Intelligent Emergency-Auto-Adjustments for Faculty

SECTION: K18ZV

Midterm Project report:

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INTRODUCTION

In a general instructive timetabling issue, a lot of occasions (for example courses and tests, and so on) are doled out into a specific number of timeslots (timeframes) subject to a lot of limitations, which regularly makes the issue hard to tackle in true conditions. There are huge quantities of business programming bundles accessible to help with timetabling issue. Nonetheless, because of the assortment of trademark, methodology and unpredictability of every college in the modification process make the examination right now despite everything fascinating. To illuminate the best answer for this timetable change issue, a broadly inquire about zone has been concentrated in different intricacy issues with various calculation arrangement. This exploration will concentrate on the best way to construct computerized Change that could likewise deal with dynamic asset assignment issue.

Even though most school managerial work has been mechanized, the talk timetable modification is still for the most part done physically because of its intrinsic troubles. The manual talk timetable change requests impressive time and endeavours. The talk timetable alteration is a Constraint fulfilment issue in which we discover an answer that fulfils the given arrangement of imperatives. A computerized timetable modification is a worldly game plan of a lot of talks and homerooms in which every single given imperative is fulfilled. Making such timetables physically is mind boggling and tedious procedure. Via mechanizing this procedure with PC helped auto alter timetable generator can spare a great deal of valuable time of chairmen who are engaged with making and overseeing course timetables.

DESCRIPTION OF PROJECT

This project is based on the lecture make-up adjustments rules of faculties of LPU.

In this teacher's attendance is taken on command line interface as value

0(represents absence) and 1 (represents presence).

If a teacher is absent, then further it is checked that the teacher has lecture on that day and then schedule of that teacher is checked and based on that timetable a teacher is assigned who is free which is again checked by comparing timetables of these two teachers. Then the same is repeated for all weekday. All above modules a repeated for each teacher.

LIBRARY USED

Datetime Module: - This module was imported to get the current date and time.

Calendar Module: - This module was imported to calculate the weekday by

combining with datetime module.

ALGORITHM:

1. Ask the user input, i.e. teacher id.
2. Now create functions a. Free
   b. Occupied.
   c. Makeup class.
   d. Exit portal.
3. Create a timetable for faculty where 0 represents as teacher is free,1 represent as teacher is occupied.
4. Create 4 options a. Schedule of faculty.
   b. Makeup adjustment
   c. Auto adjustment for leave
   d. Exit portal.
5. Using different functions and backup timetable we can over come the adjustment and leave.

6. All the data is entered in dictionaries.

7. call the functions whenever required. Create a function in such way that it takes us to home page.

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