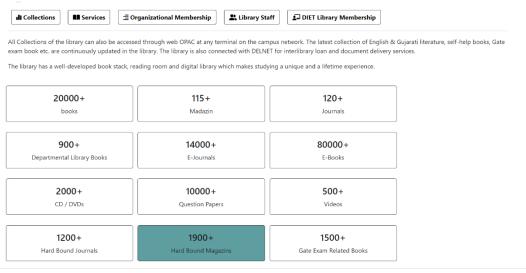
- Jasdan, Kalawad, Nikawa, Metoda(GIDC) route buses are also available if a minimum of 10+ students are confirmed.
   \*Once the services are commenced, 1st half year fees are not refundable. A refund for second-semester transportation fees can be considered if cancellation is applied before 01-01-2023 for half-year fees.
   NO REFUND OF FEES FOR CANCELLATION AFTER 31/12/22
   The Cheque/DD to be drawn in favour of "MARWADI EDUCATION FOUNDATION TRANSPORTATION" Please write Name, GR No. Sem/Branch and Contact No. on the reverse of the cheque for its application.



#### **Placement:**



### Library:-







#### British Counsil Library - Ahmedabad

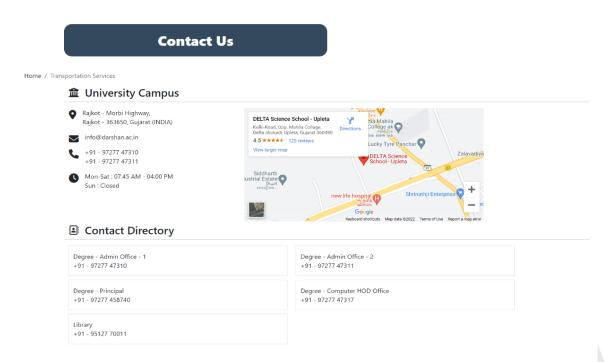
Darshan University is an institutional member of the British Council Library - Ahmedabad. The library has over 20,000 books, DVDs, magazines and newspapers. You can browse through its full collection online or you can visit the library from Tuesday to Sunday.

#### DELNET

Darshan University is also a member of DELNET. DELNET has been established in 1988 by the Government of India with the prime objective of promoting resource sharing among the libraries through the development of a network of libraries. It aims to collect, store, and disseminate information besides offering computerised services to users, coordinate efforts for suitable collection development and also reduce unnecessary duplication wherever possible.



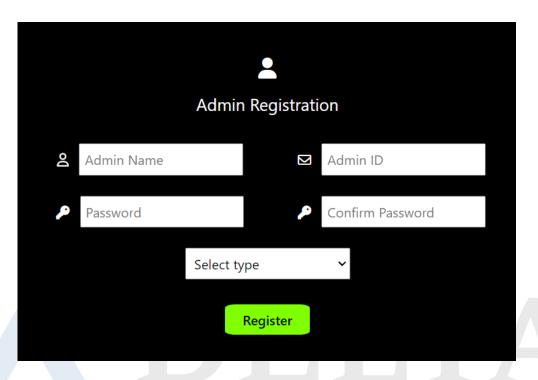
#### Contact us:-



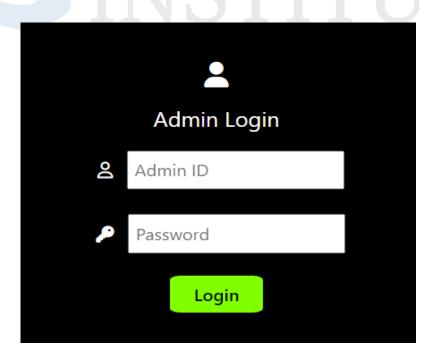


## Admin Side :-

## Admin registration :-



## Admin login:-



### Pending Request:-



### Apporve Request:-

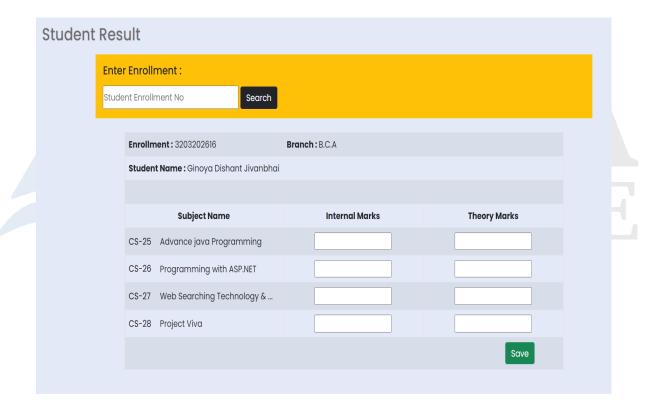
After Approve click.

