

CSE440
Project Proposal

Problem Overview

College students always want to get a high GPA, but even if they always study hard, students sometimes fail to achieve the goal. One of the reasons is that they don't know how important a factor that affects their grades is, as there are so many of them. For example, if a student knows the importance of time commitment to him to achieve a goal GPA, then he could spend a reasonable time on studying the subject and allocate time more effectively. Similarly, other factors, such as attending office hours, taking morning class vs. afternoon class, and passion about the subject can all affect the final GPA. Since the importance of each factor can vary among different students, in order for students to better achieve academic goal, such personal information is critical to be collected and processed.

With different personality, interest and academic background, students need different approaches to study. Most students are already aware of some important factors that affect grades but they don't have a complete view on how important each factor is to them. For example, most students believe that spending as much time as they can on studying will significantly raise their GPA. However, this may not be true for everyone. I personally don't do well if I study by myself for too long because I don't maintain the same effectiveness of study. Conversely, if I have less independent study time but participate discussions more in class, I tend to have a better performance on the course. It would be helpful if such information is recorded and generated so that students could be aware their unique study habits and obtain the appropriate approach individually.