.

Time Scheduling of College Students System Utilizing Data Structures and Algorithm

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Imaginative Abstract. This paper presents a comprehensive system for optimizing time schedules of college students through the application of advanced data structures and algorithms. By leveraging efficient algorithms and innovative data structures, the system aims to provide students with personalized schedules that accommodate diverse course requirements, extracurricular activities, and individual preferences. This research proposed to use java language because we want to expand our knowledge on how to use java and, we have experience on how we used Java language, and it contains basic code so that we can understand the flow of this language. The integration of various data structures allows for effective management and organization of student data, while algorithmic optimizations enable the generation of schedules that minimize conflicts and maximize academic and personal productivity. The proposed system exhibits potential for enhancing the overall student experience by simplifying the scheduling process, promoting better time management, and ultimately improving academic performance and student well-being

Keywords: Time Scheduling, College Students, Data Structures, Algorithm.

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