Bharati Vidyapeeth's College of Engineering for Women, Pune-43

Strategic Plan and Deployment Document

Strategic Plan

Institute Vision Statement: Women Empowerment Through Technical Education

Institute Mission Statement:

- **Develop women students to rise to their full potential.**

- **Impart knowledge and prepare competent engineers.**

Core Values

- **Commitment**

- **Respect**

- **Excellence**

- **Accountability**

- **Diversity**

The Institute's strategic plan is aligned with the vision, mission and core values of the institute.

Institute recognizes

- the need for holistic development of girl students.

- impact of capacity building of faculty members to impart quality education.

- need to strengthen industry linkages.

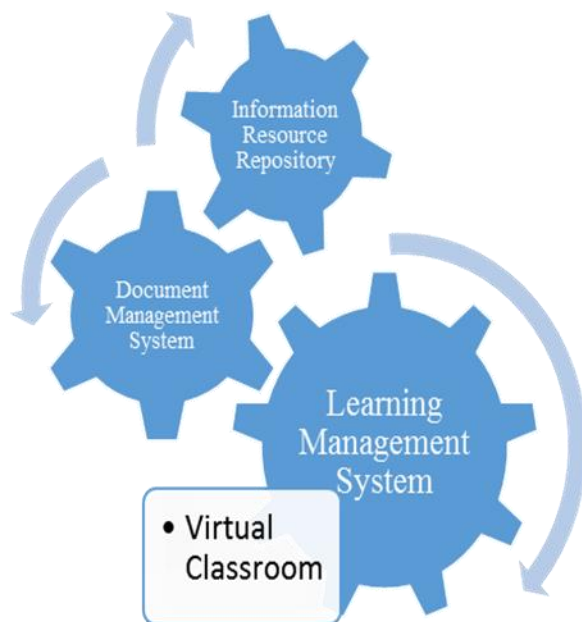- importance of participation in extension activities.

Institute strives for

- Holistic development of girl students through

    a. life skill practices.

    b. building confidence in all types of communications.

    c. building technical competence.

    d. inculcation of creativity.

    e. inculcation of financial intelligence.

- Capacity building of faculty members through

    a. various kinds of trainings.

    b. promotion of research activities and code of ethics.

- Strengthen industry linkages through

    a. induction of industry experts.

    b. sponsored projects.

    c. internship.

- Increase student participation in extension activities.

- Implement Information and Communication Technology (ICT).

Deployment Document

Information and Communication Technology (ICT) System

The ICT system of the institute consists of three modules a) Learning Management System (LMS) b) Document Management System (DMS) c) Information Resource Repository (IRR) – e-library and a sub module Virtual Classroom.

ICT Modules of the Institute

The steps for installing and deploying ICT components are as follows:

1.0   Overview of Deliverables

For deployment purpose, the deliverable for the ICT system consists of IP address (http://10.16.10.69/moodle/) that can be entered as a URL in browser of the computer system. The institute's ICT system has been developed by creating Moodle instance on the organization's data center server. The contents of the ICT system are accessed and modified,

by entering the username and password, allocated to each user as per the respective user's access permission.

2.0   Installation and Configuration of Learning Management System (LMS)

The system is designed and developed to deploy course wise e-Learning resources that should be accessed by the student(s) user. It is operated by the 'Admin' user, who has the full access and authority of the portal for modifications. The 'faculty' users with restricted access are created department wise by the 'Admin' to upload the course materials, delivering the assignments and conduction of quiz etc.

The 'student' users are also created by 'Admin' for accessing the 'course material', attempting the 'quiz' and to submit the 'assignments'.

Creation of "users" and formation of "courses' are implemented through Moodle Plugins.

3.0   Installation and Configuration of Document Management System (DMS)

 The system has been implemented on a server created by "Xamplite" package to store, manage and track electronic documents. The electronic images of paper based information is captured through the use of a document scanner. The documents are accessed only after entering the username and password of DMS server.

4.0   Installation and Configuration of Information Resource Repository (IRR):

The system is also called as e-Library accessed by using the same credentials of DMS server. As it is an intranet based system the resources of the repository can have restricted access.

5.0   Installation and Configuration of Virtual Classroom:

Following are the components for Lecture Capture System positioned in one of the classrooms of the institute.

Activity	Status
Networking of All classrooms	✓
Camera Mount Installed - Wall Mount or Ceiling Mount	Wall Mount
Camera Installation	✓
Camera Type	Dahua
Server Installation & Configuration	✓
Server Rack Installation	Placed in server room.
Audio Type	IR
Power Backup Installation	✓
Static IP Configuration	NA
Cloud Access	✓
Livestreaming	✓
Application - Local Admin Account creation	✓

6.0   Monitoring of ICT services

The "**ICT system**" of the institute is monitored by Organization's "**Data Center".** The Data center is equipped with battery banks and generators for uninterruptible power supply. Environmental control of Data Center is maintained by computer room air conditioners (CRAC), ventilation, and exhaust systems. Physical security is provided with biometrics and video surveillance systems. Data Center also consists of servers, storage hardware, cables and racks, as well as a variety of information security elements such as firewalls for IT operations and storage of the organization's affiliated institute's data. To monitor operations and maintain infrastructural equipment, the operational staff is appointed by the organization.