

Table Design

department [Stores the Department details]

Field	Type	Constraints	Description
dept_id	INTEGER	PRIMARY KEY	id of the department
dept_name	TEXT	NOT NULL	dept_name
dept_full_name	TEXT	NOT NULL	Expanded form of the department name.

user [Stores the User basic details details]

Field	Type	Constraints	Description
user_id	INTEGER	PRIMARY KEY	id of the user
username	TEXT	NOT NULL	Username of the user
password	TEXT	NOT NULL	Password of the user.
email	TEXT	NOT NULL	Email id of the user.
first_name	TEXT	NOT NULL	First name of the user.
last_name	TEXT	NOT NULL	Last name of the user.
is_superuser	BOOLEAN	NOT NULL	Whether the user has admin privilege or not.
is_active	BOOLEAN	NOT NULL	Whether the user is an active user or not.
last_login	DATE	NOT NULL	Last login of the user.

profile [Stores the profile details of all the users]

Field	Type	Constraints	Description
prof_id	INTEGER	PRIMARY KEY	id of the profile
user_id	INTEGER	FOREIGN KEY	Reference the PK of user table
dept_id	INTEGER	FOREIGN KEY	Reference the PK of department

			table.
is_student	BOOLEAN	NOT NULL	Whether the user is a student or not.
image	BLOB	NOT NULL	Profile picture of the user.

semester_tbl [Stores the Semester details of various departments]

Field	Type	Constraints	Description
sem_id	INTEGER	PRIMARY KEY	id of the semester
sem_name	TEXT	NOT NULL	Semester name.
dept_id	INTEGER	FOREIGN KEY	Reference the PK of department table

subject_tbl [Stores the details of various subjects of different departments]

Field	Type	Constraints	Description
sub_id	INTEGER	PRIMARY KEY	id of the subject
subcode	TEXT	UNIQUE, NOT NULL	Subject code of the subject
sub_name	TEXT	NOT NULL, UNIQUE	Subject Name
sem_id	INTEGER	FOREIGN KEY	References the PK of the semester table

module [Stores the module names of various subjects]

Field	Type	Constraints	Description
mo_id	INTEGER	PRIMARY KEY	id of the module
module_name	TEXT	NOT NULL	Name of the module.

co [Stores the course objective names level information]

Field	Type	Constraints	Description
co_id	INTEGER	PRIMARY KEY	id of the co
co_name	TEXT	NOT NULL	Name of the co

co_mapping [Stores the co mapping details of various subjects]

Field	Type	Constraints	Description
co_map_id	INTEGER	PRIMARY KEY	id of the co_mapping table
co_id	INTEGER	FOREIGN KEY	References the PK of co table.
co_map_desc	TEXT	NOT NULL	Co description of the mapped co.
mod_id	INTEGER	FOREIGN KEY	References the PK of module table.
sub_id	INTEGER	FOREIGN KEY	References the PK of subject table.

blooms_lvl [Stores the blooms level information]

Field	Type	Constraints	Description
blm_id	INTEGER	PRIMARY KEY	id of the bloms level
blm_lvl_name	TEXT	NOT NULL	Name of the blooms level

blooms_keyword [Stores the details of blooms keywords for various levels]

Field	Type	Constraints	Description
blmk_id	INTEGER	PRIMARY KEY	id of the bloms verb
blmk_verb	TEXT	NOT NULL	Blooms keyword verb
blm_lvl_id	INTEGER	FOREIGN KEY	References the PK of the blooms_lvl table

mark_tbl [Stores the details of marks of various questions]

Field	Type	Constraints	Description
mrk_id	INTEGER	PRIMARY KEY	id of the mark
mark_disp	NUMBER	NOT NULL	mark

dept_id	INTEGER	FORIEGN KEY	References the PK of the department table
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question_tbl [Stores the details of the questions]

Field	Type	Constraints	Description
qn_id	INTEGER	PRIMARY KEY	Id of the question
qn_desc	TEXT	NOT NULL	Question description
qn_fig	BLOB		Images to be included if available
sub_id	INTEGER	FOREIGN KEY	References the PK of the subject table.
mod_id	INTEGER	FOREIGN KEY	References the PK of the module table.
mrk_id	INTEGER	FOREIGN KEY	References the PK of the mark table
klevel	INTEGER	FOREIGN KEY	References the PK of the blooms_lvl

exam_type [Stores the details of the examination]

Field	Type	Constraints	Description
exm_id	INTEGER	PRIMARY KEY	id of the exam
exm_name	TEXT	NOT NULL	Exam Name

post [Stores the details of the announcements posted]

Field	Type	Constraints	Description
p_id	INTEGER	PRIMARY KEY	id of the post
title	TEXT	NOT NULL	Title of the post.
content	TEXT	NOT NULL	Content of the post.
date_posted	DATE TIME	NOT NULL	Date on which the post is made.
author	INTEGER	FOREIGN KEY	Reference the PK of user table.

archive [Stores the details of the archived question papers]

Field	Type	Constraints	Description
a_id	INTEGER	PRIMARY KEY	id of the archive
dept_id	INTEGER	FOREIGN KEY	Reference the PK of department table.
sem_id	INTEGER	FOREIGN KEY	Reference the PK of semester table.
exm_id	INTEGER	FOREIGN KEY	Reference the PK of exam_type table.
desc	TEXT	NOT NULL	Description of the qn paper.
attachement	BLOB	NOT NULL	File attachment of the qn paper.