Online Virtual Class

Online Virtual Class is an online, web-based learning system developed to create, deliver, track and administer learning content, student progress and student interactions anywhere, on any device.

*Role of Online Virtual Class  
The Online Virtual Class performs three important educational functions:*

1. Facilitates the consistent delivery of course content
2. Provides a structure for course management; and
3. Provides the educational institution with powerful tools for curriculum development, communication, collaboration, calendaring and task management automation.

*Features:*

1. Project based and authentic learning experiences - the system provides a suite of easy to use collaboration tools as wiki's, blogs, forums, pages, presentation tools, e.t.c that can be used to create more authentic learning experiences as well as provide tools for teachers and students to manage and organize both individual and group projects.
2. Personalized instruction - ability to access information regarding individual student learning profiles and preferences in order to differentiate and personalize resources and assessments based on student learning styles.
3. Media rich, user-friendly and engaging resources - ability to easily access, archive, and retrieve media resources without needing advanced technical expertise;
4. Standards based course content management - ability to easily catalogue/assign/align activities, assessments, and other learning resources to standard of choice.
5. Student performance analytics package - ability to view multiple means of assessment quickly for each student in a centralized location.
6. Communication/task/organization management features - announcements, to-do lists, reminders, administrative task management;
7. Security - ability to utilize tools such as "Youtube", search engines, and social networking tools safely in order to model their appropriate use and focus on instruction;
8. Instructional tools - discussion board, content management and delivery.

*Technical Requirement*

* On-Premises or Hosted Solutions. On-Premises will require the procurement of new infrastructure or use of existing infrastructure. Hosted solution can be done on a sub-domain of current organisation's domain.
* Linux, Apache Web Server, PHP application engine and MySQL Database Server.
* Installation, customization and configuration of LMS

*Implementation Plan - Timeline*

* Server setup and configuration - *Week 1*
* Install, customization and configuration - *Week 2 & 3*
* Upload of Courses and Users information - *Week 3 & 4*
* Initial evaluation with staff, students, administration e.t.c - *Week 5 - 8*

*Post Launch Deployment and support*

* Year-end evaluation: Qualitative evaluation of learning system.

*Training & Documentation*

* Different levels of training will be provided to different groups of users; ICT personnel, lecturers, course facilitators e.t.c.
* Hard copy documentation with steps on the use of the platform.

*Cost Implication*

|  |  |
| --- | --- |
|  | Cost (N) |
| * Server setup & configuration | 40,000 |
| * Installation, customization and configuration | 200,000 |
| * Course and user upload | 50,000 |
| * Training & documentation | 50,000 |
| **Total** | **340,000** |

Enterprise Document Management System (EDMS)

A system for overseeing and managing an organization's paper and electronic document among working team.

*Role of Enterprise Document Management System:*

1. Promoting a smooth and speedy workflow in an organisation
2. Promoting the use of electronic resources while reducing paper documents

*Features:*

1. Task - Create, assign and track the progress of tasks.
2. Announcements - Share news and information with users or team members.
3. Calendars - Create and share calendars with team members, create meetings and manage recurring events.
4. Document Libraries - Share and manage related documents through a library of multiple documents.
5. Contacts - Share contact information with your team so they can keep in touch.
6. Surveys - Create a Poll that your team can vote on, with customizable survey options.
7. Discussion Forums - Discuss related issues with your team and easily references resources.
8. Wiki pages - Set up, maintain and share information amongst team members using a Wiki based knowledge management.
9. Blogs - allows you to set up a fully functional blog site within your site.

*System Requirement: Hardware and Software*

* 64-bit, 4 core Server with 8GB RAM, 1 Terabyte HDD
* Installation and configuration of Windows Server, Web Server (IIS), SharePoint Server, SQL Server

*Implementation Plan*

* Windows Server Installation - *Week 1*
* Installation of Web Server (IIS), SQL Server - *Week 2*
* Design & development of Document Management System - *Week 3-5*
* Deployment - *Week 6*

*Training*

* Training for different categories of users

*Cost Implication*

|  |  |
| --- | --- |
|  | Cost (N) |
| * Windows Server Installation | 30,000 |
| * Web Server (IIS), SQL Server Installation | 50,000 |
| * Design and development of Document Management System | 250,000 |
| * Deployment | 50,000 |
| * Training per staff | 10,000 |
| **Total** | **390,000** |

OpenScholar

A content management platform for academic scholars to create, manage and publish content, interact and collaborate with other internal and external scholars.

*Role of OpenScholar:*

1. Afford scholars the opportunity of managing their professional content in one place
2. Promote visibility of scholars

*Features:*

1. Scholar Publications - Create and maintain bibliographic records of publications.
2. Scholar bio/cv - Create and manage your curriculum vitae as well as your biography.
3. Scholar classes - Create and manage information on classes taught or otherwise relevant
4. Scholar reader - Pull in useful content from other sites on the internet - including your Twitter feed - directly to your site.
5. Scholar announcements - Create and manage announcements
6. Scholar blog - Provides simple blog functionality for your site.
7. Scholar Events - Create and manage events on your web site.
8. Scholar profiles - Maintain a directory of contributors to your projects.
9. Scholar custom - Create basic web pages for your web site.

*Technical Requirement:*

* Cloud hosting, recommended installation on a sub-domain
* Windows or Linux hosting platform
* Apache, PHP5.2, PHP GD extension, 96MB memory limit, MySQL

*Implementation Plan - Timeline*

* Installation and configuration - *Week 1 & 2*
* Design and development of OpenScholar - *Week 3-6*
* Deployment - *Week 7*

*Training*

* Training ICT personnel on how to administer the platform.

*Cost Implication*

|  |  |
| --- | --- |
|  | Cost (N) |
| * Installation and configuration | 50,000 |
| * Openscholar design & development | 150,000 |
| * Deployment | 30,000 |
| * Training per staff | 10,000 |
| **Total** | **240,000** |

Socio-Academic Network

An online platform for students and staff to keep abreast with events, happenings, interact and collaborate with one another.

*Role of Socio-Academic Network*

1. Easily dissemination of information among staff, students and the public
2. Engender social and academic exchange among members
3. A medium for members to share their thoughts and opinions on issues

*Features:*

1. News Feed - A site-wide feed of posted information from members on the platform
2. Groups - Created groups of organisations, unions, associations and clubs to reach out to its members and the public.
3. Multi-blogs - Hosting of multiple blogs on same platform and domain.
4. Who's online - A display and notification of members currently online.
5. Upcoming Events - A list of upcoming events, dates, locations and other information.
6. Forum - a discussion board to raise topic and contribute to the topic raised by other members.

*Technical Requirement*

* Apache, PHP/MySQL
* Recommended hosting on a sub-domain within organization's domain
* Installation, configuration and customization

*Implementation*

* Installation, configuration and customization - *Week 1-2*
* Design and development of theme - *Week 3-6*
* Installation of theme, plugins and widgets *- Week 7*
* Deployment of solution - *Week 8*

*Training*

* Training an ICT personnel on the administration of the platform.

*Cost Implication*

|  |  |
| --- | --- |
|  | Cost (N) |
| * Installation (framework, theme, plugins), configuration & customization | 60,000 |
| * Design and development | 120,000 |
| * Deployment | 50,000 |
| * Training per Staff | 10,000 |
| **Total** | **N260,000** |