Time Table Generator

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Abstract: *A timetable generator, also known as a schedule generator or timetable builder, is a software or tool designed to automate the process of creating schedules or timetables for various purposes, such as academic institutions, businesses, or event management. It takes input data and constraints and generates an organised and optimised schedule based on the provided information. The specific features and capabilities of a timetable generator can vary depending on the application, but the core function is to efficiently allocate resources, time slots, or tasks to meet specific requirements. The goal of this project is to build an application that generates a time table based on the user's choice. The advantages of an automated time table generator are time savings, reduced human error, efficient resource utilisation, balancing workloads, adaptability to changes, improved satisfaction for users, conflict resolution, cost savings, data analysis and reporting, scalability for various applications.*

Keywords: Time table generator, Python, QtCreator, csv

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[5] "Data Structures and Algorithms in Python" by Michael T. Goodrich, Roberto Tamassia, and Michael H. Goldwasser - Designed to provide a comprehensive introduction to data structures and algorithms, including their design, analysis, and implementation

[6] "Operations Research: Applications and Algorithms" by Wayne L. Winston - The text includes comprehensive coverage of all areas of operations research and management science

[7] "Fluent Python" by Luciano Ramalho - Contains guidance about Data structures, Functions as objects, Object-oriented idioms, Control flow, Metaprogramming in Python

[8] "The Art of Data Science" by Roger D. Peng and Elizabeth Matsui - This book describes, simply and in general terms, the process of analyzing data.

[9] https://www.github.com - GitHub is a developer platform that allows developers to create, store, manage and share their code. It uses Git software, providing the distributed version control of Git plus access control, bug tracking, software feature requests, task management, continuous integration, and wikis for every project.

[10] https://www.geeksforgeeks.org/ - It is a leading platform that provides computer science resources and coding challenges for programmers and technology enthusiasts, along with interview and exam preparations for upcoming aspirants.

[11] https://www.tutorialspoint.com/index.htm - Tutorialspoint.com is a dedicated website to provide quality online education in the domains of Computer Science, Information Technology, Programming Languages, and other Engineering as well as Management subjects