PROJECT SELECTION AND FEASIBILITY ANALYSIS

**Why have we picked this specific project?**  
  
Our single most important agenda in this project is to understand OOAD Concepts and Software Development Methodologies followed academically as well as in industry. We want to learn and understand the manner in which development strategies affect the project deliverables and schedule.  
  
We had two choices: Event Planner and Intelligent Notification System. We chose Notification System for its novelty above all else. We have numerous tools and software for Event Planner such as Google calendar, Microsoft Outlook and so on. However, Notification system is a concept that does not require user to set it (in some planner or calendar) as an event every time he wants to attend those. It is also something that has high functional value to UTD students. In UTD, we have several events organized every day; some are notified using email, some using facebook pages (group) while others using UTD pages. As a student it becomes difficult to track all such events and then fetching the details of the event. We plan to notify the user on the go about any such event (which he is interested in) so that it becomes easy for him to track and attend them. As we can see, UTD has many disconnected facilities that can be combined with the help of this product. Thus, this project has personal significance and ingenuity. Both these factors heavily influenced our decision to choose this project.  
  
  
**Feasibility Analysis**

This project has a large scope for expansion. Events in UTD are something that binds all students together. Therefore, we can eventually scale this product into a social networking application for UTD students (with an emphasis on social networking for events).  
  
One of the most important goals of this project is to adhere and learn good practices of an iterative and incremental software development. Therefore, we are restricting to building a robust software keeping in mind its usability.

We need to have access of the UTD database for fetching students as well as events information. That requires permission from the concerned UTD Departments. As the timeline of iteration is rather small, waiting for access request and following the UTD rules and regulations will disrupt our project schedule. Therefore, we have decided to simulate the database for UTD events. We will have our customized database having students and events information. Hence, we will have separate signup for username and password instead of using the UTD Signup information. For events, we will use the UTD events page to gather the events information and then store it in our database(using web crawling packages available online). This database will be used to notify the registered users. This consensus was reached after a significant amount of discussion within the team and with Prof. Mehra during the inception phase. This has indirectly helped us build a clear vision for our project. We are sure that once we build a strong foundation for the key functionality of this project it will be easier to extend several other advanced functionalities later on to this project. A good analysis, design and methodology will enable easier integration and maintenance of this project as well.