**Velagapudi Ramakrishna Siddhartha Engineering College Department of Information Technology**

Class: 3rdYear Section: A Year: 2020-2021

**Automated Time Table Generator**

**Motivation:** The current online class trend has been tough to all of us lately due to various reasons and setting a timetable for these dynamic changes has been frustrating and it is also tough for students to follow it. For this reason we want to create an application that helps organize all of this.

**Problem Description:** Timetable Generator is for college applications, it is used to generate timetable automatically unlike traditional approach where a person assigns timetable to batches and faculty. Our product is for educational purposes that help staff to solve this tedious task and also for students to know their schedule.

**Social Benefits:**

Our app benefits

1. College Staff
2. Students
3. Other Organizations which can define the start and end times of a task precisely to organize their tasks easily.

**Innovation and Uniqueness:**

Instead of just being normal application it can also notify the students about the current period/program that is assigned to that hour. Above all it is adaptable to all kind of changes such as change in number of hours a period should take place or daily, weekly or monthly changes in time table.

**Feasible Solution:**

The best suitable way of doing this is to build an app which stores basic information about students, faculty, batches and courses they are undergoing right now. To store information the backend database is used. The data is retrieved using SQL queries using these the algorithm in the app generates a time table which can be saved and altered easily using a GUI without programmer intervention and the rest can be notified to the user accordingly.

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