

# ONLINE COURSE PORTAL FOR A UNIVERSITY



**BTech/III Year CSE/V Semester**

**15CSE302/Database Management Systems**

**Project Review -1**

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**2020 -2021 Odd Semester**

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# **Chapter 1**

## **Introduction:**

With the humongous growth of computer technology, our lives are becoming complex too. So exploiting the computer technology to solve our day to day life problem has become the most efficient solution. One of such scenarios is maintaining course portals in educational institutions. Manually keeping track of every student's academic record in each course is far beyond human capability. Hence developing and maintaining an online course portal prove to be beneficial for students and faculties to review their works respectively, allow faculties to grade their students and upload study materials which can later be accessed by their students.

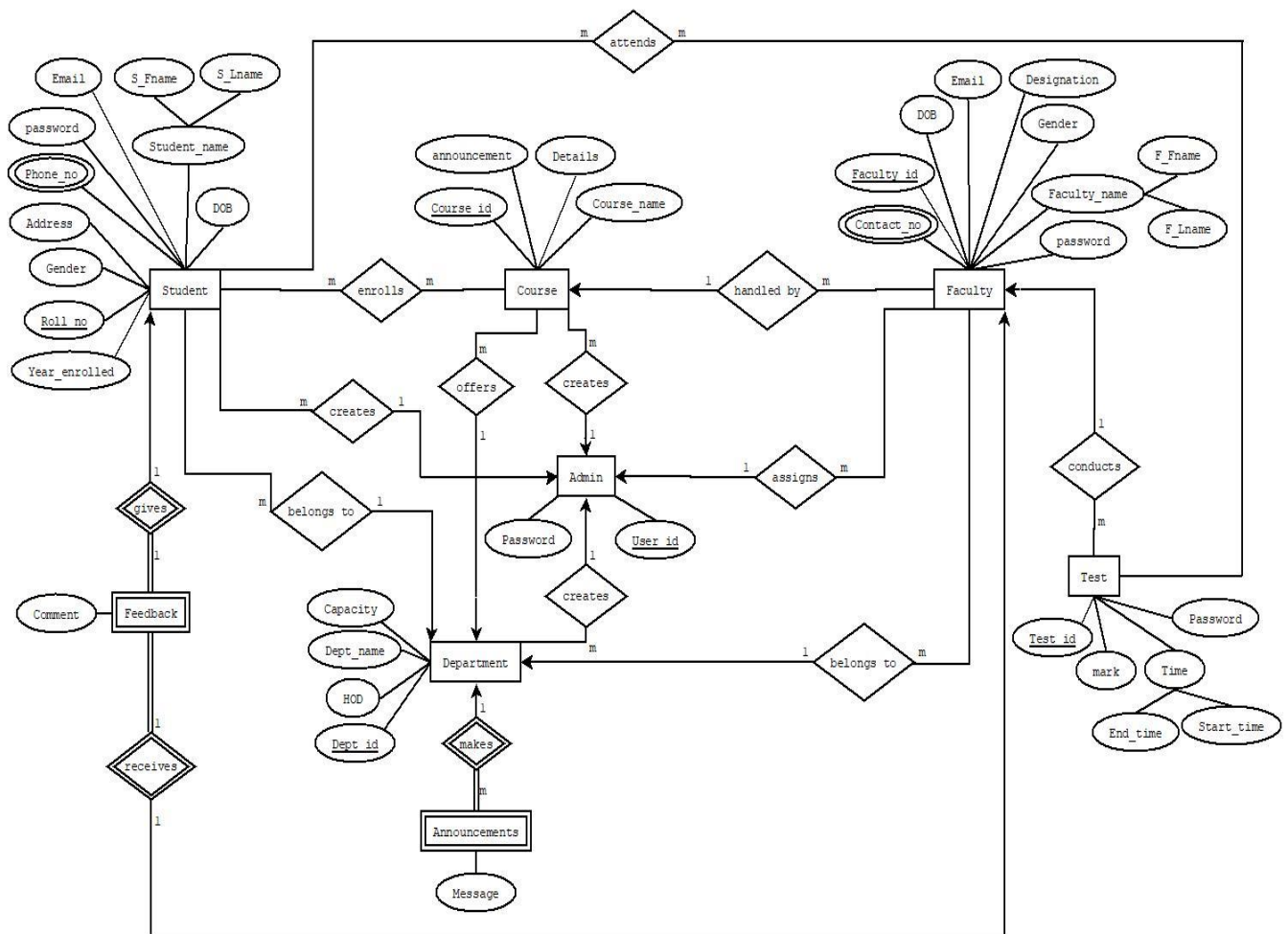
## **Abstract:**

This project aims at creating a course portal for a campus/institution. This allows registered users of the system to join a course available on the site and access the materials published for the course. Registration to a course can be done either as a faculty or a student. When a user registers himself as a faculty, an approval request will be sent to the administrator, so that the administrator can verify the user as a faculty. The details about the course and the study materials respective to the course are uploaded by the faculties in their course portal which can later be accessed by the students from their portals. Discussion Boards are made available for both the faculties and students for each course where there can share their ideas and faculties can make announcements. Tests can be created and conducted on the portal by the faculties. There will be a grade-book section where students can take up the tests and view their scores immediately as they complete the tests. Students can express their opinion and provide feedback on the course and faculties in the course feedback section.

