Delivery Project Plan

Project Name: **Course Registration Management System**

Created/Updated: **09/22/2018**

Project Lead: **Sai Rohith**

1.0 Purpose of Project

The main purpose of this project is to develop a Course Registration Management System which would provide students with a unified module, not only letting the students register for the courses and look up the course details but also the facility to chat with the professors and registered students. It would facilitate a consolidated view of the course details, seats available, ratings of the professor and past student grade records. Similarly, the faculty will also be able to view their courses , registered students, etc. The system will also have payment portal for the students to pay their fees. Registrar will be the administrator, who has the central authority to manage the student and professor account.

2.0 Objectives & Deliverables

Objectives	Deliverables
To accomplish this goal, the following will be done:	The following will be delivered as a result of accomplishing this objective. *Where possible, tie deliverables to objectives.*
Login Registration	❑ Provides registration for the students
Student Profile	❑ Student's profile will be created with all related consolidated information.
Course add, drop, search	❑ Facility to add, drop or search for the desired courses
Messaging and chat	❑ Option to exchange views and clear doubts through chatting with students and professors.
Payment portal	❑ Providing option to pay the fees as per the courses taken.
Individual course page	❑ Option to view the course details, seat availability, past students' records, segmentation of the courses on the basis of difficulty level.

2.5 Scope Control

In Scope	Out of Scope	Uncertain
Customizable themes	Group chat	Implementation of actual payment gateway
Financial aid		
Two factor authentication		
O Authorisation		
Password recovery		

Areas in which to define the scope of the project include:
a) Business functions and processes
b) Systems with which this project will interface

- Gmail/Facebook API
- Duo authentication API

c) Interdependencies with other projects -NA
d) Interdependencies with other groups (internal/external) -NA
e). Technology expected to be deployed by this project (software, hardware, infrastructure, communication).

- Software
  - Postgres10.2
  - Atom
  - Node
  - ReactJS
  - Python
  - Flask

- Hardware
  - I5 processor,
  - 8GB RAM,
  - 500 GB Hard Disk,
  - Red Hat

- Infrastructure
  - Postgres Database
  - SILO Server space

- Communication
  - Email
  - Face-Face Meetings

3.0 Approach

- ❑ The system will be developed in-house by the team. It will be delivered in phases as part of larger project and will be developing pilots. 50% of the team has the idea on the technologies and will be guiding the rest 50% of the team. For the end of first sprint, 75% of the team will get acquainted with the technologies and by the end of second sprint every team member will be able to think and progress independently with the tasks.

3.5 Time Line

Milestone / Deliverable	Completion Date
Registration and Login	9/29
Student Profile	09/29
Course add, drop and search	10/08

Individual Course pages	10/08
Messaging and Chat	10/22
Statistics of the course for registrar and professor	11/05
Payment Portal	11/26

4.0 Stakeholder Roles & Responsibilities

Project Role	Who	Project Responsibilities	% Time
Sponsor	Sagar/Murtaza	❑ Provide resources	1%
Project Manager	Adeel Bhutta	❑ Manage the resources and team	5%
Project Team	Aravind Parappil	❑ Develop/Test/Deployment	21%
	Juhi Deshkar	❑ Develop/Test/Deployment	21%
	Kriti Shree	❑ Develop/Test/Deployment	21%
	Sai Rohith Achanta	❑ Develop/Test/Deployment	21%
Others	Sagar / Murtaza	❑ Requirement specification	6%
Tech Integration	SICE Help + Development Team	❑ Provide technical assistance and infrastructure	4%

4.5 Communication Plan

What	Who (is involved/receives)	Frequency
Team Meetings	Everyone	3/week
Meetings with Sponsor	Team + Client	1/week
Written Status Reports	Team + Client	1/week
Other Forms of Communication		

5.0 Project Budget

	Initial Cost	Recurring Cost
0		

6.0 Risk Plan

Define key risks such as assumptions, dependencies, and constraints and a planned response for each.

Risk Factor	Impact On Project	Risk* Rating	Risk Plan or Mitigation Strategy	Person Responsible	In Place By
Skill Gap	Slow development	H	❑ Knowledge sharing	Sai/Aravind	
Student reviews about the course	Missing a major functionality	H	❑ Learn beforehand the working from experienced person	Instructor	
			❑		
			❑		
			❑		

**Rating = Probability that the risk will happen (H,M,L) x the Severity of the Impact if it does (H,M,L).*

HxH = H   **HxM = H**   **HxL = M**   **MxL = M**

7.0 Assumptions

This plan is based on the following assumptions (about resources, policies, schedules, technologies, etc.):

❑   NA

8.0 Success Criteria

How we know we are successful. How to measure success:

❑   One of the measures of success for this project is the completion of project on time. Also, the functionalities mentioned by the customer have been implemented.

References
List documents where more detailed information about this project can be found.

NA