- **Election Management System:** A web based Election Management system consist of two parts: a management system and a voting system. By using management system administrator can create ballot paper on the basis of candidate. Voter can vote to the candidate through system and the result are declared.
- **Content Management System as Institute Website:** This system will allow each institute to create its own portal. We need to have mechanism to select various compinents which can display dynamically generated statistical information provided and selected template.
- **GIS Integration:** The date about various entities shall be entered with Longitude and latitude information. The same can be display over Google maps using Google APIs. Alternatively, other sourse for map data like bhuwan can also be used. The pin codes, addresses etc can be used to generate the GIS coordinates. Alternatively, we should provide mapping and selection system using Soogle maps APIs for entering the GIS coordinate information.
- **Brihaspati Sync:** Brihaspatisync is a platform-independent highly scalable live lecture delivery and interaction tool for holding live classroom sessions over internet using both multicast and unicast technology. The Brihaspatisync is built using java as standalone application. There are five basic components in this system. The server module manage the authentication process, allocation and deallocation of multicast IP address. It uses MySQL database which is shared with Brihaspati (The virtual class room).
- **Student Fee Management System(SFMS):** Computerized the manually operated System. This system incorporates GUI technology that enables users for easy working on this module. This is an easy, quick and integrated system that saves a significant amount of time and effort. One can assign fee heads to different structure and customize its properties like calculation basis, calculation type etc. Various fees related reports will be generated from this module.
- **Library Management Systrm (LibMS):** The main functional modules of Library Management System (LibMS) are:- Online Public Access Catalog, Serial,Acquisition, Cataloging, Administration and Security, Utility and System SetUp and Web Admin.
- **Purchase and Inventory Control System (PICO):** The Inventory Control system offers comprehensive reporting capabilities to keep you on top of inventory status. It can help you bring about the creation of new or improved purchasing policies, sales policies, pricing methods, and even enhanced customer service. By leveraging Sage BusinessWorks, you have the tools to create an inventory system with the depth to meet your company's needs for years to come.
- **Payroll Management System:** This system will provide complete mechanism for salary computation, salary slip generation. Salary management, Attendance and Leave management, Loan and advances processing and a

systematic and comprehensive standard based reports.

ERP MISSION

Important URLS:

SVN Code Repository
http://brihsvn.iitk.ernet.in/repos
http://202.141.40.215/repos

Blogger
http://brihaspatiiitk.blogspot.in

Global Code Release Site
http://sourceforge.net/projects/brihaspati

IIT Kanpur Brihaspati Installation
http://brihsvn.iitk.ernet.in

Wiki for this site
http://brihwiki.iitk.ernet.in/WebApps/wiki

Brihaspati
http://202.141.40.215:8080/brihaspati/servlet/brihaspati/

Bugzilla bug and feature request tracking System
http://202.141.40.218/bugzilla/

Payroll Management System
http://202.141.40.218:8080/PayrollSys/

Purchase and Inventory Control System
http://172.26.82.9/repos/jmiedrp/trunk/PICO

Project Management System
http://202.141.40.218:8080/PMS/

debian
http://sourseforge.net/project/

LibMS Managemnet System
http://pms.iitk.ernet.in:8081/LibMS/

Election Management System
https://202.141.40.218:8443/EMS/

Contact Us-
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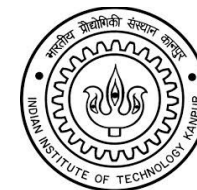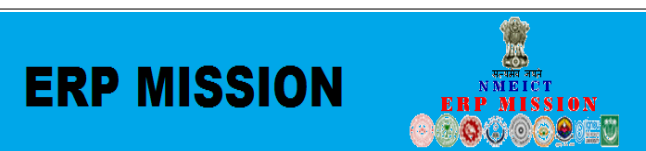EE/ACES, IIT Kanpur-208016
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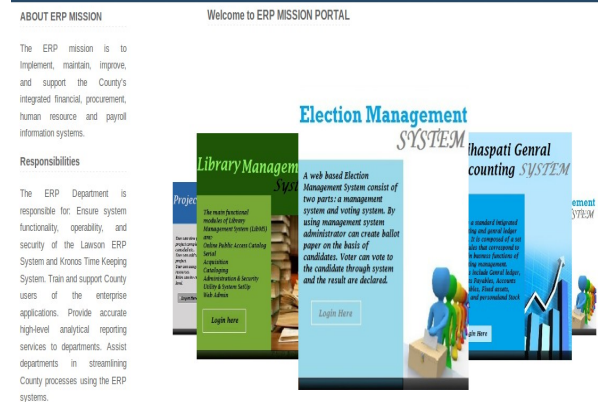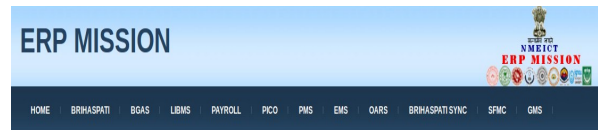
What is National Mission on Education through ICT:

