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TTGS: SMART TIME TABLE GENERATOR FOR EDUCATIONAL SYSTEM

ABSTRACT

The Smart Time Table Generator is an innovative solution designed to streamline the scheduling process for educational institutions. Leveraging advanced optimization algorithms and automation technology, this system efficiently allocates resources, minimizing conflicts and ensuring a balanced workload for both teachers and students. The system integrates both front-end and back-end functionalities to dynamically generate and manage weekly time tables. By providing a user-friendly interface and customizable settings, the Smart Time Table Generator adapts to the unique needs of various educational institutions, enhancing the overall learning experience and administrative efficiency. The Smart Time Table Generator can be integrated with existing educational systems, providing a seamless and efficient scheduling experience. By leveraging AI and optimization algorithms, this system has the potential to transform the educational scheduling process, making it more efficient, accurate, and student-centric.

Keywords:- Time table generator, Educational scheduling, Automation, Optimization, Resource allocation, School management, University timetabling.

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