

Class Time-Table Project Report

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Abstract

The project is about, given a department time-table that consist of all the courses taught by department and students details registered in those courses, finding an individual student's time-table on weekly basis or daily basis.

Tools and Techniques

Tools and techniques used are mentioned below

1. Designing: Visual Studio 2017
2. Programming-Language: MS Visual Basis
3. Database : MySQL

Database Design

Assuming that the input(department time table) is given in the below format

Department_table

S. NO.	Day	Start Time	End Time	Course
1	1	1600	1700	CNS
2	2	1700	1800	DS
3	3	900	1000	ALGO
4	3	1100	1200	CVML
5	5	1700	1800	TOC
6	5	1530	1630	SPEECH

Then from the give information we have to store the details in below defined tables.

Student_Course_Registered_Table

S.No.	Student id	Course
1	160101023	CNS
2	160101023	CVML
3	160101002	SPEECH
4	160101002	TOC

After the database definitions the required information can be fetched from merging student_table and Student_Course_Registered_Table Which provides us with course_id ,start time and end time of the course slot.

Query:

Select

Start_time, End_time, Course_id

From

Department_Table

natural join

Student_Course_Registered_Table

Where

Student_id="given roll no."

Constraints

1. Since the project has database implementation it might not directly work on another PC without the database setup as it is.
2. It is assumed that there is no time-table clash in registered students courses.
3. It is assumed that the software is defined for a particular department and hence department information is not included in the database design.
4. Class venue information for a given course is not included .