➢ Launched by the Ministry of Human Resources Development (MHRD), Government of India.
➢ Objective: to enrich quality of education in India Having ICT tools.

Main Components:

➢ Network connectivity
➢ Content generation and deployment over network

ERP Mission:

➢ To build, deploy, mainain and upgrade software system to enable institutes in managing their educational and other resources.
➢ Nine institutes collaborating to buildup different modules and components which are being integrated together to from a solution in software as a service (SAAS) model.
➢ Already existing Brihaspati-2 upgraded to Brihaspati-3 architecture to become frist deployed component of whole system.
➢ Continuous release of code, bug fixes on highest priority using feature request to update the design document.
➢ Working draft continuously and update as development in progressing.
➢ Other manin module being done.
➢ Store inventory and purchase system-JMI.
➢ Talent tracking, search, profile management, website

creation and management system for institutes-IGNOU
➢ Payroll and taxation management for institutes employees-SMVDU.
➢ Online admission system, academic registration, project management system-DEI.
➢ Library Management System (LibMS), Election Management System-AMU.
➢ Time table generation, GIS integration-IITR.
➢ Funding management, Utilization summary generation, Project proposal submission, review system, project ledger and accounion system-AVV
➢ Alumni Management System-NITH
➢ Overall coordination and integration P2P cloud, system for operationlizing cloud based services, Brihaspati-3 LMS development,open id based single sign-on system, Android app based extension, code repository maintenance-IIT Kanpur.

Brief description of other modules developed by partners institutes

➢ **Brihaspati Learning Management System:**The software developed by IIT Kanpur. It is the open platform of learning.

It is the java servlets based content delivery system. Administrator(admin) is the main authority of Brihaspati. The software is free of cost. We can enter in to Brihaspati as a student, instructor and admin mode.Guest can enter direct to Brihaspati but the instructor and student account is created by the admin.

➢ **Brihaspati General Accounting System (BGAS):**BGAS is standard integrated accounting and genral ledger system. It is composed of a set of a module that correspond to the main business function of accounting management modules include Genral , Ledger Accounts, Payable Acounts, Fixed and Personal Assets.

➢ **MHRD GRANTS Multi-site Grant Management System**:It is module in ERP mission it is web-based, intuitive open-sourse grant-management. The system allows call for proposals to be set up by funding agency. The applicants (institutes and other organizations) submitted the proposals. The review ewquest is send to reviewers. Once reviews are received the project are discussed and approved by a committee. The system keeps tracks of proposal. After the funds are released the grantee institute keep on updating the expanse details. The system further allows the grant to be distributed among sub grantee institutes.

➢ **Tax Management System:** Tax management system will provide mechanism to configure taxation logic. It will use a dictionary based approach to define Tax and its parameters.Taxing system will be totally dependent on finance system, and will operate as per the configuration. It will use XML for various definitions and configurations.

➢ **Project Management System:** PMS provides the facility of managing efficiently. It managing a project. This can used by any organization for managing any type of project. The Project Management System would allow creation of projects with a definition of the hierarchy in the team and assignment of tasks to team and individual along with expected time lines.

➢ **Online Admission and Course Registration System (OARS)**:Online admission and Course Registration System is designed to handel the Admission and Course resgistraions of students by Online. The system provied an easy and user friendly environment.