  
  
Department of Electrical and Computer Engineering

**COEN 6312 – Model-Driven Software Engineering**

Winter 2017

**Deliverable 1**

**Project Title:**

**UNIVERSITY MANAGEMENT SYSTEM**

**Name of the team:**

**“HUNGRY FOR TROUBLE”**

**Mission & Vision:**

We aim to disintegrate existing conventional system for comprehensive understanding and integrate it to diminish the existing system hurdles.

**Group Members:**

* **HEM RAJ REGMI** (40015416).*Email:* [*sagunsyabil@gmail.com*](mailto:sagunsyabil@gmail.com)

CCNA Networking and Wireless Communication were my majors in undergraduate studies; currently, I am doing my master’s in Electrical and Computer Engineering. Besides the networking experiences, my interests are in Python Web Development and Cloud Computing.

* **BITTA RANI RANA** (40031066). *Email:* [*adna.238@gmail.co*m](mailto:adna.238@gmail.com)

I completed my Bachelor’s in Computer Science which made me more enthusiastic; my growing interest led me pursue my Master’s in Software Engineering at Concordia University. I have a strong interest in Java, C++ and I am alwayseager to learn new skills and advance my career.

* **AEISHA VYAS** (40043598). *Email:* [*aeisha20793@gmail.co*m](mailto:aeisha20793@gmail.com)

I am a master’s student at Concordia aspiring to be a better Electrical and Computer Engineer. I completed my bachelor’s in electrical, but after completion and working under Power Generation sector I decided to change my career towards Computer Studies. For me, each day is a new opportunity to enhance my knowledge.

* **MANJOT KAUR GREWAL** (40014336). *Email:* [*mkgrewal077@gmail.co*m](mailto:mkgrewal077@gmail.com)

I am pursuing master’s in Software Engineering. I completed my bachelor’s in Information Technology which motivated me to further enhance my knowledge in this field. My interests are Java and C++.

* **HARMANPREET KAUR RAJPUT** (40014345). *Email:* [*harmanpreet1693@gmail.co*m](mailto:harmanpreet1693@gmail.com)

After completing my bachelor’s in Information Technology, now I am a student of master’s in Software Engineering. My deep interest for technology motivated me to take a further step in this field.

**Description:**

The aim of the University Management System is to handle all the activities and functionalities of a University, transforming the tiresome manual paperwork to a more efficient and faster automatic system. This will enable the management to focus on the more important tasks and let the system handle the other tasks which might not need the supervision of a personnel. This system will be able to efficiently handle most of the work done by the University management such as admission, fee and fine payments, course allotment, registration, class schedule, result declaration and much more. The student and faculty will also be able to enter their personal information like address, phone number, etc. and may also change these details if there is ever a need.  The administration or the person having the Admin rights will be able to retrieve all the information of their staff and students.

All the study activities of a student may also be stored in the system, such as daily attendance, assignment submission details, library activities (such as which books they read on the University’s portal online, the due dates for the books, laptops). The student will be able to log into the system using their personal ID and Password and open the course registration page and check details like the list of courses they can choose from, day and time allotted for the course, duration of the course, details of the assigned professor, etc. All these details will help the student decide and select the course and program they see best for them. The University will be able to make a report on the students enrolled with them describing their academic performance and progress.

The employees will also benefit from the system. They can submit their availabilities to the University for the course online, create a time management table and keep track of their daily activities like the amount of work completed, assignments and exams taken, etc. Leave applications maybe filled online in the University portal and the paystubs can also be received online. They can easily keep records of their student’s progress and create annual reports and send them to the administration for their approval online.

This system will help the management to reduce its dependency on manpower and in turn create more budget that might be useful for other development activities.