

Project Report on

UNIVERSITY STUDENT MANAGEMENT SYSTEM

Developed by

Modh Dishant (IT-070) Department of IT, DD University
Panchal Jay (IT-079) Department of IT, DD University

Guided By

Internal Guide:

Prof. Vidhi B. Chaudhari

Department of Information Technology

Faculty of Technology

DD University



Department of Information Technology
Faculty of Technology, Dharm Singh Desai University
College Road, Nadiad-387001
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DHARMSINH DESAI UNIVERSITY
NADIAD-387001, GUJARAT



CERTIFICATE

This is to certify that the project entitled "**UNIVERSITY STUDENT MANAGEMENT SYSTEM**" is benefited

report of the work carried out by

1) **Mr Dishant Modh**, Student ID No: **18ITUBN116**

2) **Mr. Jay Panchal**, Student ID No: **18ITUBS003**

of Department of Information Technology, semester V, under the guidance and supervision for the subject Database Management System. They were involved in Project training during academic year 2020-2021.

Prof. Vidhi B. Chaudhari

(Project Guide)

Department of Information Technology,

Faculty of Technology,

Dharmsinh Desai University, Nadiad Date:

Prof. Vipul Dabhi

Head, Department of Information Technology,

Faculty of Technology,

Dharmsinh Desai University, Nadiad Date:

ACKNOWLEDGEMENT

We would like to give our sincere acknowledgement to everybody responsible for the successful completion of our project “UNIVERSITY STUDENT MANAGEMENT SYSTEM”

The success and final outcome of this project required a lot of guidance and assistance from many people and we are extremely privileged to have got this all along the completion of this project.

We owe our deep gratitude to our project guide Prof. Roshni M. Raval, who took been interest on our project work and guided us all along till the completion of our project work by providing all the necessary help for developing a good Database System.

We would also like to thank all our lecturers.

Finally we convey our acknowledgement to all our friends and family members who directly or indirectly associated with us in the successful completion of the project. We thank one and all.

Thanking You,
Modh Dishant (IT-070)
Panchal Jay (IT-079)

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1.SYSTEM OVERVIEW

1.1 CURRENT SYSTEM

University Student Management System is engineered to effectively administer every aspect of a University\College Student problem which they face while entering into new University\College at any unknown place. Any Student who enters into new University/College they face some basic and huge problem like Finding PG\Hostel, Senior Contact for some notes, College Book's for reading or if they want to buy them, and also for eating it will show restaurants.

It will also show the different type of Activity organised by his/her particular University/College and it also show the different Event's occurring in his/her University/College.

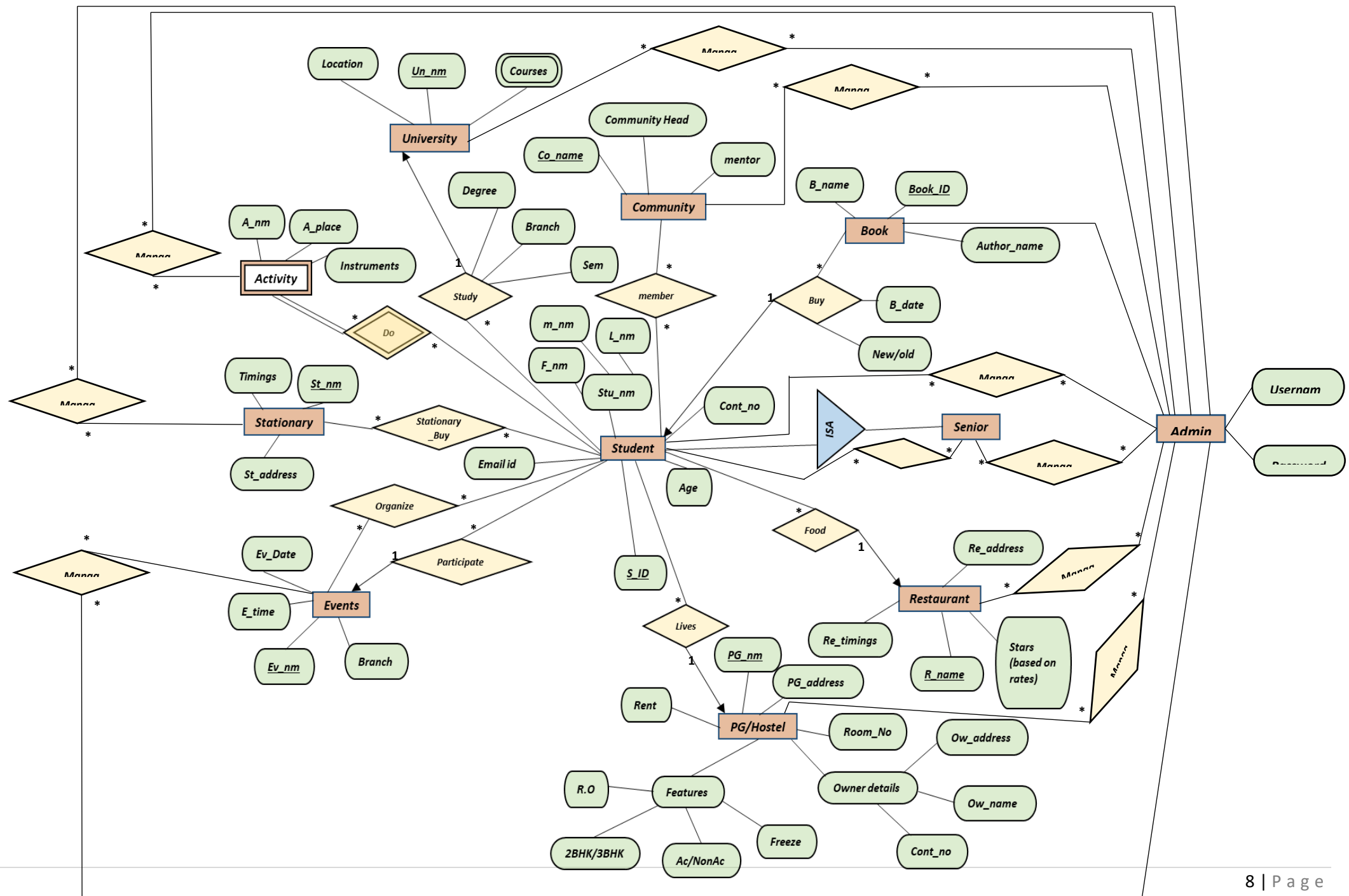
1.2 OBJECTIVES OF THE PROPOSED SYSTEM

- Students can easily find Broker's for their Living, can easily get information for nearby restaurant for their Eating.
- Getting contact of their Senior form which, they can get help.
- They can contact their Activity Head easily.

1.3 ADVANTAGES OF STUDENT MANAGEMENT SYSTEM


- Through this system we try to achieve the below objectives
- To help students by providing study material from their seniors
- Students can know all the available restaurants and caters for their breakfast, lunch and dinner.
- Students can explore their interest by doing activities
- Students can find rent house or hostel easily.
- Students can also get their second-hand study material help easily.
- Also, they find Stationery and Xerox stuff easily.
- By using this system students can easily figure out which stationary or restaurants or Hostels are good for them, facility wise as well as price wise.

