

GLAMS (GLA University Management System)

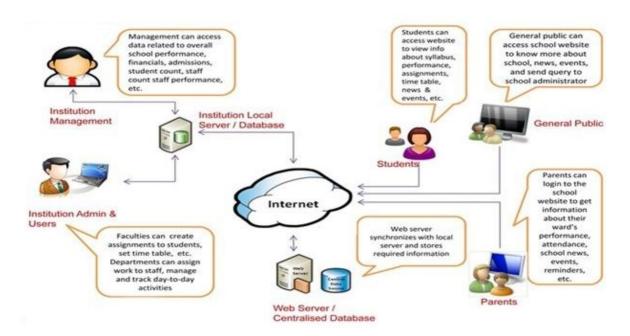
An Integrated Customized ERP Solution For University

Product Specification Document

Version 1.0.0.1

1 INTRODUCTION

"GLAMS" a comprehensive single point integrated education ERP with modules addressing administration, interaction, knowledge management and communication effectively. GLAMS is an interactive platform for all the entities viz. Students, Teachers, Management, Parents, Guests and Alumni's. Connects all the departments of an institution namely office, fees counter, library, hostel, store, academics, activity center and so on.



GLAMS is primarily an initiative to replace university administrative computing systems with a new integrated system. The processes that will be affected by the integrated software implementation shall include Admission, Academics, Human Resource Management System, Financial Accounting, Research and many other areas. It provides an effective decision support system to manage the entire operations and helps in taking timely decisions.

1.1 HIGHLIGHTS OF GLAMS:

- 1. <u>Professional Implementation:</u> Requirements has been analyzed and observed through highly experienced academicians and administrators of various domains in order to customize them into this solution.
- 2. <u>Scalable Solution:</u> Compare to other solutions which are available right now GLAMS requires very much less time to customize the existing product and accept the changes due to its scalable and In-House architecture.
- 3. <u>Robust Technology:</u> GLAMS is based on multi- server architecture having the capacity when more than 250 concurrent users can work together in smoothly fashion with next generation technologies with secure credentials.

4. Other Key Highlights: Other supporting highlights are as follows:

- Advantage of adding Open Source Technology
- Low cost of production and maintenance
- Offering online and offline environment with dual –Way SYNC.
- Virus free server environment
- We offer maximum in features in the education ERP.
- *Integrated customized module collection.*
- *GLAMS focuses mainly on education environment.*
- Secure data management & execution environment.

1.2 KEY FEATURES

1. Flexibility

- Ability to create new data entry forms and add it to menus without requiring any programming support
- Ability to create and format reports
- Ability to add user and their roles
- Ability to Read/Write various integrated technology like Barcode, Biometric etc.

2. Security

- Security to Restrict/Allow User/Role to access up to single Report/Screen/Read-Write Permissions/Modules etc.
- Security audit based on Computer/User/IP on every Records/Processes/Changes or Reports etc.
- Create/Edit/Delete user and their roles
- User Interface based access controls.
- Database Access Control
- Data Encryption on bit basis

3. Customized User Interface

- *Ajax based browser client for intranet/internet.*
- *Mobile based user for accessing the services anywhere.*

- SMS & Email integration and reporting
- PDF/Excel/Html/CSV facility for exporting the reports

4. Maintenance

- Data Import/Export in various formats.
- Software Update/Maintenance/Module Addition with 0% down time.
- Changes can be integrated within available structure with minimum time.

5. Database Management

- Automatic Database Backup
- Manual Restore

6. Customized Reporting

- Formatted Reports
- Analysis Reports
- Modifying Existing Reports (Multi Tables)
- Modifying Existing Reports (Document Lines)
- New Reports (Multi-Tables)
- New Reports (Document Lines)
- Print and Export Reports
- Reports with various styles and customization

2 MAJOR MODULES

GLAMS ERP comprises various modules to give an effective and efficient integrated solution to the university based on various parameters for managing the variety of resources in structural and well defined manner.

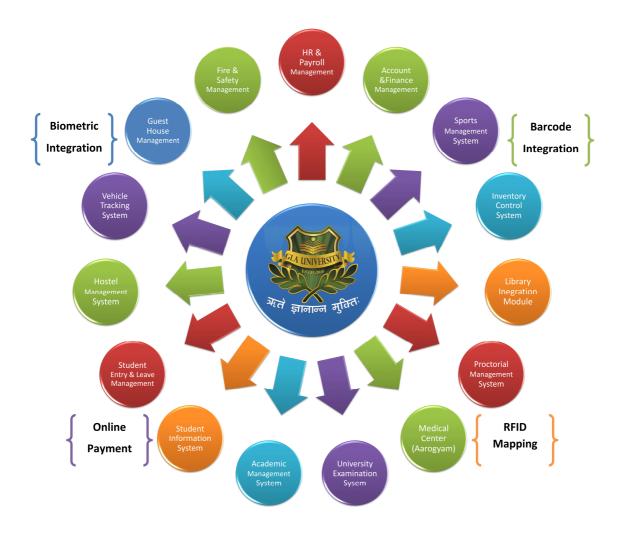


Figure 1: Major Modules

The following are the listing of major modules integrated with the solution:

