**INSTITUTE OF PUBLIC ADMINISTRATION AND MANAGEMENT (IPAM)**

Course: BSc Information Systems (Hons) Year 3

Module & Code: Software Engineering II ISM 322

Lecturer: Mr Daniel Chaytor

Second Semester

**Group Project**

**Proposal: comprehensive Web Portal**

**Group Name, ID and Email**

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Ghithub account: <https://github.com/assv-portal/com-web-portal.git>

**Comprehensive Web Portal**

This is in reference to the first class we had with you regarding the project assignment.

The discussion has given us a very clear thought line as to your specific requirements and the course that the project would take. We look forward to your assistance on the project and make this project a success. Below is the detailed proposal for our project, with specific focus on Software Development Lifecycle, Project Management Process and project delivery.  
The proposal is valid for 2 month starting from September, 2020.

We look forward to discuss the proposal and finalization of the modules as per your  
interest and requirement.

**Project scope**

The purpose of this proposal is to develop a comprehensive portal to manage student information and attendance along with detail reporting using web platforms, where student activities specially attendances will be marked and tracked through RFID base identity card.

**Scope of services**

1 design and development of web portal to setup school, it campuses, classes, session, groups, etc and further maintain student registration, attendance information, class schedules.

2 development of custom control for real time reporting for the management/ administration. The control should provide graphical presentation of report base on real time processing.

**Project management**

**Project structure**

As assign project team leader will be available to present information and coordinate with the team, including a reasonable number of meeting to present design and development solution.

We will provide the necessary reporting as require by our lecturer and we are also open to communicate on daily basis as well, we can report using emails and chart.

Project phases

|  |  |
| --- | --- |
| **PHASE** | **ACTION ITEMS** |
| Review and sign off | * Proposal review and sign off |
| planning | * Requirement analysis * Design, review and approval of feature listing for web |
| Design, development and integration | * Designing and development of database structure * Development of navigation scheme of web portal * Develop and integrate features / modules * Development and integration of custom controls |
| Content and testing | * Review/edit web portal * Test all links, forms, integrated application and emails to make sure they all work effectively * Present the product for review and approval * Training |
| Final handover | * Transfer and handover of ownership of the product * Launch on live sever |
| Maintenance and support | * Our dedicated team will support for maintenance and support * Continual improvement on agreed terms |
|  |  |

**Project deliverables and milestones**

**Deliverables**

The deliverables for this part of the project the following items:

1. Web portal including all the features. Including custom control for real time reporting and integration of email in the application
2. The integration for attendance marking and management using authentication system.

**Project team**

Following will be the team working on this project from time to time

|  |  |
| --- | --- |
| RESOURCES | NO |
| Augustine Ansumana (Team leader) | 1 |
| Mohamed Solomon (Database analyst (architect)) | 1 |
| Vanessa Denzilia Sonia Lewis (UI designer) | 1 |
| Salamata Bah (PHP web developer) | 1 |
| total | 4 |

**Schedule of deliverables**

|  |  |
| --- | --- |
| **Milestone** | **days** |
| **Planning** |  |
| Requirement analysis  Design, review and approval of feature listing, wireframe for web | 5 |
| **Design, development and integration** |  |
| * designing and development of database structure * development and navigation scheme of web portal * develop and integrate features/modules * development and integration of custom control | 20 |
| **Content and testing** |  |
| * Review/edit site launch content * test and links, forms integrated application and email address to make sure they all work effectively * present the site for your review and approval | 5 |
| **Final handover** |  |
| * Transfer and handover of ownership of the project * Launch on live server. | 5 |
| Total | 35 |

This period of time may vary depending on additional workout last-minute changes, and additional submissions.

**Project cost**

All cost are based on understanding of the information delivered by the lecturer and have been determined keeping the complexity of the work require efficiency and quality. While we are reasonably confident that this quote represent most of the requirement, we reserve the right to re-evaluate the cost structure should the requirement of the project change.

|  |  |
| --- | --- |
| **INSTALLMENT** | **PROJECT PHASE** |
| 1 | Requirement analysis and design |
| 2 | Database and UI theme development |
| 3 | Web development |
| 5 | Integration, testing and launch |

**Conclusion**

We are looking forward to provide exceptional and perfect optimized solution for your needs. If you have any question please feel free to reach out to us. For complete set of services that we offer please check our GitHub account.

**Project methodology**

Generally, project are split into two phase requirement analysis and design, and development and testing, during each phase, corresponding document are produced as part of the project control process

**Requirement analysis and design**

All project start with an idea for a product, service, new capability or other desire outcome. The idea is communicated to the project team

Once the project is understood, a more detailed system requirement specification document is prepare that explains the project. The SRS document we have is use to provide this information and to allow an assessment to be made about the project feasibility.

In peculiar it outline the scope, goals and objectives, deliverables, the assumptions being made, the key people involve, expected business benefit, costs and duration.

In design the phase we will create product proto type where we will provide PSD and html

**Development and testing**

In development phase we start with creating project plan, the project plan is the most commonly in the form of chart, which identifies the stages of tasks and answer the questions as to who will carry them out in an associated timeline. A good plan will include regular milestones that act as a measure of progress and keep the development team focused on short and long term goal project plan may also include information about costs, human resources and dependent projects.

After the development is stared, it is important to assess all factor that could have an impact on it. With our team this is done by using the issues log and risk log. The issues log is used to record issues and assign an owner with a plan to resolve them.

The team intimately follows common standard norms for quality. In testing phase, it is important to know whether the project has achieved its objective. This is done by using the SRS document. This document business case, project plan, costs, duration and tolerances

**Development**

**Project management process**

All the phases involved in project management are highlighted in the diagrammatic representation

**Development and testing**

development

**Requirement analysis and design**

**Initiation**

Milestone reviewing process

**Reporting capabilities**

We will provide the necessary reporting required by lecturer and we are also open to communicate on daily basis as well, we can report using emails, and chart.

**Technical support**

Our team maintenance and support division is equipped with state of the art infrastructure the made it possible when needed according to the service level agreements we signed with them. On top of it, our team of motivated and seasoned professionals are keen to help and solve the escalated issues irrespective of their complexity level in timely manner. While working we will always prefer to take proactive measure to ensure problems do not happen again. We have setup a support system that ensures on-line and effective resolution of issues.

We follow the module guideline base on the standards in delivery support service and maintaining as agreed upon. All the items either escalated via phone, email or chart, assigned to resolve the problem.

To manage the expectation, we will sign service level agreement with each other outlining the level of support service we will be giving including but not limited to terms and conditions, issue resolution process, time, accessibility, and dedicated.