Departent

int Id

string Code (must be unique, 2 to 7 characters long)

string Name (must be unique)

Course

int Id

string Code (unique, must be 5 characters long)

string Name (unique)

double Credit (0.5 to 5.0)

string Description

int DeptId

string Semester

Teacher

int Id

string Name

string Address

string Email (unique, in correct format)

string ContactNo

string Designation

int DeptId

double CreditLimit (non-negative value)

double Remaining Credit

CourseAssignment

int Id

int TeacherId

int CourseId

string Valid

You must ensure to avoid overlapping problem. A course cannot be assigned to more than one teacher, i.e. an assigned course cannot be assigned again. If user tries to assign a course, which credit is more than teacher’s remaining credit, system will show an option (Yes/No) dialog box and work accordingly.

Student

int Id

string Name

string RegNo (<dept code>-<year>-XXX)

string Email (correct format, unique)

string ContactNo

DateTime RegDate (date picker, present date selected by default)

string Address

intintintint DeptId

When register successfully, all the information will be displayed

ClassroomAllocation

int Id

int DeptId

int CourseId

string RoomNo

string Day

Time From

Time To

bool Valid

You must ensure to avoid the overlapping problem here. Both full and partial overlapping must be avoided

CourseEnrollment

int Id

int StudentId

int CourseId

DateTime Date

string Grade

bool Valid

A student can enroll in a course once only.

At First Grade will be “U” meaning undefined

After saving result

there will be thirteen (13) grades - A+, A, A-, B+, B, B-, C+, C, C-, D+, D, D-, and F