

University Information Management System (UIMS)

1. University Information Management System

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Student Lifecycle Management	Finance & Accounts	HR & Payroll	Administration	Core Communication
Admissions	Grants Management (Book Keeping)	Recruitment	Master Record	Online Certificates
Academics	Assets & Inventory	Employee Information Portal	Estate Management	Thesis Abstract Submission
Alumni	Research Project Management	Payroll	File Tracking	Student Grievance Redressal
		Leave Management	Service Desk	

1.1 UIMS Components and Modules

1.1.1. Student Lifecycle Management

A. Admission Management

- Centralized management of admissions at both undergraduate and post graduate levels
- Integrated help-desk and CRM
- User Friendly Interface
- Payment Gateway Integration
- Unique dashboard for every applicant
- Live Stats and analytics
- Graphs and Reports
- Email and SMS Alerts and Notifications
- Application Review, Tagging and Shortlisting
- Entrance and Interview Management
- Result Publication

B. Academic Suite

a. Learning Management System (LMS)

LMS is designed to support e-learning through social constructivist approaches to teaching and learning to create quality online courses otherwise known as Virtual Learning Environments (VLE's). It is used worldwide in all types of educational institutions: from schools and universities to independent tutors. Instructors do not merely impart information, but guide students through a social and active learning process (Social software).

LMS facilitates:

- Unique login and dashboard for each student and faculty
- Media rich course content
- User Friendly Interface
- Content Repository
- Collaboration tools

Our induction program offers professional development through online mentoring, guided inquiry into creating class materials, and online forums for sharing resources, ideas, and support.

b. Assessment Management

Assessment is an integral part of system of education as it is instrumental in identifying and certifying the academic standards accomplished by a student and projecting them far and wide as an objective and impartial indicator of a student's performance. This module allows the teachers to effectively manage the assessments carried throughout an academic session.

C. Alumni Management

- Alumni information base
- Alumni Login
- User Friendly Interface
- Organize campaigns and Fund Raisers

1.1.2 Finance & Accounts

A. Grants Management (Book Keeping)

- Enables Departments to manage accounts, keep record of transactions
- Role Based Access
- Custom Reports
- Email and SMS based notifications
- User Dashboard and visualisations

B. Inventory Management

- Automates the issuance and retrieval of inventory items and assets.
- Metadata based Asset Tracking
- Asset Assignment
- Vendor Management
- Custom Reports
- Automated Email Notifications

C. Research Project Management

- Lets the Project Investigator manage the funds
- Expense Sheets
- Track fund utilisation

1.1.3 HR & Payroll

A. Recruitment Management

- Centralised management of recruitment of teaching, non-teaching and class 4 staff
- UGC compliance
- Integrated help-desk and CRM
- User Friendly Interface
- Payment Gateway Integration
- Unique dashboard for every applicant
- Live Stats and analytics
- Graphs and Reports
- Email and SMS Alerts and Notifications
- Application Review, Tagging and Shortlisting
- Interview Management
- Result Publication

B. Leave Management

- Multilevel approval based Leave workflow
- Automated process for leave requests and grants
- Request Escalation
- Role based Access
- User Friendly Interface

C. Payroll Management

- Manage Payroll of employees
- Configurable salary heads
- Compliant with Government of India policies
- Secure user login and multi level authentication
- Role based access

D. Employee Information Portal

- Employee Dashboard
- Access to other employee specific modules like payroll and leave management
- User friendly interface
- Employee database

1.1.4 Administration

A. Master Record System

- Central database of all constituent departments, colleges and institutes.
- Login and dashboard for all constituent bodies to ensure up-to-date information
- MIS and Reports

B. Estate Management

C. File Tracking

- Track files and documents sent to other departments/individuals in real time
- Templates for standard document flows
- User Friendly interface

D. RTI Management

- Add RTI Details
- Forward RTI to the concerned department
- Generate RTI reports

E. Online Certificates

- Degree before convocation
- Special Certificates
- Duplicate degree/diploma/certificate
- Attestation of Mark sheet
- Attestation of degree
- Duplicate statement of mark sheet
- Transcript of marks/degree

F. Online Thesis Abstract Submission

- Online Submission of Thesis Abstract.
- Verification of Thesis Abstract by supervisor
- Cumulative report generation of all the submitted Thesis Abstract.