#### **Give Student Id** Name: Email: Rajput Mayur Parshkumar mayur12@gmail.com Branch: Request Date: 25-Sep-22 B.Com Student id: Enrollment No.: Student I'd Give Enter Enrollment Confirm Password: Password: Give Password Re-Enter Password Done Close

#### Student result :-



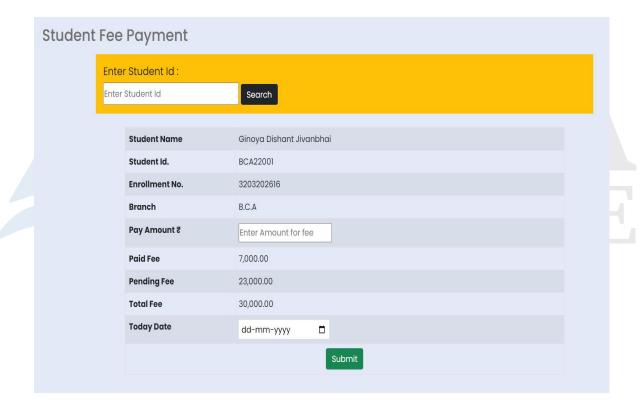
#### After search Enrollment number



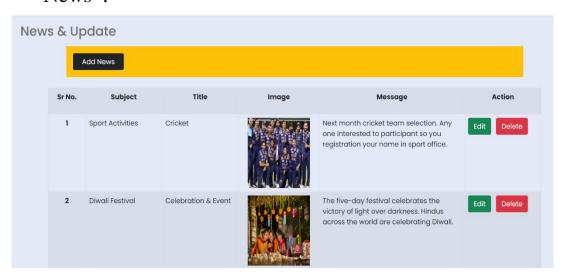
### Student fee :-



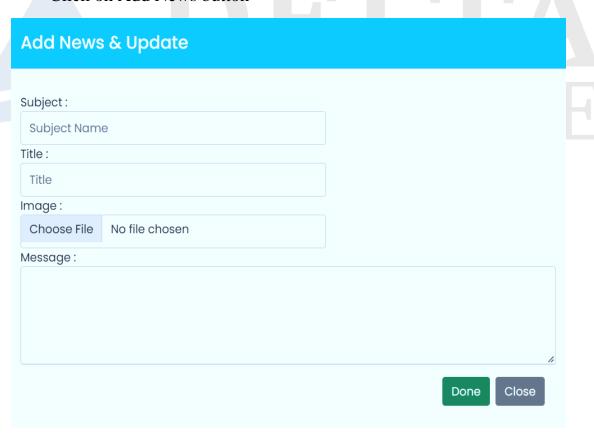
### After search Student id



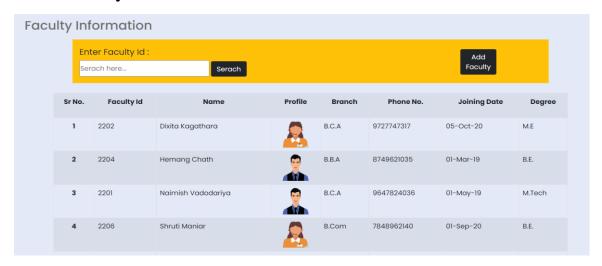
News:-



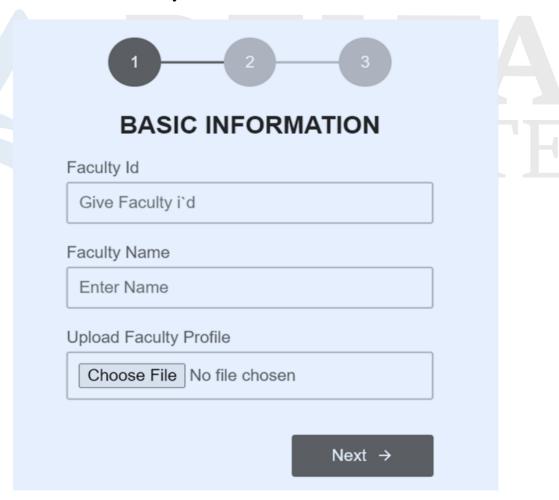
#### Click on Add News button



## Faculty info:-

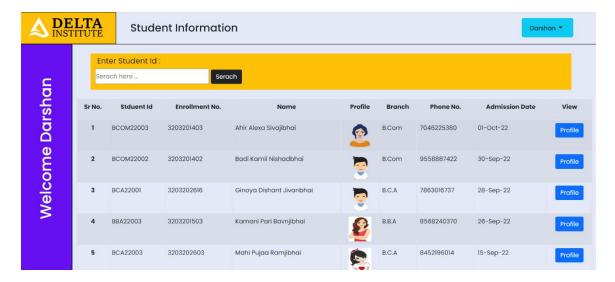


#### On Click Add Faculty



#### Staff Side:-

#### Student info:-

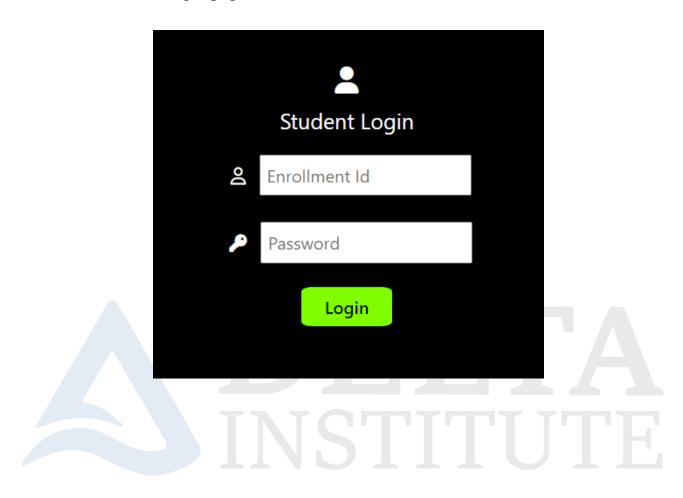