2.ER DIAGRAM





3. REALATIONAL DATA BASE


3.1 University

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	University_Name 	varchar(30)	utf8mb4_general_ci		No	None		
2	Location	varchar(200)	utf8mb4_general_ci		No	None		


3.2 Activity

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	S_ID 	varchar(10)	utf8mb4_general_ci		Yes	NULL		
2	activity_Name 	varchar(10)	utf8mb4_general_ci		No	None		
3	Activity_Place	varchar(20)	utf8mb4_general_ci		No	None		
4	Instruments	varchar(10)	utf8mb4_general_ci		No	None		


3.3 Courses

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	University_Name 	varchar(30)	utf8mb4_general_ci		Yes	NULL		
2	Courses_Name	varchar(10)	utf8mb4_general_ci		No	None		


3.4 Stationary

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	Timmings	time			No	None		
2	Stationary_Name 	varchar(10)	utf8mb4_general_ci		No	None		
3	Stationary_Address	varchar(200)	utf8mb4_general_ci		No	None		


3.5 Events

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	Event_Date_Start	timestamp			No	current_timestamp()		ON UPDATE CURRENT_TIMESTAMP()
2	Event_Date_End	datetime			No	None		
3	Event_Name 	varchar(20)	utf8mb4_general_ci		No	None		
4	Branch	varchar(10)	utf8mb4_general_ci		No	None		


3.6 Book

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	Book_Name	varchar(10)	utf8mb4_general_ci		No	None		
2	Book_ID 	decimal(5,0)			No	None		
3	Author_Name	varchar(20)	utf8mb4_general_ci		No	None		
4	Buy_Date	date			No	None		
5	New_Old	varchar(5)	utf8mb4_general_ci		No	None		


3.7 Restaurant

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	Re_Address	varchar(200)	utf8mb4_general_ci		No	None		
2	Re_Name 	varchar(20)	utf8mb4_general_ci		No	None		
3	Re_Timing_Start	time			No	None		
4	Re_Timing_End	time			No	None		
5	Star	int(11)			No	None		
6	B_L_D	varchar(20)	utf8mb4_general_ci		No	None		






3.8 Pg_Hostel

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	PG_Name 	varchar(20)	utf8mb4_general_ci		No	None		
2	PG_Address	varchar(200)	utf8mb4_general_ci		No	None		
3	Room_Number	decimal(5,0)			No	None		
4	Owner_Address	varchar(200)	utf8mb4_general_ci		Yes	NULL		
5	Owner_Contact	decimal(10,0)			No	None		
6	Rent	varchar(20)	utf8mb4_general_ci		No	None		
7	RO	varchar(10)	utf8mb4_general_ci		No	None		
8	Sharing Room	varchar(10)	utf8mb4_general_ci		No	None		
9	AC_NONAC	varchar(10)	utf8mb4_general_ci		No	None		
10	Freeze	varchar(10)	utf8mb4_general_ci		No	None		
11	Type	varchar(10)	utf8mb4_general_ci		Yes	NULL		

3.9 Community

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	Mentor_Name	varchar(25)	utf8mb4_general_ci		Yes	NULL		
2	Community_Head	varchar(25)	utf8mb4_general_ci		No	None		
3	Community_Name 	varchar(25)	utf8mb4_general_ci		No	None		

3.10 Student

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	First_Name	varchar(10)	utf8mb4_general_ci		No	None		
2	Middle_Name	varchar(10)	utf8mb4_general_ci		Yes	NULL		
3	Last_Name	varchar(10)	utf8mb4_general_ci		No	None		
4	Email_ID	varchar(20)	utf8mb4_general_ci		Yes	NULL		
5	S_ID 	varchar(10)	utf8mb4_general_ci		No	None		
6	Age	decimal(2,0)			No	None		
7	Contact_Number	decimal(10,0)			No	None		
8	Event_Name 	varchar(20)	utf8mb4_general_ci		Yes	NULL		
9	PG_Name 	varchar(20)	utf8mb4_general_ci		Yes	NULL		
10	Re_Name 	varchar(20)	utf8mb4_general_ci		Yes	NULL		
11	University_Name 	varchar(30)	utf8mb4_general_ci		Yes	NULL		
12	Degree	varchar(10)	utf8mb4_general_ci		No	None		
13	Branch	varchar(10)	utf8mb4_general_ci		No	None		
14	Sem	decimal(1,0)			No	None		
15	Gender	varchar(10)	utf8mb4_general_ci		No	None		



3.11 Stationary_Buy

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	S_ID 🔑	varchar(10)	utf8mb4_general_ci		Yes	<i>NULL</i>		
2	stationary_Name 🔑	varchar(10)	utf8mb4_general_ci		No	<i>None</i>		



3.12 Admin

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	UserName 🔑	varchar(20)	utf8mb4_general_ci		No	<i>None</i>		
2	Password	varchar(20)	utf8mb4_general_ci		No	<i>None</i>		
3	S_ID 🔑	varchar(10)	utf8mb4_general_ci		Yes	<i>NULL</i>		
4	PG_Name 🔑	varchar(20)	utf8mb4_general_ci		Yes	<i>NULL</i>		
5	Re_Name 🔑	varchar(20)	utf8mb4_general_ci		Yes	<i>NULL</i>		
6	Event_Name 🔑	varchar(20)	utf8mb4_general_ci		Yes	<i>NULL</i>		
7	University_Name 🔑	varchar(30)	utf8mb4_general_ci		Yes	<i>NULL</i>		
8	Book_ID 🔑	decimal(5,0)			Yes	<i>NULL</i>		
9	community_Name 🔑	varchar(25)	utf8mb4_general_ci		No	<i>None</i>		
10	activity_Name 🔑	varchar(10)	utf8mb4_general_ci		No	<i>None</i>		
11	stationary_Name 🔑	varchar(10)	utf8mb4_general_ci		Yes	<i>NULL</i>		

