

**Database Definition : library\_repository\_db**

**COLLEGE Table**

Field Name	Data Type	Size	Auto Increment
<u>college_id</u>	INT	11	Y
collegeName	VARCHAR	255	N

**COURSE Table**

Field Name	Data Type	Size	Auto Increment
<u>course_id</u>	INT	11	Y
<u>college_id</u>	INT	11	N
courseName	VARCHAR	255	N

**ROLE Table**

Field Name	Data Type	Size	Auto Increment
<u>role_id</u>	INT	11	Y
roleName	VARCHAR	100	N

**USER Table**

Field Name	Data Type	Size	Auto Increment
<u>user_id</u>	VARCHAR	50	N
<u>userCourse_id</u>	INT	20	N
<u>role_id</u>	INT	5	N
firstName	VARCHAR	100	N
lastName	VARCHAR	100	N
middleName	VARCHAR	100	N
yearLevel	INT	11	N
username	VARCHAR	100	N
password	VARCHAR	100	N

USER COLLEGE Table

Field Name	Data Type	Size	Auto Increment
<u>user_id</u>	VARCHAR	50	N
<u>college_id</u>	INT	11	N
effectivityDate	DATETIME	-	N

USER COURSE Table

Field Name	Data Type	Size	Auto Increment
<u>userCourse_id</u>	INT	11	N
<u>course_id</u>	INT	11	N
effectivityDate	DATETIME	-	N

MATERIAL TYPE Table

Field Name	Data Type	Size	Auto Increment
<u>materialType_id</u>	INT	11	Y
materialTypeName	VARCHAR	100	N
materialTypeDescription	TEXT	-	N

MATERIAL Table

Field Name	Data Type	Size	Auto Increment
<u>material_id</u>	INT	11	Y
<u>materialType_id</u>	INT	11	N
materialName	VARCHAR	255	N
materialDescription	TEXT	-	N
materialFile	LONGBLOB	-	N

MATERIAL SUBMISSION Table

Field Name	Data Type	Size	Auto Increment
<u>materialSubmission_id</u>	INT	11	Y
<u>material_id</u>	INT	11	N
<u>user_id</u>	VARCHAR	50	N
<u>dean_id</u>	VARCHAR	50	N
approvalStatus	VARCHAR	50	N
approvalDate	DATETIME	-	N
submissionDate	DATETIME	-	N

MATERIAL PUBLISHING Table

Field Name	Data Type	Size	Auto Increment
<u>materialSubmission_id</u>	INT	11	Y
<u>callNumber</u>	INT	100	N
<u>librarian_id</u>	VARCHAR	50	N
<u>materialSubmission_id</u>	VARCHAR	11	N
materialStatus	VARCHAR	50	N
approvalSubmission	DATETIME	50	N
approvalDate	DATETIME	-	N
submissionDate	DATETIME	-	N

MATERIAL BORROWING Table

Field Name	Data Type	Size	Auto Increment
<b><u>materialSubmission_id</u></b>	INT	11	Y
<b><u>student_id</u></b>	VARCHAR	50	N
<b><u>librarian_id</u></b>	VARCHAR	50	N
<b><u>callNumber</u></b>	INT	100	N
<b>borrowStatus</b>	VARCHAR	50	N
remarks	TEXT	-	N
borrowedDate	DATETIME	-	N
dueDate	DATETIME	-	N
returnedDate	DATETIME	-	N

PENALTY TYPE Table

Field Name	Data Type	Size	Auto Increment
<b><u>penaltyType_id</u></b>	INT	11	Y
penaltyName	VARCHAR	100	N
amount	FLOAT	-	N
perDayIncurrence	INT	11	N

BORROWING PENALTY Table

Field Name	Data Type	Size	Auto Increment
<u>materialBorrowing_id</u>	INT	11	N
<u>penaltyType_id</u>	INT	11	N
penaltyRemarks	VARCHAR	255	N
fineIncurred	FLOAT	-	N
paymentDate	DATETIME	-	N