

Project Proposal

Academic Year 2016

Project Details

Title of Project: Web based School Management System.

Name and address of client: Rotary International School of Higher Studies.
No: 15/3, Samudra Devi Mw, Nugegoda.

Motivation for project:

Education is the backbone of every nation, hence it is important to provide a strong education foundation to the children. Rotary International School is a popular private school. They wish to become the best private school. But this school is using a totally manual system to manage the school.

The school management has to handle records for many numbers of students and maintenance was difficult and they have to spend more time. Other important thing is keeping details of student without any damage. Searching, upgrading the details is a tedious task also there is a chance of errors. Keeping record of student attendance manually is wastage, maintains problem, lack of communication. As payment records are kept in manually, therefore, frauds can be occurred. It is also inefficient way, hence management can't identify easily students who pay the fees and not. To overcome the above mentioned difficulties the client requested a web based School Management System.

Objectives and scope of proposed project:

- This allows authorized members to access the record of academically registered students.
- Allow students to register online from anywhere.
- Creation of new record, Deletion of records, updating in record, Display of data in record and searching records.
- Mark attendance of students, teachers.
- Insert marks for each student in each subject they taken.
- Provide details of event such as competition, sport day.
- Enable student to view class schedules online.
- Keep records about leaves from the school by students.
- Provide user friendly interface, secure access to the users.
- Provide quality services to the student.
- Generate various kinds of reports.
- Student can access to this system over the internet.

This consists of internal system and a web site. The users can access the system through own account. Student can visit the web site and register online. The system facilitates handling the admission process, maintaining and reporting of student and teachers data, maintaining records of attendance and absences, recording details of about payments of students and sending

notification of payments to parents. It also allows to views class schedules online viewing report of child (marks, grades and academic progression). The school management can communicate with child and parents.

This Web based School Management System can help Rotary International School to solving the problems in existing manual system. This system help to minimize wasting time, effort resources and frauds, lack of communication and also make the system secure.

Modules:

- User Management
- Registration Management
- Attendance Management
- Payment Management
- Leave Management
- Event Management
- Report Management
- Schedule Management
- Calendar Management
- Grade Management
- Inquiry and Notification Management

Critical functionalities for project:

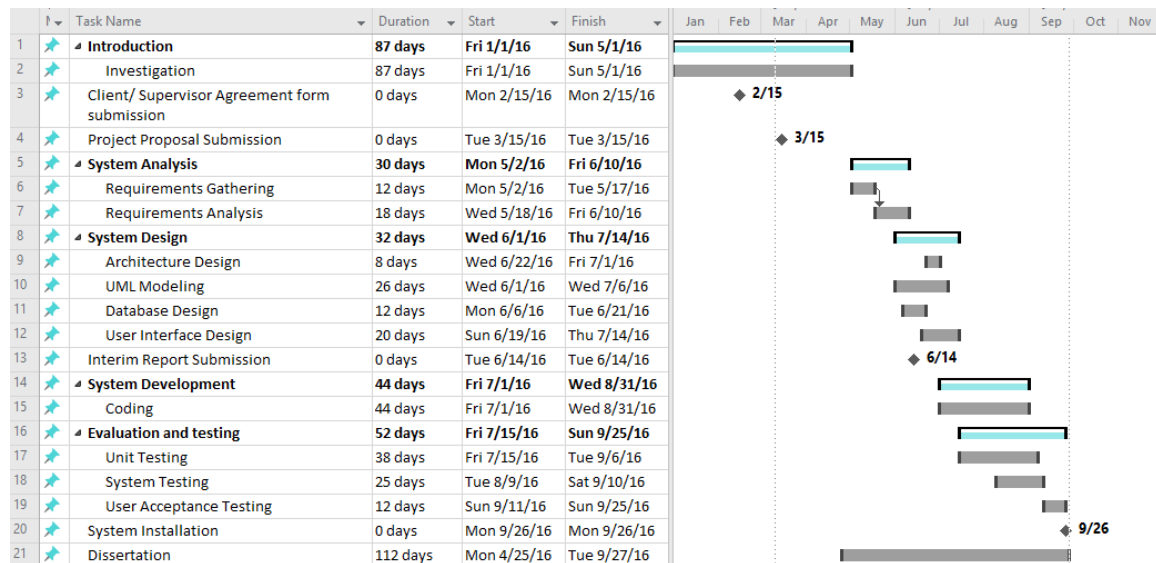
- User authentication and authorization with secure access
- Online students registration.
- Student can access through his own profile, they and parents shall view reports of his child. Parents shall communicate with teachers.
- Teacher can record student's attendance.
- Send notification about payments.
- Notify parents meeting.