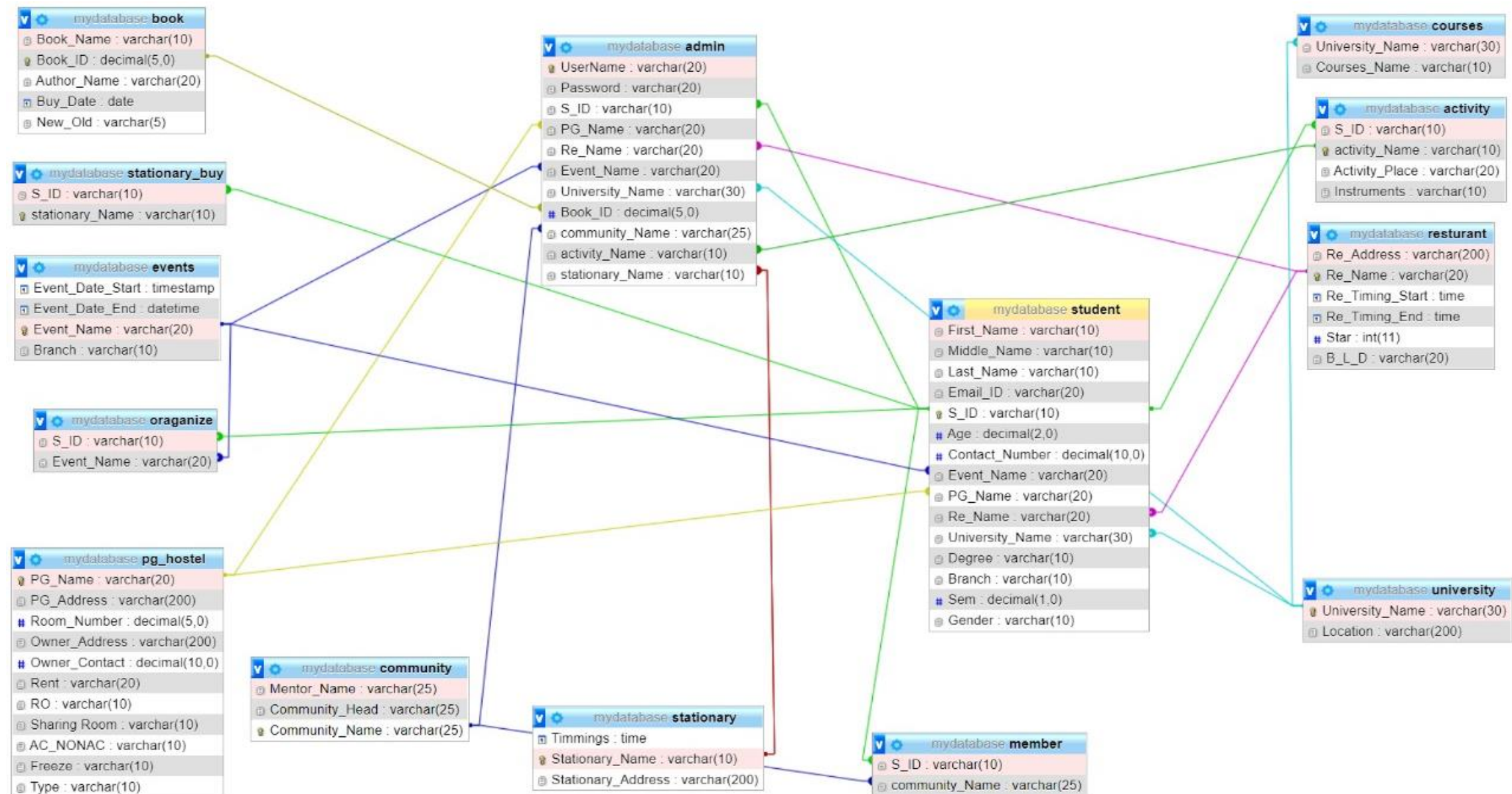
3.13 Member

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	S_ID 	varchar(10)	utf8mb4_general_ci		Yes	<i>NULL</i>		
2	community_Name 	varchar(25)	utf8mb4_general_ci		Yes	<i>NULL</i>		

3.14 Organize

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	S_ID 	varchar(10)	utf8mb4_general_ci		Yes	<i>NULL</i>		
2	Event_Name 	varchar(20)	utf8mb4_general_ci		No	<i>None</i>		

4.SCHEMA DIAGRAM



5.DATABASE IMPLEMENTATION

5.1 CREATE SCHEMA

5.1.1 Student

```
CREATE TABLE STUDENT (First_Name VARCHAR(10) NOT NULL, Middle_Name VARCHAR(10) DEFAULT NULL, Last_Name VARCHAR(10) NOT NULL, Email_ID VARCHAR(20) DEFAULT NULL, S_ID VARCHAR(10) PRIMARY KEY, Age DECIMAL(2) NOT NULL, Contact_Number DECIMAL(10) NOT NULL, Event_Name VARCHAR(10), PG_Name VARCHAR(20), Re_Name VARCHAR(10), University_Name VARCHAR(30), Degree VARCHAR(10) NOT NULL, Branch VARCHAR(10) NOT NULL, Sem DECIMAL(1) NOT NULL);
```

```
ALTER TABLE `student` ADD CONSTRAINT `student1` FOREIGN KEY (`Event_Name`) REFERENCES `events` (`Event_Name`);
```

```
ALTER TABLE `student` ADD CONSTRAINT `student2` FOREIGN KEY (`PG_Name`) REFERENCES `pg_hostel` (`PG_Name`);
```

```
ALTER TABLE `student` ADD CONSTRAINT `student3` FOREIGN KEY (`Re_Name`) REFERENCES `resturant` (`Re_Name`);
```

```
ALTER TABLE `student` ADD CONSTRAINT `student4` FOREIGN KEY (`University_Name`) REFERENCES `university` (`University_Name`);
```

5.1.2 Community

```
CREATE TABLE COMMUNITY (Mentor_Name VARCHAR(25) DEFAULT NULL, Community_Head VARCHAR(25) NOT NULL, Community_Name VARCHAR(25) PRIMARY KEY);
```

5.1.3 Stationary

```
CREATE TABLE STATIONARY (Timmings TIME NOT NULL, Stationary_Name VARCHAR(10) PRIMARY KEY, Stationary_Address VARCHAR(200) NOT NULL);
```

5.1.4 Event

```
CREATE TABLE EVENTS(Event_Date_Start TIMESTAMP NOT NULL, Event_Date_End DATETIME NOT NULL, Event_Name VARCHAR(20) PRIMARY KEY, Branch VARCHAR(10) NOT NULL);
```

5.1.5 Book

```
CREATE TABLE BOOK (Book_Name VARCHAR(10) NOT NULL, Book_ID DECIMAL(5) PRIMARY KEY, Author_Name VARCHAR(20) NOT NULL, Buy_Date DATE NOT NULL, New_Old VARCHAR(5) NOT NULL);
```

5.1.6 Pg_Hostel

```
CREATE TABLE PG_HOSTEL (PG_Name VARCHAR(20) PRIMARY KEY, PG_Address varchar(200) NOT NULL, Room_Number DECIMAL(5) NOT NULL, Owner_Address VARCHAR(200) DEFAULT NULL, Owner_Contact DECIMAL(10) NOT NULL, Rent VARCHAR(20) NOT NULL, RO VARCHAR(10) NOT NULL, TWO_BHK_3BHK VARCHAR(10) NOT NULL, AC_NONAC VARCHAR(10) NOT NULL, Freeze VARCHAR(10) NOT NULL);
```

5.1.7 Restaurant

```
CREATE TABLE Resturant (Re_Address VARCHAR(200) NOT NULL, Re_Name VARCHAR(20) PRIMARY KEY, Re_Timing_Start TIME NOT NULL, Re_Timing_End TIME NOT NULL, Star INT NOT NULL, B_L_D VARCHAR(20) NOT NULL);
```

5.1.8 Admin

```
CREATE TABLE ADMIN (UserName VARCHAR(20) PRIMARY KEY, Password VARCHAR(20) NOT NULL, S_ID VARCHAR(10), PG_Name VARCHAR(20), Re_Name VARCHAR(20), Event_Name VARCHAR(20), University_Name VARCHAR(10), Book_ID DECIMAL(5), community_Head VARCHAR(10) NOT NULL, Acitivity_Name VARCHAR(10) NOT NULL, stationary_Name VARCHAR(10))
```

```
ALTER TABLE `admin` ADD CONSTRAINT `amin1213` FOREIGN KEY (`stationary_Name`) REFERENCES `stationary` (`stationary_Name`)
```

5.1.9 Organize

```
CREATE TABLE Oorganize(S_ID VARCHAR(10), Event_Name VARCHAR(10) PRIMARY KEY)
```

5.1.10 Stationary_Buy

```
CREATE TABLE stationary_Buy (S_ID VARCHAR(10), stationary_Name VARCHAR(10) PRIMARY KEY)
```

```
ALTER TABLE `stationary_buy` ADD CONSTRAINT `sb` FOREIGN KEY (`S_ID`) REFERENCES `student` (`S_ID`)
```

5.1.11 Member

```
CREATE TABLE member (S_ID VARCHAR(10),community_Name VARCHAR(25));
```

```
ALTER TABLE `member` ADD CONSTRAINT `m2` FOREIGN KEY (`S_ID`) REFERENCES `student` (`S_ID`);
```

```
ALTER TABLE `member` ADD CONSTRAINT `m3` FOREIGN KEY (`community_Name`) REFERENCES `community` (`community_Name`);
```

5.1.12 University

```
CREATE TABLE University (University_Name VARCHAR(30) PRIMARY KEY, Location VARCHAR(200) NOT NULL)
```

5.1.13 Courses

```
CREATE TABLE Courses (University_Name VARCHAR(30), Courses_Name VARCHAR(10) NOT NULL)
```

```
ALTER TABLE `courses` ADD CONSTRAINT `COURSES` FOREIGN KEY (`University_Name`) REFERENCES `university` (`University_Name`)
```

