
TO PREDICT TIME MANAGEMENT FOR EXAM PREPARATION USING MACHINE LEARNING

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ABSTRACT

Machine learning aims to make machines able to do their jobs skillfully by using intelligent software. Classification is the process of assigning input vectors into a finite number of discrete predefined categories / classes. Predicting academic performance is an important thing for academic institutions to do. Time management skills (TMS) can be used as a feature in predicting academic performance. Student academic performance is a very important aspect for schools and universities hence, it should be done as early as possible. Prediction of student academic performance is an important aspect in the learning process. Time management can be very useful in a student's hectic schedule in everyday life. It ensures that the students are well prepared, organized and focused to manage their daily lives and complete academic assignments on time. It can also lead to improved success; however, this is a skill that students have to learn and practice. Thus, analysing and processing these data carefully can give us useful information about the students' knowledge and the relationship between them and the academic performances.

Keywords: Time, Students, Time Management Skills, Academics, Performance.

I. INTRODUCTION

Machine learning is a branch of artificial intelligence (AI) and computer science which focuses on the use of data and algorithms to imitate the way that humans think and learn, gradually improves its accuracy as well. Machine learning algorithms uses historical data as input to predict new output values. Predicting academic performance is an important thing for academic institutions to do. This project presents a time prediction model for detection of time subject wise using college dataset, thereby creating an early sign warning to concentrate more on subject having high risk with least pass percentage or highest failure percentage based on the analysed result of the students performance for each academic subject.

Time Management Skills (TMS) can be used as a feature in predicting academic performance. Student academic performance is a very important aspect for schools and universities hence it should be done as early as possible. Prediction of student academic performance is an important aspect in the learning process. There are study several machine learning models in predicting student academic performance using Time Management skills data. Time management can be really useful in a student's hectic schedule. It ensures that the students are well prepared, organized and focused to manage their daily lives and complete academic assignments on time. It can lead to improved success however, this is a skill that students must learn and practice.

Thus, it analyses by processing these data carefully can give us useful information about the students' knowledge and the relationship between them and the academics. Predicting student's performance is another important task in any educational system. Therefore, to predict the learner's behavior towards studies many data mining techniques used like clustering, classification, regression. Here, new student's performance prediction model and new features are introduced that have a great influence on student's academic achievement i.e. student absence days in class and parent's involvement in the learning process. Here, considerable attention is on the punctuality of students and the effect of participation of parents in the learning process. Student academic performance is a very important aspect for schools and universities since it represents how well they educate their students. Predicting student academic performance should be done as