

UNIVERSITY OF SWAT

**Main Campus
charbagh**



**DEPARTMENT OF COMPUTER SCIENCE
3RD SEMSTER**

**DATABSE ENTITIES FOR UNIVERSITY
CONTENT MANAGEMENT SYSTEM**

Submitted By:

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Submitted To:

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Entities:

User:

All the user related data will reside in user entity.

Attributes:

id (int) Autoincremented

name (char) 55

email (char) 55

password (char) 80

enable/disable (Boolean)

type (char) 55

std_id (foreign key)

faculty_id (foreign key)

Relations:

There will be one to many relation b/w User and Student and also one to many relation b/w User and Faculty.

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Student:

All the student related data will reside in student entity.

Attributes:

id (int) Autoincremented

father_name (char) 55

roll_no (char) 55

batch (char) 55

semester (char) 80

address (char) 255

phone_number (char) 55

cnic (char) 55

dep_id (foriengn key)

Relations:

There will be one to many relationship b/w **Student** and **Department**.

Faculty:

All the faculty related data will reside in faculty entity.

Attributes:

id (int) Autoincremented

type(char)

position (char) 55

discipline (char) 80

address (char) 255

phone_number (char) 55

qualification_id (foreign key)

Relations:

There will be one to many relationship b/w **Faculty** and **qualification**.

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Qualification:

The qualification of faculty will reside in qualification entity.

Attributes:

id (int) Autoincremented

BS (char) 55

MS (char) 55

Phd (char) 55

Department:

All the departement related data will reside in departement entity.

Attributes:

id (int) Autoincremented

name (char) 155

email (char) 55

category (char) 55

chairman (char) 55

campus (char) 255

location (char) 55

phone_number (int) 25

location (char) 55

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Courses:

All the courses related data will reside in courses entity.

Attributes:

id (int) Autoincremented

name (char) 55

code (char) 55

cr_hr (char) 55

department_id (foreign key)

Relations:

There will be one to many relationship b/w **Courses** and **Department**.

CourseStdLinker:

This entity will link course and student entities and will create many to many relationship b/w course and student entities.

Attributes:

id (int) Autoincremented

course_id (int)

student_id (int)

CourseFacultyLinker:

This entity will link course and faculty entities and will create many to many relationship b/w them.

Attributes:

id (int) Autoincremented

course_id (int)

faculty_id (int)