Project Number: S20 -22  
Project Title: Smart Calendar  
Team Members: Sasan Hakimzadeh, Joseph Gordon, Dunbar Birnie, Umer Qazi, Ashish Motyala  
Advisor: Professor Godrich  
Up to 5 keywords that will help to classify the project scope:  
Scheduling, Database management, .NET Application Development, IOT (Alexa Capability)  

Project abstract (up to 250 words) to be shared with judges:  

The motivation behind our project is to help individuals (particularly students) be able to plan their schedules more effectively and avoid last minute time crunches on assignments, studying for exams, preparing for interviews, etc. As students ourselves, we have found this to be one of the largest problem areas for college students who no longer have the guidance that they once had in high school yet have much more on their schedules than ever before. The basic idea of our multi-platform application is for students to be able to input tasks and events into their calendar as well as the estimated time expected to finish, and have the application create an optimal schedule for the user. Events in our project are categorized as static blocks on the schedule which never move. These may include classes that happen at the same time every week, bedtime, lunchtime, etc. Tasks on the other hand are things that show up in everyone’s schedules, whether it is an exam coming up, a project deadline, or an essay deadline. For tasks like this, in order for the user to not be overwhelmed in scheduling time to tackle these things, the user must input a due date as well as an estimated amount of time that it will take to complete. Our algorithm will then take into account all parameters of the users’ specific schedule in order to block off free time on the days before the due date.  

While it may sound like the algorithm does all the work, it will actually also be listening to the user, as it will remember if a user canceled an auto-scheduled task multiple times on a specific day or time of day. Eventually, it will learn from trial and error to create the most optimal schedule which fits your lifestyle. Amazon Alexa will also be able to integrate with our design in order to tell us what we have planned for that day, week, etc. Our goal for this project is to allow a seamless mode of scheduling that removes the headache and forgetfulness that college students may deal with throughout their lives.