

Delivery Project Plan

Project Name: **Course Registration Management System**
Created/Updated: **09/14/2018**
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.

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. <i>Where possible, tie deliverables to objectives.</i> |
| Login Registration | <input type="checkbox"/> Provides registration for the students |
| Student Profile | <input type="checkbox"/> Student's profile will be created with all related consolidated information. |
| Course add, drop, search | <input type="checkbox"/> Facility to add, drop or search for the desired courses |
| Messaging and chat | <input type="checkbox"/> Option to exchange views and clear doubts through chatting with students and professors. |
| Payment portal | <input type="checkbox"/> Providing option to pay the fees as per the courses taken. |
| Group chat | <input type="checkbox"/> Students can interact with the other students who have registered for similar courses. |
| Individual course page | <input type="checkbox"/> 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 | Multi-factor authentication | Implementation of actual payment gateway |
| Financial aid | | |

Areas in which to define the scope of the project include:

- Business functions and processes
- Systems with which this project will interface

- 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 | 9/24 |
| Student Profile | 09/24 |
| Course add, drop and search | 10/08 |
| Individual Course pages | 10/08 |
| Messaging and Chat | 10/22 |
| Group Chat | 11/05 |
| Payment Portal | 11/26 |

4.0 Stakeholder Roles & Responsibilities

| Project Role | Who | Project Responsibilities | % Time |
|-------------------------|------------------------------|--|--------|
| Sponsor | Sagar/Murtaza | <input type="checkbox"/> Provide resources | 1% |
| Project Manager | Adeel Bhutta | <input type="checkbox"/> Manage the resources and team | 5% |
| Project Team | Aravind Parappil | <input type="checkbox"/> Develop/Test/Deployment | 21% |
| | Juhi Deshkar | <input type="checkbox"/> Develop/Test/Deployment | 21% |
| | Kriti Shree | <input type="checkbox"/> Develop/Test/Deployment | 21% |
| | Sai Rohith Achanta | <input type="checkbox"/> Develop/Test/Deployment | 21% |
| | | | |
| Others | Sagar / Murtaza | <input type="checkbox"/> Requirement specification | 6% |
| | | | |
| Tech Integration | SICE Help + Development Team | <input type="checkbox"/> 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 |
|--------------------------|------------------------------|----------------|
| People | | |
| ▪ Staffing | \$2400 for 4 developed/month | |
| ▪ Consultants | NA | |
| ▪ Training/Documentation | \$50 for online training | |
| System | | |
| ▪ Hardware | \$10000 | |
| ▪ Software | \$1000 | |

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 | <input type="checkbox"/> Knowledge sharing | Sai/Aravind | |
| Group chat implementation | Missing a major functionality | H | <input type="checkbox"/> Learn beforehand the working from experienced person | Instructor | |
| | | | <input type="checkbox"/> | | |
| | | | <input type="checkbox"/> | | |
| | | | <input type="checkbox"/> | | |

**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