Itemized list of deliverables of the system:

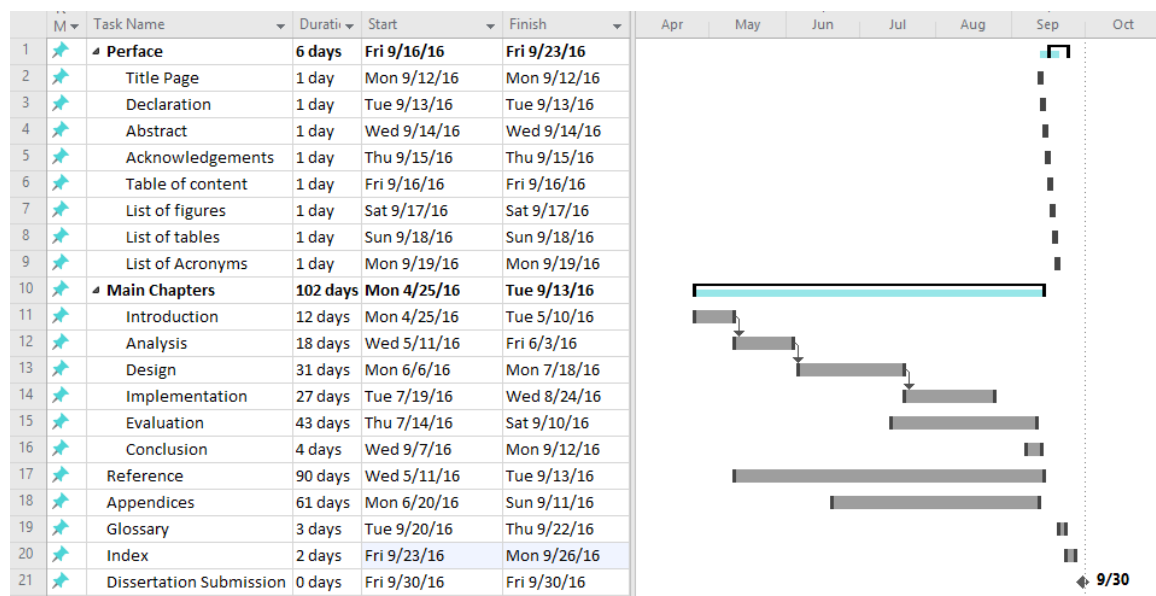
Note: Deliverables are items that you would deliver to the client at the end of the project.

- User manual
- Web Application and Web site
- System manual
- Questionnaire

A project plan using Gantt chart (include the work involved in system development as well as writing the dissertation):



Gantt chart for system development



Gantt chart for Dissertation

Resource requirements for project (e.g., hardware, software...):

(Development Environment)

Software:

Operating System	:	Windows 8
Web Scripting	:	PHP
Web Server	:	Apache
DBMS	:	MySQL

IDE	:	Netbeans 8
Software Bundle	:	XAMPP
Drawing Tools	:	MS Project, Rational Rose
Technologies	:	HTML, HTML5, CSS, CSS3, JavaScript, AJAX, JQuery, Google chart
GUI for DBMS	:	PHP MyAdmin

(Implementation Environment)

Software:

Server

Operating System	:	Ubuntu/Linux
Web Scripting	:	PHP
Web Server	:	Apache
DBMS	:	MySQL
Web Browser	:	Internet Explorer, Firefox, Chrome, Opera
Software Bundle	:	XAMPP