5.1.14 Activity

```
CREATE TABLE Activity (S_ID VARCHAR(10), Activity_Name VARCHAR(10) PRIMARY KEY, Activity_Place VARCHAR(20) NOT NULL, Instruments VARCHAR(10) NOT NULL)
```

5.2 INSERT DATA VALUE

5.2.1 Student

```
INSERT INTO `student`(`First_Name`, `Middle_Name`, `Last_Name`, `Email_ID`, `S_ID`, `Age`, `Contact_Number`, `Event_Name`, `PG_Name`, `Re_Name`,
`University_Name`, `Degree`, `Branch`, `Sem`) VALUES ('Dishant','H','Modh','dishant@gmail.com','1', 18, 9512100731,'BreakUp Day','Royal Care','Prime
Dinning Hall','Dharmsinh Desai','B.Tech','IT',5,'Male');
```

```
INSERT INTO `student`VALUES ('Twieny','Korat','trkorat76@gmail.com','2', 18, 9428666531,'Coding war','Blossom','Hotel Vandan','IIT-
Gandhinagar','B.Tech','CSE',5,'Female');
```

```
INSERT INTO `student`VALUES ('Divyesh','D','Chotaliya','dc2310@gmail.com','3', 17, 6356275041,'Cycle Marathon','Shakti','Law
Canteen','Nirma','B.Tech','CS',7,'Male');
```

```
INSERT INTO `student`VALUES ('Jay','Panchal','jaypanchal@gmail.com','4', 22, 9586986565,'Falicific','Aarav Hostel','Panihari
restaurant','GMIT','B.Tech','IT',1,'Male');
```

```
INSERT INTO `student`VALUES ('Shivani','K','Modi','shivanimodi@gmail.com','5', 19, 7889455622,'Photography','Samaras','Virat fast-
food','DaICT','B.Tech','ICT',3,'Female');
```

First_Name	Middle_Name	Last_Name	Email_ID	S_ID	Age	Contact_Number	Event_Name	PG_Name	Re_Name	University_Name	Degree	Branch	Sem	Gender
Dishant	H	Modh	dishant@gmail.com	1	18	9512100731	BreakUp Day	Royal Care	Prime Dinning Hall	Dharmsinh Desai	B.Tech	IT	5	Male
Twieny		Korat	trkorat76@gmail.com	2	18	9428666531	Coding war	Blossom	Hotel Vandan	IIT-Gandhinagar	B.Tech	CSE	5	Female
Divyesh	D	Chotaliya	dc2310@gmail.com	3	17	6356275041	Cycle Marathon	Shakti	Law Canteen	Nirma	B.Tech	CS	7	Male
Jay		Panchal	jaypanchal@gmail.com	4	22	9586986565	Falicific	Aarav Hostel	Panihari restaurant	GMIT	B.Tech	IT	1	Male
Shivani	K	Modi	shivanimodi@gmail.co	5	19	7889455622	Photography	Samaras	Virat fast-food	DaICT	B.Tech	ICT	3	Female

5.2.2 Community

INSERT INTO `community`(`Mentor_Name`, `Community_Head`, `Community_Name`) VALUES ('Harsh Raval', 'Dhrumil Shah', 'Drama Kids');

INSERT INTO `community`(`Mentor_Name`, `Community_Head`, `Community_Name`) VALUES ('Devarshi Sathiya', 'Dhruvit Patel', 'Coder Gang');

INSERT INTO `community`(`Mentor_Name`, `Community_Head`, `Community_Name`) VALUES ('Priyank Shah', 'Raghavendra Gohil', 'DDU Connet');

INSERT INTO `community`(`Mentor_Name`, `Community_Head`, `Community_Name`) VALUES ('Krutik Bhatt', 'Archit Italiya', 'Photo Rider');

INSERT INTO `community`(`Mentor_Name`, `Community_Head`, `Community_Name`) VALUES ('Jay Lakhani', 'Jay Mangukia', 'DSC');

Mentor_Name	Community_Head	Community_Name
Devarshi Sathiya	Dhruvit Patel	Coder Gang
Priyank Shah	Raghavendra Gohil	DDU Connet
Harsh Raval	Dhrumil Shah	Drama Kids
Jay Lakhani	Jay Mangukia	DSC
Krutik Bhatt	Archit Italiya	Photo Rider

5.2.3 Stationary

INSERT INTO `stationary`(`Timings`, `Stationary_Name`, `Stationary_Address`) VALUES ('09:00:00','Samir','Shivalik Building, 1, Atabhai Rd, Bhavnagar');

INSERT INTO `stationary`(`Timings`, `Stationary_Name`, `Stationary_Address`) VALUES ('11:00:00','Mahajan','Nirma University, Ahmedabad');

INSERT INTO `stationary`(`Timings`, `Stationary_Name`, `Stationary_Address`) VALUES ('09:00:00','Vidhyarthi','Shop No.1653, Shopping Center, Sector-3/A, Sector 3, Gandhinagar');

INSERT INTO `stationary`(`Timings`, `Stationary_Name`, `Stationary_Address`) VALUES ('10:00:00','Jay Book ',' Sector 11, Gandhinagar');

INSERT INTO `stationary`(`Timings`, `Stationary_Name`, `Stationary_Address`) VALUES ('09:00:00','Student Book','13/14, Chanakya Complex, Vania Vad, Nairobi Colony, Nadiad');

Timmings	Stationary_Name	Stationary_Address
10:00:00	Jay Book	Sector 11, Gandhinagar
11:00:00	Mahajan	Nirma University, Ahmedabad
09:00:00	Samir	Shivalik Building, 1, Atabhai Rd, Bhavnagar
09:00:00	Student Bo	13/14, Chanakya Complex, Vania Vad, Nairobi Colony...
09:00:00	Vidhyarthi	Shop No.1653, Shopping Center, Sector-3/A, Sector ...

5.2.4 Event

```
INSERT INTO `events`(`Event_Date_Start`, `Event_Date_End`, `Event_Name`, `Branch`) VALUES ('2019-12-09 10:00:00','2019-12-09 22:00:00','Cycle Marathon','All');
```

```
INSERT INTO `events`(`Event_Date_Start`, `Event_Date_End`, `Event_Name`, `Branch`) VALUES ('2020-01-26 07:00:00','2020-01-27 18:00:00','Photography','All');
```

```
INSERT INTO `events`(`Event_Date_Start`, `Event_Date_End`, `Event_Name`, `Branch`) VALUES ('2020-02-14 10:00:00','2020-02-15 22:00:00','BreakUp Day','All');
```

```
INSERT INTO `events`(`Event_Date_Start`, `Event_Date_End`, `Event_Name`, `Branch`) VALUES ('2020-03-07 18:00:00','2020-03-17 23:00:00','Falicific','All');
```

```
INSERT INTO `events`(`Event_Date_Start`, `Event_Date_End`, `Event_Name`, `Branch`) VALUES ('2020-03-18 10:00:00','2020-03-20 22:00:00','Coding war','IT');
```

Event_Date_Start	Event_Date_End	Event_Name	Branch
2020-02-14 10:00:00	2020-02-15 22:00:00	BreakUp Day	All
2020-03-18 10:00:00	2020-03-20 22:00:00	Coding war	IT
2019-12-09 10:00:00	2019-12-09 22:00:00	Cycle Marathon	All
2020-03-07 18:00:00	2020-03-17 23:00:00	Falicific	All
2020-01-26 07:00:00	2020-01-27 18:00:00	Photography	All