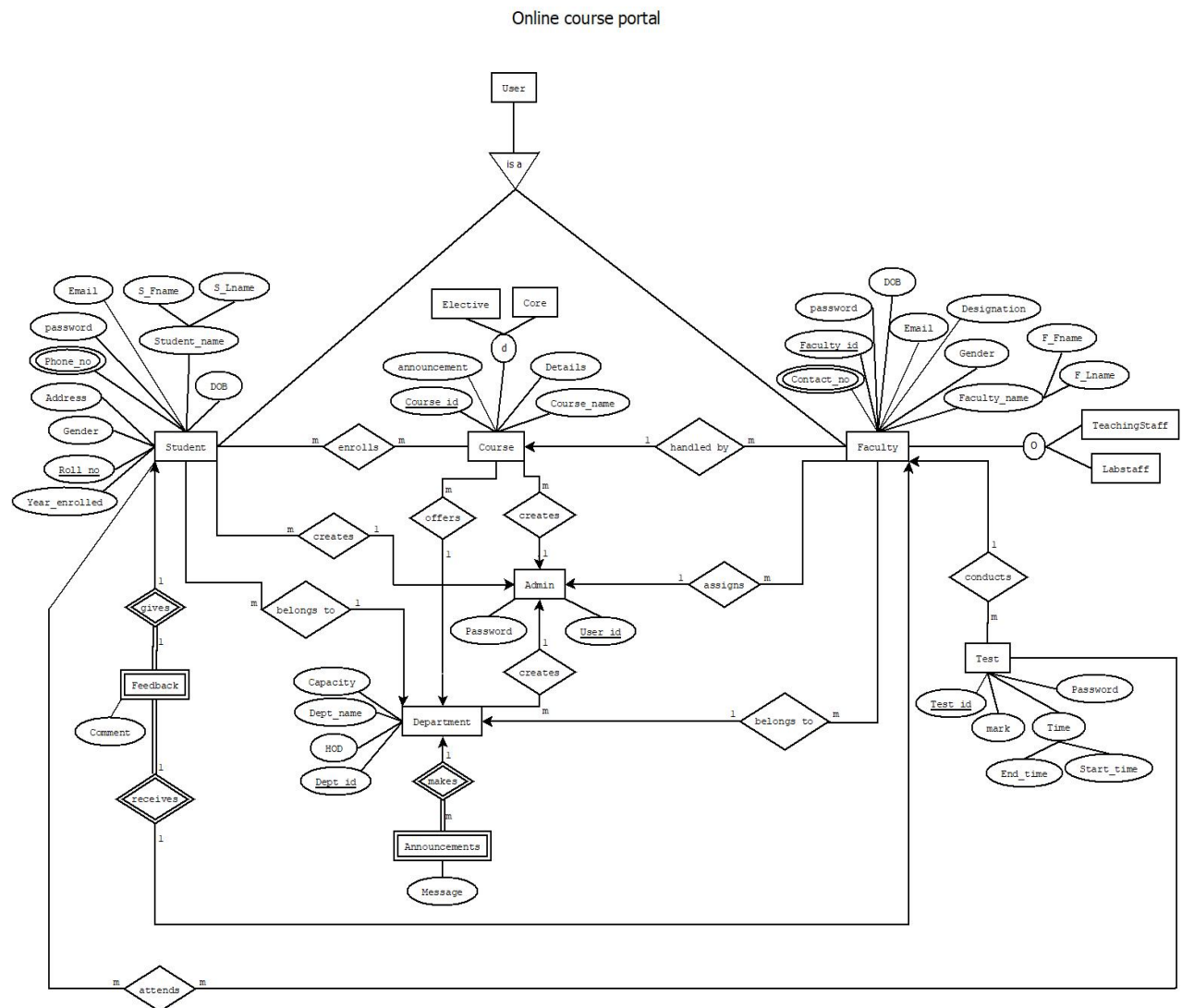
## Chapter 2 Logical Database Design

### ER Diagram:

Online course portal



## EER DIAGRAM:



## **Entities:**

1. Student
2. Course
3. Faculty
4. Test
5. Announcements
6. Department
7. Feedback
8. Admin

## **Attributes:**

### **1. Student:**

- Roll no
- Year\_enrolled
- Gender
- Address
- Phone\_no
- password
- Email
- Fname
- Lname
- DOB