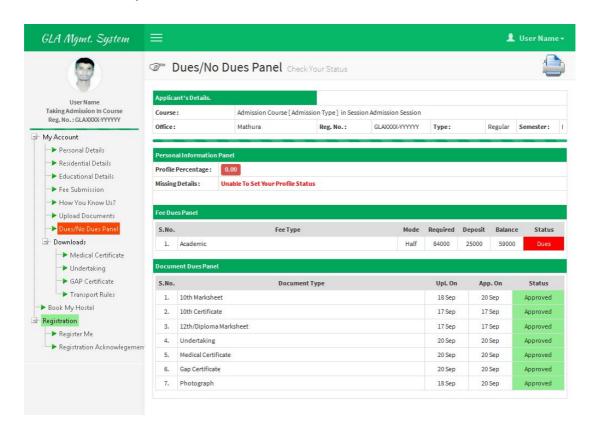
- > Admission Management
- Session/Academic Management
- > Fee Management
- > Student Online Activity Portal
- > Examination Management
- Faculty Activity Online Portal
- Alumni Activities
- ➤ Training Placement Management System

- ➤ Discipline/Proctorial Management System
- ➤ Library (KOHA) Integration
- ➤ Human Resource Management System
- > Payroll Management System
- ➤ Hostel Management System
- > Transport Management System
- > Financial Accounting System
- Purchase/Receiving/Inventory Management System
- ➤ Health Management (Aarogyam)
- > Guest House Management System
- > Fire & Safety Management System
- > Sports & Event Management System
- ➤ Grievance Management System
- > Postal Management System
- ➤ GLAMS Mobile App

3 MODULES DESCRIPTION

3.1 ADMISSION MANAGEMENT

This module incorporates various admission related activities like Registration Entry, Admission Entry, and Enrolment No. Allotment etc. including their supportive reports like Fee Structure Report, Semester Wise Subjects Report, Payment/Receipt Report or ID-Card and many more....



- Live Integration with Entrance Exam Process
- Admission Details, Profile Generation & Registration Entry
- Enrolment Number/ File Number/ Admission Number Allotment
- Fee Allocation and Submission through Online/Offline mode.
- Document uploading, validation & verification.
- Online Scholarship Management
- Integrated messaging service for various activities and pending
- Admission Reports, Analysis and many more customized report

3.2 SESSION/ACADEMIC MANAGEMENT

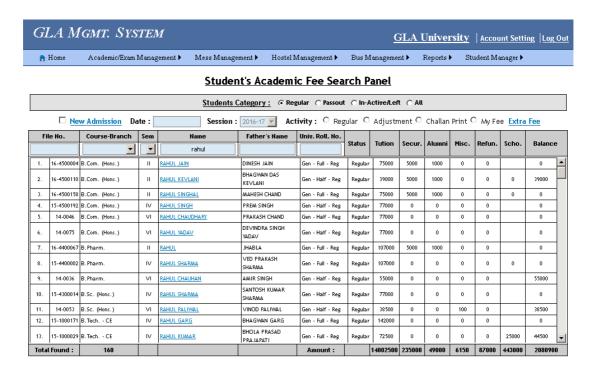
This module allows the administrator and supportive users to manage the various activities related with academic processes. It helps to accommodate and generate various master type data such as course curriculum and their structure.



- Simplification of process with easy to use environment
- Management of current & previous academic session details
- Details of Subjects, Credits, LTP Scheme and syllabus for each Course/Semester
- Load distribution based on course structure.
- Course/Branch/Year wise student details
- Mapping of Subjects to various course, branches and years
- Section & Register Creation
- Assignment of Elective Papers
- Mapping of various batches for Lecture/Tutorial/Laboratories
- Allocation of batches to respective faculties
- Preparation of Lecture Plan for each subject and topic need to cover.
- Extensive set of customized reports.

3.3 FEE MANAGEMENT

This is an important module which is responsible for handling the process of Fee collection from the students as well as the fee for all sorts of admission test and other academic/non-academic activities.