5.2.5 Book

```
INSERT INTO `book`(`Book_Name`, `Book_ID`, `Author_Name`, `Buy_Date`, `New_Old`) VALUES ('ANSI C', 1, 'E Balaguruswami', '2020-07-01', 'New');
```

```
INSERT INTO `book`(`Book_Name`, `Book_ID`, `Author_Name`, `Buy_Date`, `New_Old`) VALUES ('DDC', 2, 'Morris Manno', '2019-06-26', 'Old');
```

```
INSERT INTO `book`(`Book_Name`, `Book_ID`, `Author_Name`, `Buy_Date`, `New_Old`) VALUES ('DAA', 3, 'Cormen', '2020-08-05', 'Old');
```

```
INSERT INTO `book`(`Book_Name`, `Book_ID`, `Author_Name`, `Buy_Date`, `New_Old`) VALUES ('VILE BODIES', 4, 'EVELYN WAUGH', '2020-02-01', 'New');
```

```
INSERT INTO `book`(`Book_Name`, `Book_ID`, `Author_Name`, `Buy_Date`, `New_Old`) VALUES ('PALE FIRE', 5, 'VLADIMIR NABOKOV', '2020-12-31', 'New');
```

Book_Name	Book_ID	Author_Name	Buy_Date	New_Old
ANSI C	1	E Balaguruswami	2020-07-01	New
DDC	2	Morris Manno	2019-06-26	Old
DAA	3	Cormen	2020-08-05	Old
VILE BODIE	4	EVELYN WAUGH	2020-02-01	New
PALE FIRE	5	VLADIMIR NABOKOV	2020-12-31	New

5.2.6 pg_hostel

```
INSERT INTO `pg_hostel` VALUES ('Royal Care','Canal Rd, Nadiad', 1407, 'Canal Rd, Nadiad', 02686544552, '100000/year', 'Yes','3  
Sharing','Both','Yes','Boys');
```

```
INSERT INTO `pg_hostel` VALUES ('Aarav Hostel','Canal Rd, Bhavnagar', 7, 'Canal Rd, Bhavnagar', 02686544557, '74500/year', 'Yes','3  
Sharing','Both','Yes','Both');
```

```
INSERT INTO `pg_hostel` VALUES ('Blossom','ITC centre, Anna Salai, Gandhinagar', 17, 'ITC centre, Anna Salai, Gandhinagar', 02686544570, '50000/year',  
'Yes','2 Sharing','Both','Yes','Girl');
```


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University Student Management System

```
INSERT INTO `pg_hostel` VALUES ('Samaras','Kalavad Road, Gandhinagar', 14, 'Kalavad Road, Gandhinagar', 02686544100, '25000/year' , 'Yes','3 Sharing','Both','Yes','Girls');
```

```
INSERT INTO `pg_hostel` VALUES ('Shakti','Nehru road, Ahemdabad', 1407, 'Nehru road, Ahemdabad', 02686545555, '50000/year' , 'Yes','3 Sharing','Both','Yes','Boys');
```

PG_Name	PG_Address	Room_Number	Owner_Address	Owner_Contact	Rent	RO	Sharing Room	AC_NONAC	Freeze	Type
Aarav Hostel	Canal Rd, Bhavnagar	7	Canal Rd, Bhavnagar	2686544557	74500/year	Yes	3 Sharing	Both	Yes	Both
Blossom	ITC centre, Anna Salai, Gandhinagar	17	ITC centre, Anna Salai, Gandhinagar	2686544570	50000/year	Yes	2 Sharing	Both	Yes	Girl
Royal Care	Canal Rd, Nadiad	1407	Canal Rd, Nadiad	2686544552	100000/year	Yes	3 Sharing	Both	Yes	Boys
Samaras	Kalavad Road, Gandhinagar	14	Kalavad Road, Gandhinagar	2686544100	25000/year	Yes	3 Sharing	Both	Yes	Girls
Shakti	Nehru road, Ahemdabad	1407	Nehru road, Ahemdabad	2686545555	50000/year	Yes	3 Sharing	Both	Yes	Boys

5.2.7 Restaurant

```
INSERT INTO `resturant`(`Re_Address`, `Re_Name`, `Re_Timing_Start`, `Re_Timing_End`, `Star`, `B_L_D`) VALUES ('Ground Floor, Prime Square,Opp. Amba Ashram,Uttarsanda Road, near DDIT College, Nadiad','Prime Dinning Hall','10:30:00','22:00:00', 4, 'All');
```

```
INSERT INTO `resturant`(`Re_Address`, `Re_Name`, `Re_Timing_Start`, `Re_Timing_End`, `Star`, `B_L_D`) VALUES ('DA IICT Rd, Infocity, Gandhinagar','Virat fast-food','10:00:00','23:00:00', 4 , 'All');
```

```
INSERT INTO `resturant`(`Re_Address`, `Re_Name`, `Re_Timing_Start`, `Re_Timing_End`, `Star`, `B_L_D`) VALUES ('Diversion Rd, Gandhinagar','Hotel Vandan','11:00:00','23:30:00', 3, 'All');
```

```
INSERT INTO `resturant`(`Re_Address`, `Re_Name`, `Re_Timing_Start`, `Re_Timing_End`, `Star`, `B_L_D`) VALUES ('Nirma University, Nirma University Rd, Ahmedabad','Law Canteen','08:00:00','20:00:00', 4.5, 'All');
```

```
INSERT INTO `resturant`(`Re_Address`, `Re_Name`, `Re_Timing_Start`, `Re_Timing_End`, `Star`, `B_L_D`) VALUES ('Panihari Restaurant, Nr. Gyanmanjari School, Kaliyabid, Bhavnagar','Panihari Restaurant','08:00:00','23:00:00', 4, 'All');
```

Re_Address	Re_Name	Re_Timing_Start	Re_Timing_End	Star	B_L_D
Diversion Rd, Gandhinagar	Hotel Vandan	11:00:00	23:30:00	3	All
Nirma University, Nirma University Rd, Ahmedabad	Law Canteen	08:00:00	20:00:00	5	All
Panihari Restaurant, Nr. Gyanmanjari School, Kaliy...	Panihari Restaurant	08:00:00	23:00:00	4	All
Ground Floor, Prime Square, Opp. Amba Ashram, Uttars...	Prime Dinning Hall	10:30:00	22:00:00	4	All
DA IICT Rd, Infocity, Gandhinagar	Virat fast-food	10:00:00	23:00:00	4	All

5.2.8 Admin

```
INSERT INTO `admin`(`UserName`, `Password`, `S_ID`, `PG_Name`, `Re_Name`, `Event_Name`, `University_Name`, `Book_ID`, `community_Name`,
`activity_Name`, `stationary_Name`) VALUES ('Admin', 'admin1', '1', 'Aarav Hostel', 'Prime Dinning Hall', 'BreakUp day', 'Dharmsinh Desai', '1', 'Drama
Kids', 'Cricket', 'Student Bo');
```

```
INSERT INTO `admin`(`UserName`, `Password`, `S_ID`, `PG_Name`, `Re_Name`, `Event_Name`, `University_Name`, `Book_ID`, `community_Name`,
`activity_Name`, `stationary_Name`) VALUES ('Admin1', 'admin1', '2', 'Blossom', 'Hotel Vandan', 'Coding war', 'IIT-Gandhinagar', '2', 'Coder
Gang', 'Badminton', 'Jay Book');
```

```
INSERT INTO `admin`(`UserName`, `Password`, `S_ID`, `PG_Name`, `Re_Name`, `Event_Name`, `University_Name`, `Book_ID`, `community_Name`,
`activity_Name`, `stationary_Name`) VALUES ('Admin2', 'admin1', '3', 'Shakti', 'Law Canteen', 'Cycle Marathon', 'Nirma', '3', 'DDU Connet', 'Football', 'Mahajan');
```

```
INSERT INTO `admin`(`UserName`, `Password`, `S_ID`, `PG_Name`, `Re_Name`, `Event_Name`, `University_Name`, `Book_ID`, `community_Name`,
`activity_Name`, `stationary_Name`) VALUES ('Admin3', 'admin1', '4', 'Aarav Hostel', 'Panihari Restaurant', 'Falicific', 'GMIT', '4', 'Photo
rider', 'Basketball', 'Samir');
```

```
INSERT INTO `admin`(`UserName`, `Password`, `S_ID`, `PG_Name`, `Re_Name`, `Event_Name`, `University_Name`, `Book_ID`, `community_Name`,
`activity_Name`, `stationary_Name`) VALUES ('Admin4', 'admin1', '5', 'Samaras', 'Virat fast-food', 'Photography', 'DaIICT', '5', 'DSC', 'Music', 'Vidhyarthi');
```