### **2. Course:**

- Course\_id
- Details
- Announcement
- Course\_name

### 3. Faculty:

- Faculty\_id
- Contact\_no
- Gender
- F\_Fname
- F\_Lname
- password
- Email
- DOB
- Designation

### 4. Test:

- Password
- Start\_time
- End\_time
- Mark
- Test\_id

### 5. Announcements:

- Message

### 6. Department:

- Department\_id
- Department\_name
- Capacity
- HOD

### 7. Feedback:

- Comment

### 8. Admin:

- User\_id
- Password

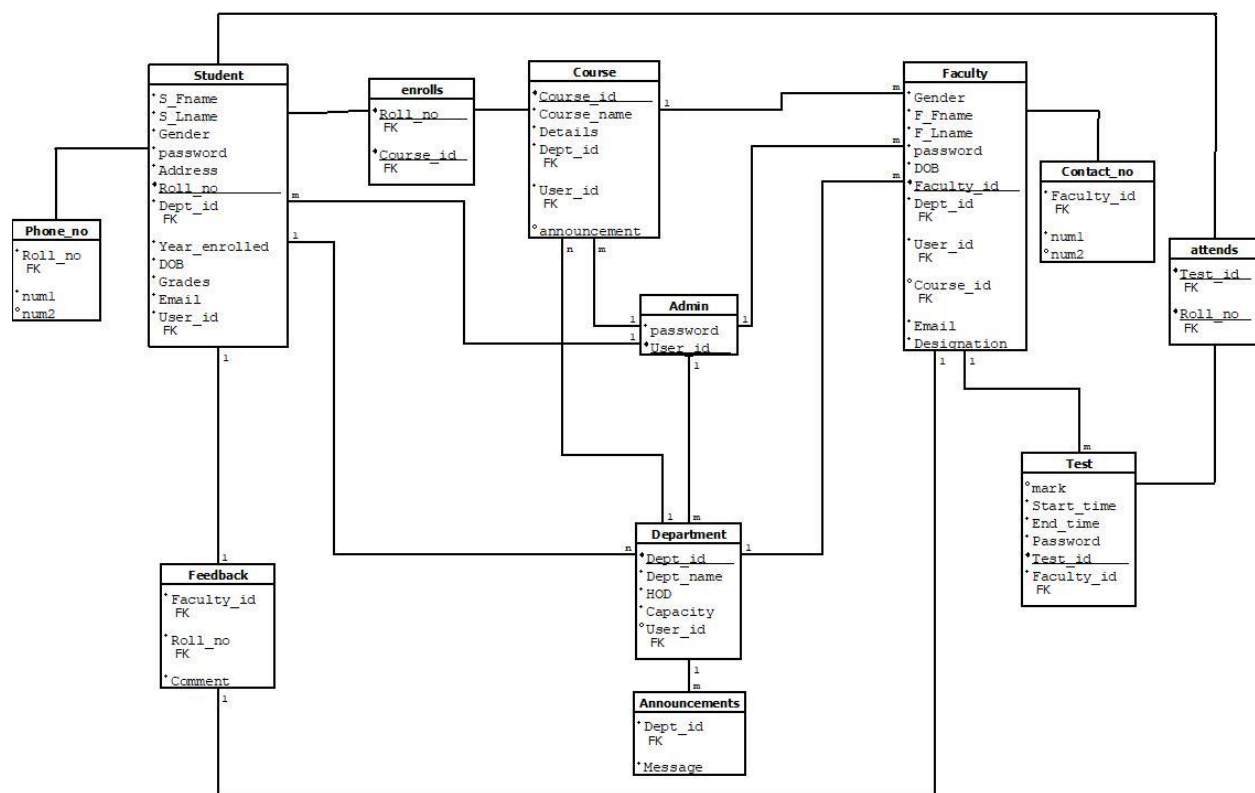


## Relationships:

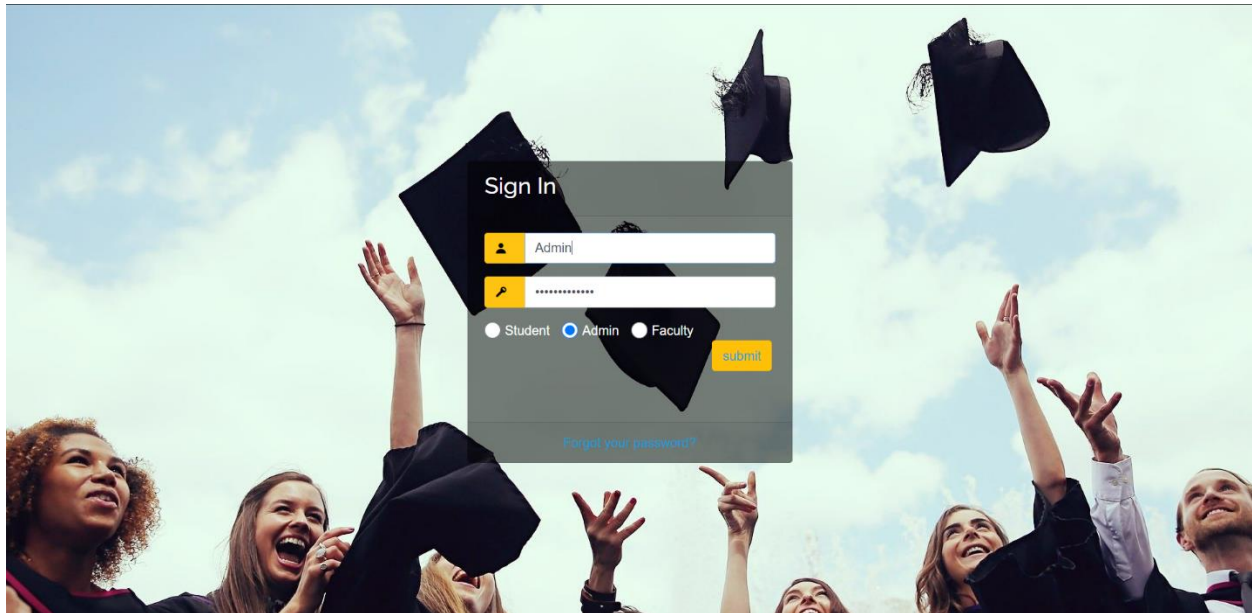
- Student *enrolls* Course
- Student *attends* Test
- Student *gives* Feedback
- Student *belongs to* Department
- Admin *creates* Student
- Admin *creates* Course
- Admin *creates* Department
- Admin *assigns* Faculty
- Department *makes* Announcements
- Department *offers* Course
- Faculty *belongs to* Department
- Faculty *conducts* Test
- Faculty *receives* Feedback
- Course *handled by* Faculty


## Chapter 3 ER to Relational Schema Mapping

Online course portal



## Chapter 4 User Interface Screens






**Admin**  
admin@gmail.com

- Dashboard
- Professors
- Students
- Course
- Department

### Add Student

First Name	Last name
<input type="text" value="Fname"/>	<input type="text" value="Lname"/>
DOB	Roll No
<input type="text" value="mm/dd/yyyy"/>	<input type="text" value="Rollno"/>
Email	
<input type="text" value="1234 Main St"/>	
Address	
<input type="text" value="Address"/>	
Gender	Phone number
<input type="text" value="Choose..."/>	<input type="text" value="Phoneno"/>