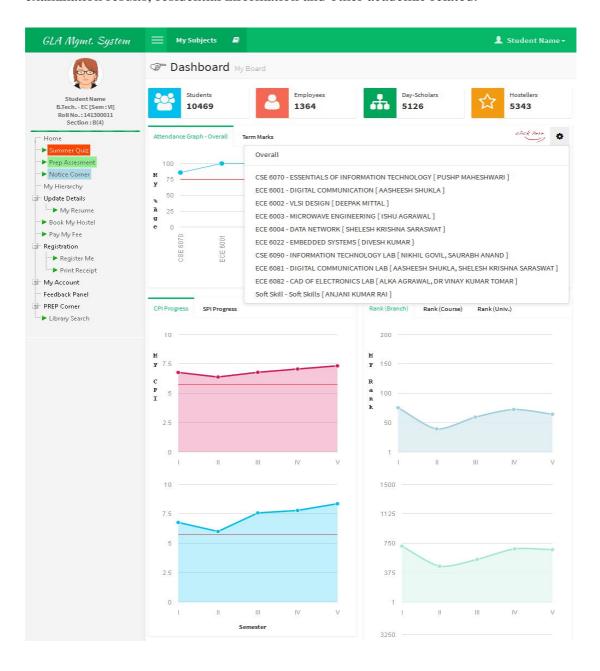


- Dynamic Fee Heads
- Fee Structure For
 - o Academic Year/Program Wise/Year Wise With multiple quota handling
 - Individual Student Fee Structure Allocation
- Fee Waiver/Scholarship, Fine Collection & approval for delaying payments
- Fee collection methods
 - o *Online*: Net Banking, Credit Card and Debit Card.
 - o Offline: Cash, Cheque, DD & ECS.
- Fee refund/settlement
- Payment List/ Dues List
- Automatic Email & SMS facility for dues and pending
- Various MIS/Customized reports

3.4 STUDENT ONLINE ACTIVITY PORTAL

Student information has never been so easy to manage. This interactive module work with the database of student information that is easily accessible and always available for qualified students. It ensures that all the information associated with students must be available to the student includes basic information including address, sibling names and grades, parents, and contact information.

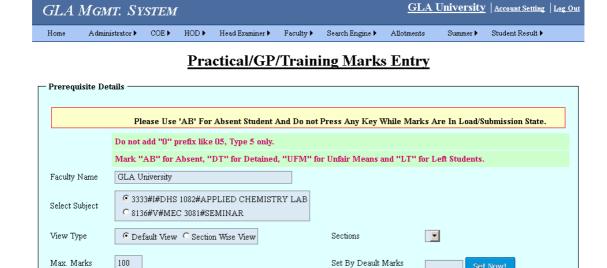
This portion of GLAMS ERP module creates a transparency between students and university activities. It provides various kind of associated information to the student such as their dues and payment, registration, attendance progress, term and final examination results, residential information and other academic related.



- Personal Information View/Edit
- Resume Building
- Various feedback activities
 - Academic Feedback
 - o University Feedback
 - Departmental Feedback
 - o PDP Feedback
 - Other feedback as per requirements
- Calendar, Event & Notices
- Fee Payments/Receipts
 - o Online: Net Banking, Credit Card and Debit Card.
 - o Offline: Cash, Cheque, DD & ECS.
- Training & Placement Activities
- Problem/Suggestions
- Session/Teaching Plan
- Academic Registration/Summer Exam Registration
- Hostel Booking & Management
- Student Profile
 - o Attendance Progress Report
 - Term Progress Report
 - o Final Result
 - o Library Issue/Pending
 - Classes Time Table
 - o Assignment Submission & Evaluated Report
 - Notes Viewer
 - Mess Payments/Consumption
 - o Disciplinary Actions

3.5 EXAMINATION MANAGEMENT SYSTEM

The Examination Management Module allows managing the stations and centre for conducting the examination. The paper checker and papers setters' information in kept secret. The degrees and result records are managed. The payments of supervisory staff are also managed here.



KEY FEATURES:

Session

FOR ADMINISTRATOR

2016-17

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- Interface to gather the Information relevant to any student, branch, course or subject associated with the university
- Interface for all kind of reports
- Interface for the marks management and association of tabulator, Head Examiners
- Monitoring of current status of marks entered / not entered only concerned subjects and programs listed
- Interface for all kind of administration task
- Various setting relevant with student promotions
- Tabulation sheets preparation and verification
- Extensive set of various features related with examination activity

FOR CONTROLLER OF EXAMINATIONS

- Insertion and Deletion of programs
- View marks entry status monitoring and following up the HODs, all after proper authentication
- After authentication processing of results: a select program, SPI or CPI and submit for processing
- Interface for generation of tabulation and result statements program wise and/or section wise and/or student wise
- Interface consists of drop-down for program selection. And SPI or CPI, print, undo and submit button. The undo button deletes the generated SPI or CPI for the entire program or for a particular student. It is required to rectify the errors detected after the verification of generated SPI/CPI
- When processing starts, all interface for entry of fresh marks, modifications or alteration is disabled, the interface is locked. The user may be permitted to view / print but editing of any kind is disallowed