UserName	Password	S_ID	PG_Name	Re_Name	Event_Name	University_Name	Book_ID	community_Name	activity_Name	stationary_Name
Admin	admin1	1	Aarav Hostel	Prime Dinning Hall	BreakUp day	Dharmsinh Desai	1	Drama Kids	Cricket	Student Bo
Admin1	admin1	2	Blossom	Hotel Vandan	Coding war	IIT-Gandhinagar	2	Coder Gang	Badminton	Jay Book
Admin2	admin1	3	Shakti	Law Canteen	Cycle Marathon	Nirma	3	DDU Connet	Football	Mahajan
Admin3	admin1	4	Aarav Hostel	Panihari Restaurant	Falicific	GMIT	4	Photo rider	Basketball	Samir
Admin4	admin1	5	Samaras	Virat fast-food	Photography	DallICT	5	DSC	Music	Vidhyarthi

5.2.9 Organize

```
INSERT INTO `member`(`S_ID`, `Event_Name`) VALUES ('1','BreakUp Day');
```

```
INSERT INTO `member`(`S_ID`, `Event_Name`) VALUES ('2','Coding war');
```

```
INSERT INTO `member`(`S_ID`, `Event_Name`) VALUES ('3','Cycle Marathon');
```

```
INSERT INTO `member`(`S_ID`, `Event_Name`) VALUES ('4','Falicific');
```

```
INSERT INTO `member`(`S_ID`, `Event_Name`) VALUES ('5','Photography');
```

S_ID	Event_Name
1	BreakUp Day
2	Coding war
3	Cycle Marathon
4	Falicific
5	Photography

5.2.10 Stationary_Buy

```
INSERT INTO `stationary_buy`(`S_ID`, `stationary_Name`) VALUES ('1','Student Bo');
```

```
INSERT INTO `stationary_buy`(`S_ID`, `stationary_Name`) VALUES ('2', 'Jay Book');
```

```
INSERT INTO `stationary_buy`(`S_ID`, `stationary_Name`) VALUES ('3','Mahajan');
```

```
INSERT INTO `stationary_buy`(`S_ID`, `stationary_Name`) VALUES ('4','Samir');
```

```
INSERT INTO `stationary_buy`(`S_ID`, `stationary_Name`) VALUES ('5','Vidhyarthi');
```

S_ID	stationary_Name
1	Student Bo
2	Jay Book
3	Mahajan
4	Samir
5	Vidhyarthi

5.2.11 Member

```
INSERT INTO `member`(`S_ID`, `community_Name`) VALUES ('1','Drama Kids');
```

```
INSERT INTO `member`(`S_ID`, `community_Name`) VALUES ('2','Coder Gang');
```

```
INSERT INTO `member`(`S_ID`, `community_Name`) VALUES ('3','DDU Connet');
```

```
INSERT INTO `member`(`S_ID`, `community_Name`) VALUES ('4','Photo Rider');
```

```
INSERT INTO `member`(`S_ID`, `community_Name`) VALUES ('5','DSC');
```

S_ID	community_Name
1	Drama Kids
2	Coder Gang
3	DDU Connet
4	Photo Rider
5	DSC

5.2.12 University

INSERT INTO `university`(`University_Name`, `Location`) VALUES ('Dharmsinh Desai', 'Nadiad');

INSERT INTO `university`(`University_Name`, `Location`) VALUES ('GMIT', 'Survey No.30, Sidsar Road, near Iscon Eleven, Bhavnagar');

INSERT INTO `university`(`University_Name`, `Location`) VALUES ('DaIICT', 'near, DAIICT-campus, Reliance Cross Rd, Gandhinagar');

INSERT INTO `university`(`University_Name`, `Location`) VALUES ('Nirma', 'Sarkhej - Gandhinagar Hwy, Gota, Ahmedabad');

INSERT INTO `university`(`University_Name`, `Location`) VALUES ('IIT-Gandhinagar', 'Indian Institute of Technology, Palaj');

University_Name	Location
DaIICT	near, DAIICT-campus, Reliance Cross Rd, Gandhinaga...
Dharmsinh Desai	Nadiad
GMIT	Survey No.30, Sidsar Road, near Iscon Eleven, Bhav...
IIT-Gandhinagar	Indian Institute of Technology, Palaj
Nirma	Sarkhej - Gandhinagar Hwy, Gota, Ahmedabad

5.2.13 Courses

```
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('DaIICT','ICT');
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('DaIICT','ICT-CS');
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('DaIICT','MnC');
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('Dharmsinh Desai','CH');
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('Dharmsinh Desai','CE');
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('Dharmsinh Desai','IT');
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('Dharmsinh Desai','MH');
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('Dharmsinh Desai','EC');
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('Dharmsinh Desai','IC');
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('Dharmsinh Desai','Civil');
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('Dharmsinh Desai','BCA');
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('Dharmsinh Desai','MBA');
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('Dharmsinh Desai','MCA');
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('Dharmsinh Desai','BDS');
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('Dharmsinh Desai','MBBS');
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('Nirma','CS');
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('Nirma','EC');
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('Nirma','CH');
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('GMIT','CE');
```

[Type here]

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```
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('GMIT','IT');
```

```
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('GMIT','Civil');
```

```
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('IIT-Gandhinagar','CSE');
```

```
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('IIT-Gandhinagar','CH');
```

```
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('IIT-Gandhinagar','Civil');
```

```
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('IIT-Gandhinagar','Biological Engg.');
```

```
INSERT INTO `courses`(`University_Name`, `Courses_Name`) VALUES ('IIT-Gandhinagar','MH');
```

University_Name	Courses_Name
DalICT	ICT
DalICT	ICT-CS
DalICT	MnC
Dharmsinh Desai	CH
Dharmsinh Desai	CE
Dharmsinh Desai	IT
Dharmsinh Desai	MH
Dharmsinh Desai	EC
Dharmsinh Desai	IC
Dharmsinh Desai	Civil
Dharmsinh Desai	BCA
Dharmsinh Desai	MBA
Dharmsinh Desai	MCA
Dharmsinh Desai	BDS
Dharmsinh Desai	MBBS
Nirma	CS
Nirma	EC
Nirma	CH
GMIT	CE
GMIT	IT
GMIT	Civil
IIT-Gandhinagar	CSE
IIT-Gandhinagar	CH
IIT-Gandhinagar	Civil
IIT-Gandhinagar	Biological
IIT-Gandhinagar	MH

5.2.14 Activity

```
INSERT INTO `activity`(`S_ID`, `activity_Name`, `Activity_Place`, `Instruments`) VALUES ('1','Cricket','J&J Ground','');
```

```
INSERT INTO `activity`(`S_ID`, `activity_Name`, `Activity_Place`, `Instruments`) VALUES ('2','Badminton','Aloka Sports','Sitar');
```