### Student profile:-

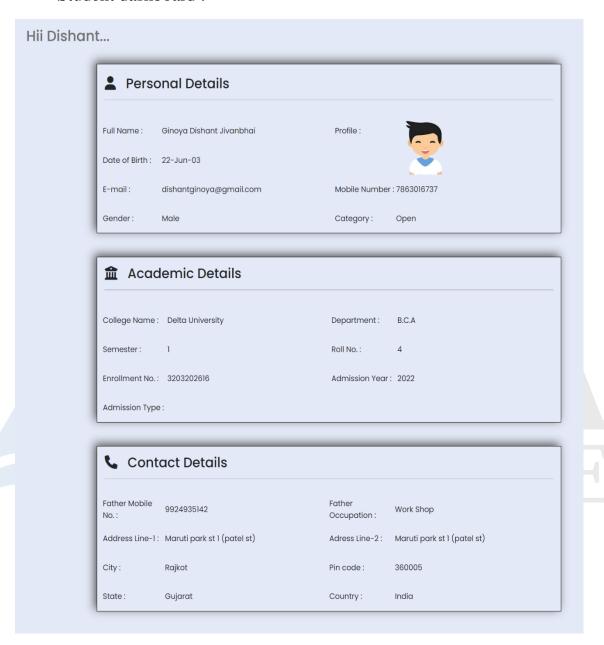


### **Student Side:**

Stuent Login page :-



#### Student dashboard :-



### Sudent reuslt:-

#### Result

<b>DELTA</b> INSTITUTE	Delta University									
Enrollment No : 3203202616										
Student Name: Ginoya Dishant Jivanbhai										
Exam Name :										
Acadamy Year :										
Examination Center:										
SUBJECT NAME		MIN / MAX MARKS				OBTAINED MA			RKS GRADI	
	INT	PR	TH	TOTAL	INT	PR	TH	TOTAL		
CS-25 Advance java Programming	6/30	-	28/70	40/100	21	-	30	51	D	
CS-26 Programming with ASP.NET	6/30	-	28/70	40/100	25	-	50	75	В	
CS-27 Web Searching Technology &	6/30	-	28/70	40/100	24	-	42	66	С	
CS-28 Project Viva	6/30	-	28/70	40/100	26	-	26	52	D	
						Obtained Marks:			244/600	
								Resu	lt:FAIL	

