**Database Management Systems (COP 5725)**

(Spring 2015)

**Project Deliverable – Phase 1**

**Requirement Analysis**

**Submitted To: Submitted by:**

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**Project Topic:** **FIND YOUR UNIVERSITY**

* **Motivation:**
* Being international students all of us have gone through an extensive admission process while seeking admission in foreign universities.
* In order to make it easier for students to select universities on the basis of their scores and profile as well as previous year data, we aim to build a system that would provide such help.
* We were motivated by certain websites that aided us during our admission process. http://www.gretousvisa.com/, http://www.msinus.com/ to name a few.
* **Project Description:**
* This application will assist a user in identifying suitable universities as per his/her profile.
* The application will have data regarding university rankings, minimum requirements etc. Thus, this data will help in short-listing the universities.
* **What are the main functions that the web-based user interface should provide?**
* Sign Up/Login: The webpage will provide with the sign up facility wherein the user can save his/her profile.
* Minimum Requirement: A user can view the minimum requirements for different universities like the GPA or test scores.
* Rankings: A user can view the rankings of different universities as per their field.
* History: Previous year data regarding admissions to various universities.
* Career Opportunities: A user can review the available jobs or internships of the various companies once graduated from a particular university.
* Cost of attendance: A user can go through the costs of living and tuition.
* Tracking: A user is volunteered to publicize his/her profile and update his/her application status to various programs that s/he is applying to.
* Review: A user may create review to a program once he/she graduate from that program.
* **How do the different functions work together?**

MANAGE/TRACK PROFILES

COST OF ATTENDANCE

HISTORY

MINIMUM REQUIREMENTS

RANKINGS

REVIEW

CAREER OPPORTUNITIES

* **Which data are needed to support the functions identified before?**
* University Ranking List
* Test scores
* Acceptance Rate List
* Cost of Attendance
* Data regarding Career Opportunities
* Previous data of the admissions
* User profile pool
* Reviews from users
* **Which public domain and/or proprietary software is needed to perform the task?**
* Adobe Dreamweaver: Adobe Dreamweaver CC is the all-in-one visual development tool for creating, publishing, and managing websites.
* CISE Oracle for Database
* Drupal: Drupal is an open source content management platform powering millions of websites and applications.