```
INSERT INTO `activity`(`S_ID`, `activity_Name`, `Activity_Place`, `Instruments`) VALUES ('3','Football','AKA Arena','Guitar');
```

```
INSERT INTO `activity`(`S_ID`, `activity_Name`, `Activity_Place`, `Instruments`) VALUES ('4','BasketBall','Baketball COurt','');
```

```
INSERT INTO `activity`(`S_ID`, `activity_Name`, `Activity_Place`, `Instruments`) VALUES ('5','Music','RK Music','All');
```

S_ID	activity_Name	Activity_Place	Instruments
1	Cricket	J&J Ground	Cricket Ki
2	Badminton	Aloka Sports	Bad. Kit
3	Football	AKA Arena	Ball
4	BasketBall	Baketball COurt	Ball
5	Music	R K Music	All

5.3 Queries

5.3.1 Give the name of the Restaurant which start earliest at morning.

✓ SELECT * FROM `resturant` WHERE `Re_Timing_Start`=(SELECT MIN(Re_Timing_Start) FROM `resturant`);

Re_Address	Re_Name	Re_Timing_Start	Re_Timing_End	Star	B_L_D
Nirma University, Nirma University Rd, Ahmedabad	Law Canteen	08:00:00	20:00:00	5	All
Panihari Restaurant, Nr. Gyanmanjari School, Kaliy...	Panihari Restaurant	08:00:00	23:00:00	4	All

5.3.2 Find out the name of all the students having 'D' as the first letter in their names.

✓ Select * from `student` where `First_Name` like `D%`;

First_Name	Middle_Name	Last_Name	Email_ID	S_ID	Age	Contact_Number	Event_Name	PG_Name	Re_Name	University_Name	Degree	Branch	Sem	Gender
Dishant	H	Modh	dishant@gmail.com	1	18	9512100731	BreakUp Day	Royal Care	Prime Dinning Hall	Dharmsinh Desai	B.Tech	IT	5	Male
Divyesh	D	Chotaliya	dc2310@gmail.com	3	17	6356275041	Cycle Marathon	Shakti	Law Canteen	Nirma	B.Tech	CS	7	Male

5.3.3 Display All the Information Of pg or hostel which has RO and Freeze both facilities.

✓ SELECT * FROM `pg_hostel` WHERE `RO`='yes' AND `Freeze`='yes'

PG_Name	PG_Address	Room_Number	Owner_Address	Owner_Contact	Rent	RO	Sharing Room	AC_NONAC	Freeze	Type
Aarav Hostel	Canal Rd, Bhavnagar	7	Canal Rd, Bhavnagar	2686544557	74500/year	Yes	3 Sharing	Both	Yes	Both
Blossom	ITC centre, Anna Salai, Gandhinagar	17	ITC centre, Anna Salai, Gandhinagar	2686544570	50000/year	Yes	2 Sharing	Both	Yes	Girl
Royal Care	Canal Rd, Nadiad	1407	Canal Rd, Nadiad	2686544552	100000/year	Yes	3 Sharing	Both	Yes	Boys
Samaras	Kalavad Road, Gandhinagar	14	Kalavad Road, Gandhinagar	2686544100	25000/year	Yes	3 Sharing	Both	Yes	Girls
Shakti	Nehru road, Ahemdabad	1407	Nehru road, Ahemdabad	2686545555	50000/year	Yes	3 Sharing	Both	Yes	Boys

5.3.4 Display university name Along With Number Of courses In Each university In Decreasing Order.

✓ SELECT `University_Name`,COUNT(`Courses_Name`) AS 'No of Courses' FROM `courses` GROUP BY `University_Name` ORDER BY 'No of Courses' DESC

University_Name	No of Courses
DalICT	3
Dharmsinh Desai	12
GMIT	3
IIT-Gandhinagar	5
Nirma	3

5.3.5 Display student full name and email id whose age is between 18 to 20.

✓ SELECT `First_Name`, `Middle_Name`, `Last_Name`, `Age`, `Email_ID` FROM `student` WHERE `Age` BETWEEN 18 AND 20

First_Name	Middle_Name	Last_Name	Age	Email_ID
Dishant	H	Modh	18	dishant@gmail.com
Twieny		Korat	18	trkorat76@gmail.com
Shivani	K	Modi	19	shivanimodi@gmail.co

5.3.6 Give a Boys hostel name whose rent is less than 100000

✓ SELECT `PG_Name`, `PG_Address`, `Room_Number`, `Owner_Address`, `Owner_Contact`, `Rent`, `Type` FROM (SELECT * FROM `pg_hostel` WHERE `Type`="Boys") WHERE rent<100000;

PG_Name	PG_Address	Room_Number	Owner_Address	Owner_Contact	Rent	Type
Shakti	Nehru road, Ahemdabad	1407	Nehru road, Ahemdabad	2686545555	50000	Boys

5.3.7 Print name of the students who studies in GMIT from branch IT.

✓ SELECT `First_Name`, `Middle_Name`, `Last_Name`, `Email_ID`, `Contact_Number`, `University_Name`, `Degree`, `Branch`, `Sem`, `Gender` FROM (SELECT * FROM `student` WHERE `Branch`="IT") WHERE `University_Name`="GMIT";

First_Name	Middle_Name	Last_Name	Email_ID	Contact_Number	University_Name	Degree	Branch	Sem	Gender
Jay		Panchal	jaypanchal@gmail.com	9586986565	GMIT	B.Tech	IT	1	Male

5.3.8 Print student name whose university is located in Nadiad.

- ✓ SELECT `First_Name`,`Middle_Name`,`Last_Name` FROM `university` INNER JOIN `student` ON university.University_Name=student.University_Name WHERE `Location`="Nadiad"

First_Name	Middle_Name	Last_Name
Dishant	H	Modh

5.3.9 Give the name of the student along with their community name.

- ✓ SELECT `First_Name`,`Middle_Name`,`Last_Name`,`community_Name` FROM `student` RIGHT JOIN `member` ON student.S_ID=member.S_ID WHERE 1

First_Name	Middle_Name	Last_Name	community_Name
Dishant	H	Modh	Drama Kids
Twieny		Korat	Coder Gang
Divyesh	D	Chotaliya	DDU Connet
Jay		Panchal	Photo Rider
Shivani	K	Modi	DSC

5.3.10 Print student name from where they buy stationary items.

✓ SELECT `First_Name`, `Middle_Name`, `Last_Name`, `stationary_Name` FROM `student` LEFT JOIN `stationary_buy` ON student.S_ID=stationary_buy.S_ID WHERE 1

First_Name	Middle_Name	Last_Name	stationary_Name
Dishant	H	Modh	Student Bo
Twieny		Korat	Jay Book
Divyesh	D	Chotaliya	Mahajan
Jay		Panchal	Samir
Shivani	K	Modi	Vidhyarthi

5.4 PROCEDURES AND EXCEPTION HANDLING.

5.4.1 Insert Student Data After Checking All the Validation like email ID, Phone No.

DELIMITER \$\$

```
create procedure StuData(IN first_name varchar(10),IN middle_name varchar(10),IN last_name varchar(10),IN email_id varchar(20),IN age
decimal(2,0),IN Contact_Number decimal(10,0),IN event_name varchar(20),IN pg_name varchar(20),IN re_name varchar(20),IN University_name
varchar(30),IN degree varchar(10),IN branch varchar(10),IN sem decimal(1,0),IN gender varchar(10))
```

```
begin
```

```
DECLARE Counter varchar(4);
```

```
select count(s_id) into Counter from student;
```

```
set counter = counter + 1;
```

```
IF email_id like '%@gmail.com' THEN
```

```
    IF length(contact_number) <=> 10 THEN
```

```
        IF (select count(University_name) from University u where u.university_name = University_name) then
```