Client

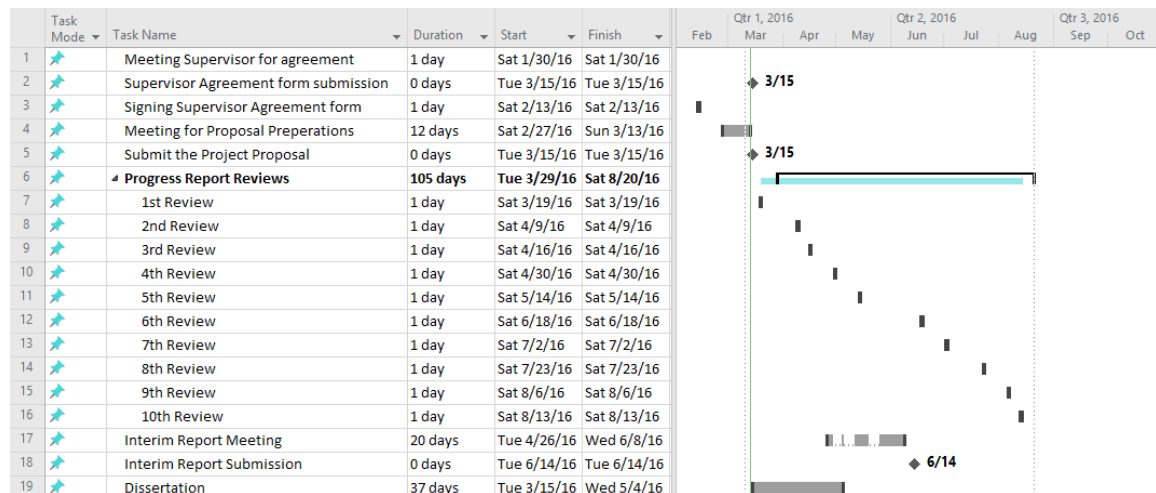
Operating System	:	Windows 7/8
Web Browser	:	Internet Explorer, Firefox, Chrome, Opera

Hardware:

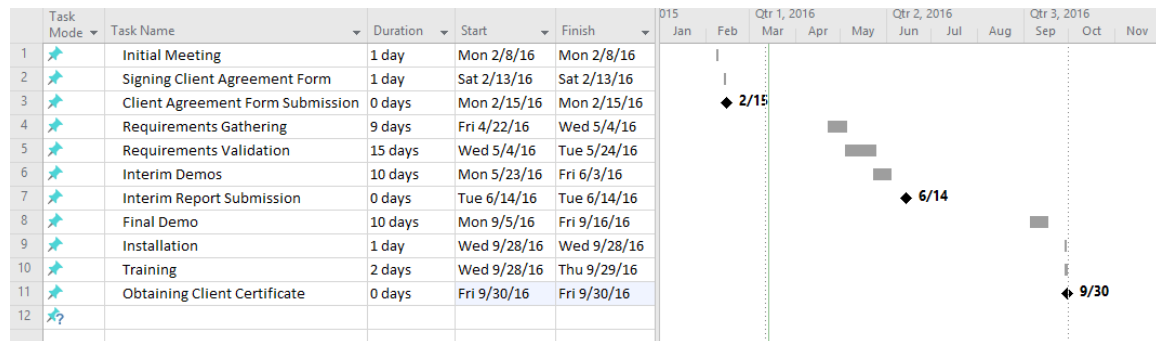
Server

Processor	:	Intel(R) Core (TM) i5-2450M CPU @ 2.50GHZ.
RAM	:	4GB.
HDD capacity	:	500GB.

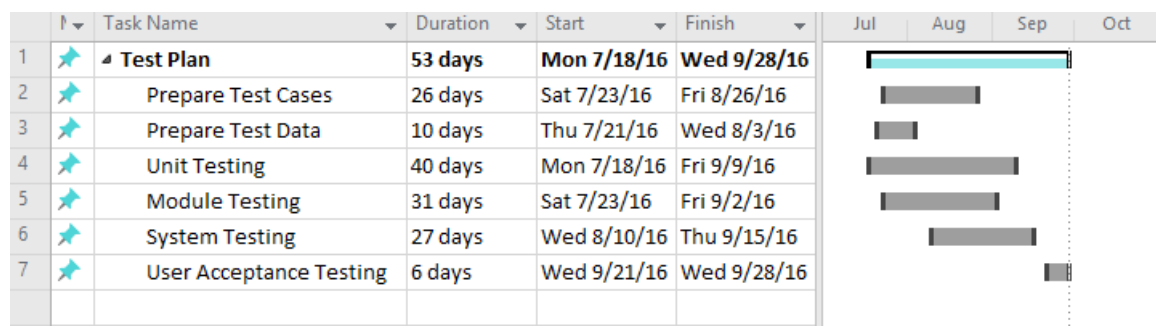
Project evaluation plan (test plan- to test the application, supervisor meeting plan –to check the progress, and client meeting plan – to review project activities)



Supervisor meeting plan



Client meeting plan



Test plan

Note: Any deviation of the final project from the project described in this proposal should be explained by the candidate in the dissertation.