## Sudent fee recipet print :-

<b>△</b> DELTA INSTITUTE	Detla Institute					
Receipt No.: 124	Date: 2022-09-28					
Name : Ginoya Dishant Jivanbhai	Enrollment No.: 3203202616					
Branch : B.C.A	Semester: 5					
Fee:	Pay: 200					
	Paid: 7400					
	pending: 22400					
Signature :	Total: 30000					

## Test Case

Test	Test Case	Test Case	Test Steps				
Case Id	Name	Description	Step	Expected			
Login	Validation of Email and id	To check Email ID that must be already in system	Enter user name as "abc@gmail.com" if this present in system than it is accepted.	Email ID accepted			
ID m email To ch ID m		To check Email ID must be valid email address	Enter user name as invalid email address "12345abcde"	Email ID must not be accepted			
		To check Email ID must not be empty	Submitted with empty user name field	User name must not be accepted			
Regist- ration	Required field validation	Check if any of the field with required in registration form is empty or not	Form submitted with any empty field	Form must not be submitted with empty fields			
		To check ID and Enrollment that must be already in system	Enter Register student id and Enrollment already in system then Not accepted.	Not accepted Student id and Enrolment			
	Compare Validation	To check Student ID and Enrollment that must be already in system	Enter Register student id and Enrollment already in system then Not accepted.	Not accepted Student id and Enrolment			
	To check Mobile No Must be valid	To check Mobile no must be 10 Numbers	Mobil no accepted "9882555946"	Not accepted Mobil no			
	Pincode no Validation of Pincode no		Pincode No must be enter 6 number Valid No:360480 Not valid no:3604801	Not accepted Pincode			

## Gantt Chart

No.	Deception	JUNE		JULY			AUGS			SEPT
		19/6	21/6	1/7	11/7	21/7	1/8	11/8	25/8	21/9
1	Requirement Gathering									
2	Analysis									
3	Designing									
4	Coding									
5	Testing									
6	Implementation									
7	Report									

## Work Experience

We take this opportunity to express my deepest gratitude and appreciation to all those people who made this project work easier with words of encouragement, motivation and helped us towards the successful completion of this project work.

Our project guied **Mrs. Meera Barai** provided a full support to us. They always helped us just like a friends and companion and not just as professional guide they provide the information required by us any time. They personally worked hard for our project.

Also the other faculty members related to the computer department never denied to help us. For instant the topic such as JavaScript and PHP which were not in our syllabus but were used in our project were taught to us by them any problem by us in our dream project was immediately sorted out by them. Also the institute has provided us the immense help by leap and bounds.

Last but not the least the overall experience of developing this project is as good as studying an entire new subject and fuelling up our knowledge banks.

## Conclusion

With the permission from the **Saurashtra University**, to developed a system that would computerize the "**Institute Management System for Delta Institute**". Activities, the system analyst has been able to come to a successful end of the journey that has him thought ups and down.

As he concludes, he is grateful that the system will be able to serve its indented purposed and meet its objectivity to the satisfaction of the "Institute Management System for Delta Institute" Students and visitors.

The project entitled as **Institute Management System** is the system that deals with the issues related to a particular institution. This project is successfully implemented with all the features mentioned in system requirements specification.

Awareness and right information about any college is essential for both the development of student as well as faculty. So this serves the right purpose in achieving the desired requirements of both the communities

## Bibliography

Bibliography meanes take reference to prepare any project, here I concern the book and website which takes reference is as under.

### **>** Books:-

- PHP
- SAD
- MySQL

## **▶** WEBSITE:-

https://collegedunia.com

www.marwadiuniversity.ac.in

https://www.darshan.ac.in

www.google.com

www.w3school.com