```
            SELECT 'University Found' AS MESSAGE;
```

```
            INSERT into student VALUES
```

```
(first_name,middle_name,last_name,email_id,counter,age,contact_number,event_name,pg_name,re_name,University_name,degree,branch,sem,gender);
```

```
            SELECT 'YOUR DATA IS INSERTED' AS MESSAGE;
```

[Type here]

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ELSE

SELECT 'Enter Valid Name' AS ERROR;

END IF;

ELSE

SELECT 'Your Mobile No. is not valid' AS ERROR;

END IF;

ELSE

SELECT 'YOUR Email-ID is not valid' AS ERROR;

END IF;

END \$\$

DELIMITER ;

Call StuData('Raghvendra','D','Gohil','raghav@gmail.com',18,9512100731,'BreakUP Day','Royal Care','Prime Dinning Hall','Dharmsinh Desai','B.Tech','IT',5,'Male');

[Type here]

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→ In the Student one row is Inserted.

First_Name	Middle_Name	Last_Name	Email_ID	S_ID	Age	Contact_Number	Event_Name	PG_Name	Re_Name	University_Name	Degree	Branch	Sem	Gender
Dishant	H	Modh	dishant@gmail.com	1	18	9512100731	BreakUp Day	Royal Care	Prime Dinning Hall	Dharmsinh Desai	B.Tech	IT	5	Male
Twieny		Korat	trkorat76@gmail.com	2	18	9428666531	Coding war	Blossom	Hotel Vandan	IIT-Gandhinagar	B.Tech	CSE	5	Female
Divyesh	D	Chotaliya	dc2310@gmail.com	3	17	6356275041	Cycle Marathon	Shakti	Law Canteen	Nirma	B.Tech	CS	7	Male
Jay		Panchal	jaypanchal@gmail.com	4	22	9586986565	Falicific	Aarav Hostel	Panihari restaurant	GMIT	B.Tech	IT	1	Male
Shivani	K	Modi	shivanimodi@gmail.co	5	19	7889455622	Photography	Samaras	Virat fast-food	DallICT	B.Tech	ICT	3	Female
Raghvendra	D	Gohil	raghav@gmail.com	6	18	9512100731	BreakUP Day	Royal Care	Prime Dinning Hall	Dharmsinh Desai	B.Tech	IT	5	Male

Call StuData('Raghvendra','D','Gohil','raghav@gmail.com',18,9512100,'BreakUP Day','Royal Care','Prime Dinning Hall','Dharmsinh Desai','B.Tech','IT',5,'Male');

→As from above query Number Format is not proper so, it will give ERROR.

ERROR

Your Mobile No. is not valid

5.5 FUNCTIONS

5.5.1 Show the number of Student in particular University

```
DELIMITER $$
```

```
CREATE FUNCTION no_of_student(University_Name varchar(30)) RETURNS int DETERMINISTIC
```

```
BEGIN
```

```
    DECLARE no int;
```

```
    SELECT COUNT(S_ID) INTO no FROM student s WHERE s.University_Name=University_Name;
```

```
    RETURN no;
```

```
END
```

```
$$
```

```
DELIMITER ;
```

```
SELECT University_Name, no_of_student(University_Name) FROM student GROUP BY University_Name;
```

University_Name	no_of_student(University_Name)
DallCT	1
Dharmsinh Desai	2
GMIT	1
IIT-Gandhinagar	1
Nirma	1

5.6 CURSORS

5.6.1 Show Name Of all Restaurant's.

```
DELIMITER $$  
  
CREATE PROCEDURE r1 (INOUT Name_List VARCHAR(1000))  
  
BEGIN  
  
    DECLARE done INTEGER DEFAULT 0;  
  
    DECLARE r_name VARCHAR(20) DEFAULT "";  
  
    DECLARE r_cursor CURSOR FOR  
  
    SELECT Re_Name FROM resturant;  
  
    DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = 1;  
  
    OPEN r_cursor;  
  
    list:LOOP  
  
        FETCH r_cursor INTO r_name;  
  
        IF done = 1 THEN  
  
            LEAVE list;  
  
        END IF;  
  
        SET Name_List = CONCAT(r_name, "-->",Name_List);  
  
    END LOOP list;  
  
    CLOSE r_cursor;  
  
END$$
```

[Type here]

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DELIMITER ;

SET @Name_List="";

CALL r1(@Name_List);

SELECT @Name_List;

@Name_List

Virat fast-food-->Prime Dinning Hall-->Panihari Restaurant-->Law Canteen-->Hotel Vandan-->

5.6 Trigger

5.6.1 Update Event name into Event table and Organize table using Trigger.

DELIMITER \$\$

CREATE TRIGGER e1 AFTER UPDATE ON events FOR EACH ROW

BEGIN

```
DECLARE v1 VARCHAR(20);
```

```
SELECT Event_Name INTO v1 FROM events WHERE Event_Name=NEW.Event_Name;
```

```
UPDATE `oraganize` SET `Event_Name`=v1 WHERE Event_Name=OLD.Event_Name;
```

END \$\$

DELIMITER ;

```
UPDATE `events` SET `Event_Name`="Dargon Ball" WHERE Event_Name="Coding war";
```

- After Update on Event Table.

Event_Date_Start	Event_Date_End	Event_Name	Branch
2019-12-09 10:00:00	2019-12-09 22:00:00	Cycle Marathon	All
2020-10-29 18:09:24	2020-03-20 22:00:00	Dargon Ball	IT
2020-03-07 18:00:00	2020-03-17 23:00:00	Falicific	All
2020-01-26 07:00:00	2020-01-27 18:00:00	Photography	All
2020-10-29 16:16:39	2020-02-15 22:00:00	SunBurn	All

- Updated by Trigger on Organize table.

S_ID	Event_Name
1	BreakUp Day
2	Dargon Ball
3	Cycle Marathon
4	Falicific
5	Photography

5.6.2 Delete Community Name from Community Table and Member table using Trigger.

```
DELIMITER $$
```

```
CREATE TRIGGER c1 AFTER DELETE ON community FOR EACH ROW
```

```
BEGIN
```

```
    DECLARE v1 VARCHAR(20);
```

```
    SELECT Community_Name INTO v1 FROM community WHERE Community_Name_Name=NEW.Community_Name;
```

```
    DELETE FROM `member` WHERE Community_Name=OLD.Community_Name;
```

```
END $$
```

```
DELIMITER ;
```

```
DELETE FROM `community` WHERE Community_Name="DSC";
```

■ After Deleting “DSC” from community table

Mentor_Name	Community_Head	Community_Name
Harsh Raval	Dhrumil Shah	Acting
Devarshi Sathiya	Dhrumit Patel	Coder Gang
Priyank Shah	Raghavendra Gohil	DDU Connet
Krutik Bhatt	Archit Italiya	Photo Rider

■ Deleted “DSC” from Member table using DELETE Trigger

S_ID	community_Name
1	Acting
2	Coder Gang
3	DDU Connet
4	Photo Rider

6.Future Enhancements of the System

- We will design Front-end Design in HTML, CSS, JavaScript and Develop Bank-end in Python
- For security purpose New Registration is done using OTP.
- Outputs, methods and user data input will be lot easy after the implement of GUI.
- We will make database more consistent and We are making this database efficient and easy to implement with huge data capacity.
- Methods and user data input will be lot easy after the implement of GUI.
- We will also add some extra features so that the users can get answer for their complaints as fast as possible.

7.Biblography

- We created the ER Diagram and Schema Diagram on MySQL Tool.

Reference book:

Data Base System Concepts

-Henry F. Korth & A. Silberschatz 2nd Ed. McGraw-Hill 1991

Reference Book:

- <https://www.mysqltutorial.org/>

