

Smart Time Table System

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Objective

To create an online platform to ease the tedious work of creating a **Time Table** system to facilitate dynamic addition of classes and substitution of professors on their absence.

Software

UI Design

Front-End : HTML, CSS, Javascript, Bootstrap, jQuery.

Back-End : Node.js.

Database

MongoDB

Abstract

Smart Timetables helps education providers deliver more value to students and keep admin costs down, even as student numbers grow.

It does this by automating the delivery of up-to-date, personalized timetables – enriched with information such as professor availability, assignment due dates and tutorial reminders – directly into the phone and tablet calendars of students and staff.

It also enables staff to manage their timetables and deal with clashes or other issues straight away. This makes things simpler and easier for them, and helps to reduce their admin burden.

There are many situations where a particular period might be wasted because of the absence of a professor. This Smart Time Table ensures that a substitute professor is notified to take over the class.

With Smart Timetables, there is no more chaos, everyone is notified instantly.

Business Rules

- Separate timetable for the individual class, faculty and labs are to be generated automatically by this system.
- No slot clashes occur.
- Faculty replacement is also to be made possible by listing out the available faculty who are eligible to be assigned as temporary faculty until a replacement faculty is assigned.

Tables/Databases

1. Faculty Information
2. Course Information
3. Lab Information
4. Class Room Information
5. Allocation
6. Faculty Replacement

Output

- Users can view Class, Teacher and Lab Timetables.
- Faculty members can apply for changes and request for replacement.
- Compensation classes can be organized and the updates regarding the same will reach to all concerned users.