Select	Roll_no	First_Name	Last_Name	Email	Date_of_Birth	Gender	Address	Phone_no
<input type="button" value="Delete Row"/>								



**Admin**  
admin@gmail.com

- Dashboard
- Professors
- Students
- Course
- Department

## Add Student

First Name

Last name

DOB

Roll No

Email

Address

Gender


Female

Phone number

Submit

Select	Roll_no	First_Name	Last_Name	Email	Date_of_Birth	Gender	Address	Phone_no
<input type="checkbox"/>	CB.EN.U4CSE18590	Raju	R	abcd@gmail.com	2000-06-20	Male	asdasad	7894561237
<input type="checkbox"/>	CB.EN.U4CSE18571	Arun	R	efgh@gmail.com	2000-06-09	Male	dasdsadf	7894561245
<input type="checkbox"/>	CB.EN.U4CSE18554	Anu	S	kjih@gmail.com	2000-06-22	Female	dasdsadfhgfg	7894561256

Delete Row



**Admin**  
admin@gmail.com

- Dashboard
- Professors
- Students
- Course
- Department

## Add Student

First Name

Last name

DOB

Roll No

Email

Address

Gender

Female

Phone number

Submit

Select	Roll_no	First_Name	Last_Name	Email	Date_of_Birth	Gender	Address	Phone_no
<input type="checkbox"/>	CB.EN.U4CSE18590	Raju	R	abcd@gmail.com	2000-06-20	Male	asdasad	7894561237
<input type="checkbox"/>	CB.EN.U4CSE18554	Anu	S	kjih@gmail.com	2000-06-22	Female	dasdsadfhgfg	7894561256

Delete Row

## References

### Books reference:

Abraham Silberschatz, Henry F. Korth and S. Sudarshan, Database Systems Concepts. 7<sup>th</sup> edition. New York, NY: McGraw-Hill, [2020]

### Websites reference:

<https://getbootstrap.com/docs/4.5/getting-started/introduction/>

<https://www.w3schools.in/dbms/er-model/>