

College Management System

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1.Attendance

Column	Type	Null	Default	Extra	Links to	Constraints
ID	int(11)	No		auto_increment		Primary Key
Subject_Id	int(11)	No			-> subjects.Subject_Id ON UPDATE CASCADE ON DELETE CASCADE	Foreign Key
Enrollment_Id	bigint(20)	No			-> students.Enrollment_Id ON UPDATE CASCADE ON DELETE CASCADE	Foreign Key
Type	varchar(2)	Yes	NULL		-> subject_type.Type_Id ON UPDATE CASCADE ON DELETE CASCADE	Foreign Key
Attendance	varchar(10)	Yes	NULL			

2.Batches

Column	Type	Null	Default	Extra	Links to	Constraints
Batch	varchar(5)	Yes	NULL			
Batch_Id	char(5)	No				Primary Key
Branch	varchar(10)	Yes	NULL		-> branches.ID ON UPDATE CASCADE ON DELETE CASCADE	Foreign Key

3.Branches

Column	Type	Null	Default	Extra	Links to	Constraints
Branch_Id	int(11)	Yes	NULL			
Name	varchar(100)	No				
ID	varchar(10)	No				Foreign Key

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4.Faculty

Column	Type	Null	Default	Extra	Links to	Constraints
Faculty_Id	int(11)	No				Primary Key
Prefix	varchar(10)	No				
First_Name	varchar(100)	No				
Last_Name	varchar(100)	No				
Phone_Number	bigint(20)	Yes	NULL			
Email_Id	varchar(100)	Yes	NULL			
Post	varchar(100)	No				
Branch_Id	varchar(10)	No			-> branches.ID ON UPDATE CASCADE ON DELETE CASCADE	Foreign Key

5.Faculty_Subject

Column	Type	Null	Default	Extra	Links to	Constraints
Subject_Id	int(11)	Yes	NULL		-> subjects.Subject_Id ON UPDATE CASCADE ON DELETE CASCADE	Foreign Key
Faculty_Id	int(11)	Yes	NULL		-> faculty.Faculty_Id ON UPDATE CASCADE ON DELETE CASCADE	Foreign Key
Type	varchar(10)	Yes	NULL		-> subject_type.Type_Id ON UPDATE CASCADE ON DELETE CASCADE	Foreign Key
Batch	char(4)	Yes	NULL		-> batches.Batch_Id ON UPDATE CASCADE ON DELETE CASCADE	Foreign Key

6.Results

Column	Type	Null	Default	Extra	Links to	Constraints
ID	int(11)	No		auto_increment		Foreign Key
Subject_Id	int(11)	Yes	NULL		-> subjects.Subject_Id ON UPDATE CASCADE ON DELETE CASCADE	Foreign Key
Enrollment_Id	bigint(20)	Yes	NULL		-> students.Enrollment_Id ON UPDATE CASCADE ON DELETE CASCADE	Foreign Key
Exam_Category	varchar(25)	No				
Marks	int(11)	No				

7.Students

Column	Type	Null	Default	Extra	Links to	Constraints
Enrollment_Id	bigint(20)	No				Foreign Key
First_Name	varchar(100)	No				
Last_Name	varchar(100)	No				
Phone_Number	bigint(20)	Yes	NULL			
Email_Id	varchar(100)	Yes	NULL			
Branch	varchar(100)	No	CSE(IoT)		-> branches.ID ON UPDATE CASCADE ON DELETE CASCADE	Foreign Key
Batch	char(4)	No			-> batches.Batch_Id ON UPDATE CASCADE ON DELETE CASCADE	Foreign Key

8.Subjects

Column	Type	Null	Default	Extra	Links to	Constraints
Subject_Id	int(11)	No				Primary Key
Name	varchar(100)	No				
Credits	int(11)	No				
Semester	int(11)	Yes	NULL			

9.Subject_Type

Column	Type	Null	Default	Extra	Links to	Constraints
Type_Id	varchar(5)	No				Primary Key
Type	varchar(10)	Yes	NULL			

10.Schema