G. Student Grievance Redressal

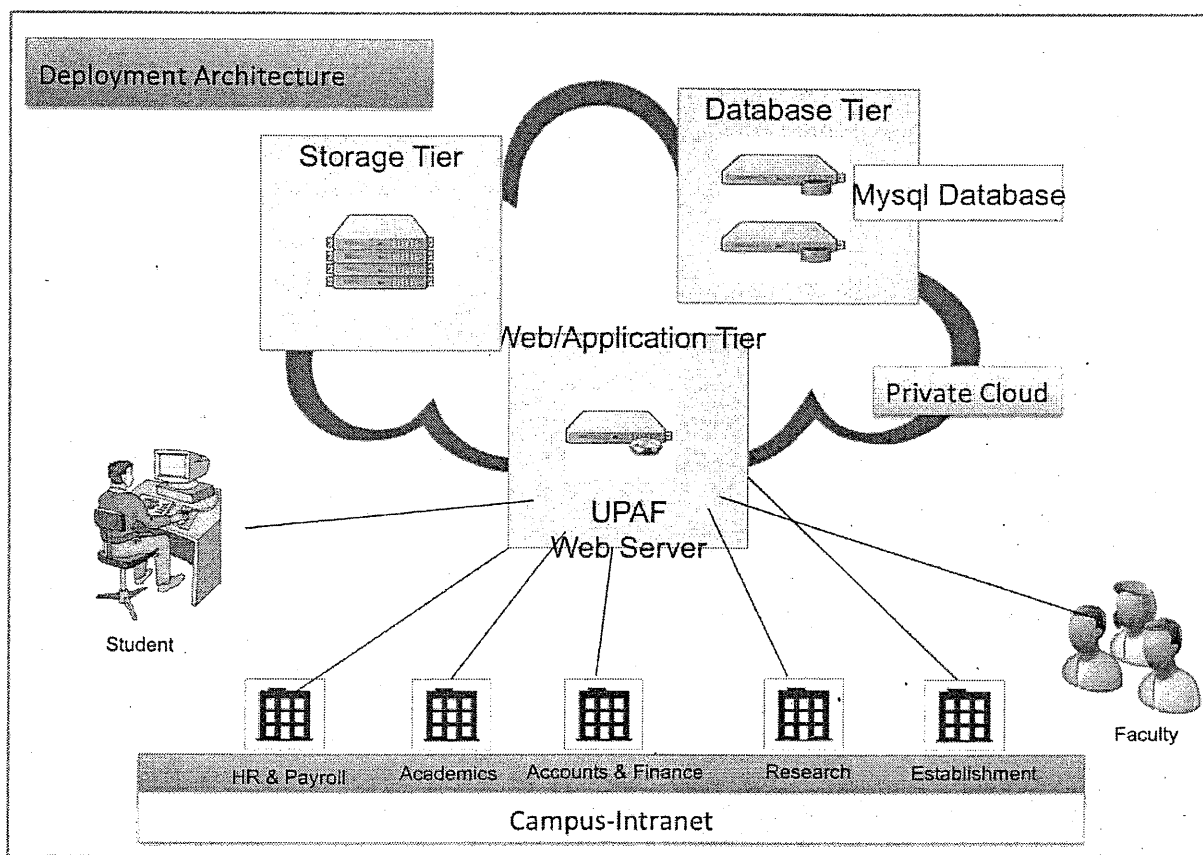
- Online form to get the grievances of the students.
- Administrative portal to communicate with student to resolve the grievance.
- Generate the report

1.1.5 Core Communication

- Manage Employee and Student Directory
- Create Contact Lists and Groups
- Bulk Email and SMS Broadcasts

2. Overall Architecture

The University Information Management System is developed in a modular fashion so that any enhancements or changes can be easily incorporated. The different categories of services along with the IT component that will be used to implement those services are depicted to give an overall view of the system. The diagram below depicts the IT component level architecture for the Solution laying out the various processes and the solution components proposed.



9.

Product Features

- Mobile-First design
- Single Sign-On
- Cross Platform deployment

UIMS is based on open standards, hence gives the flexibility to choose from the various available platforms for the deployment including Linux, UNIX and Windows.

- Interoperability

Each module exhibits great ease while exchanging information, hence a transaction flow, which requires passing through the multiple components can be easily implemented.

- Scalability and Redundancy

The solution is highly scalable and more compute and storage resources can be added as per the load.

- Security

UIMS addresses security at multiple layers. The entire framework works on RBAC (Role Based Access Control) and requires multilevel authentication for business critical functions. At the data layer, critical user information like passwords is encrypted prior to storage in the database. The web transactions are secured by implementing HTTPS.

- Logs

UIMS maintains a complete audit trail life cycle for each individual transaction.