FOR HEAD OF THE DEPARTMENTS

- Entry of subject teacher association for each program which is selected using drop down menu; only program relevant to the department to be shown in the drop down menu
- Monitoring of current status of marks entered / not entered only concerned subjects and programs listed
- Interface to rectify the marks previously locked by the Head Examiners which are needs to be changed
- Interface to view and remove the sensitivity from the mark statements of specific students and / or branch wise students

FOR HEAD EXAMINER

- Monitoring of current status of marks entered / not entered by the tabulators assign parallel for the subject listed
- Interface to monitor the violation in marks that were submitted by the tabulators. It highlights the violation between marks and must be removed to lock them finally
- Preview interface to alert the Head Examiner about the sensitivity of marks while going to lock the teacher assessment marks which must be removed to lock marks finally
- Automatic generated report interface to get print the locked marks after the proper authentication for the subject associated with Head Examiner

FOR TABULATOR

- Selection of program(s), term exam and subject(s), followed by appearance of Roll No and Name of the Student with the small blank window that is sufficient to enter two digit marks in the block of 50-50 students at a time. Pressing of enter key or 'next' button visible on the screen, say, after marks entry/modification. If marks are not entered and/or wrongly entered in the provided box for any student, its highlight the window and inform to remove this discrepancy
- In case marks has already been locked by the tabulator for the specific subject this process will automatically get rejected by the system and acknowledge the tabulator
- Interface to download the marks statements that are belong to the specific student and/or section and/or branch

FOR STUDENTS

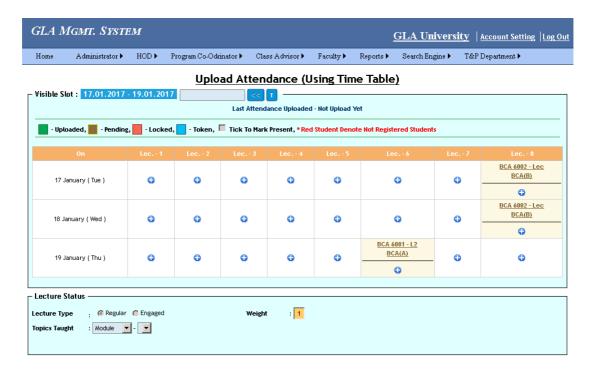
- Viewing of their personal information
- View and download their current marks and grade card up to the current semester

CUSTOMIZED REPORTS FOR MANAGEMENT

- Various Decision Making Reports for Management
- Tabulation Charts/Sheets
- Mark sheet Generation
- Course/Branch result progress.
- Faculty-wise Teaching progress Report.

3.6 FACULTY ACTIVITY ONLINE PORTAL

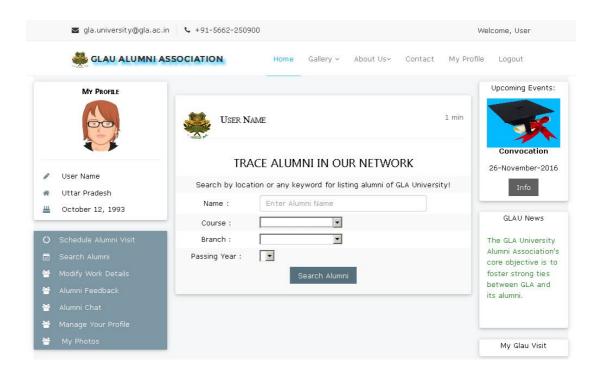
The Online Faculty Activities Portal utilizes the Digital Measures Activity Insight component to organize, track and report on faculty accomplishments. It provides the facility to manage all the activity related to academics i.e. Attendance uploading, Assignment evaluation, follow the lecture delivery plan etc.



- Online tracking of entire activities
- Student Attendance Management
- Time Table Management
- Efficient utility to manage notices, assignment & notes on Individual basis
- Customized set of Reports & Updates regarding ward
- Effective & Timely communication of through various activity panel
- Knowledge Interaction with other guardians
- Savings from phased-out legacy systems
- Streamlines Education Processes
- Automates Important Functions
- Big Savings in Person-hours as well as Increases Revenue

3.7 ALUMNI MANAGEMENT SYSTEM

Alumni are one of the important key stone of organization. Our alumni management module system provides the opportunity to build up a strong network with students, faculty and potential employers. It provides the online platform to connect the alumni with various methods.

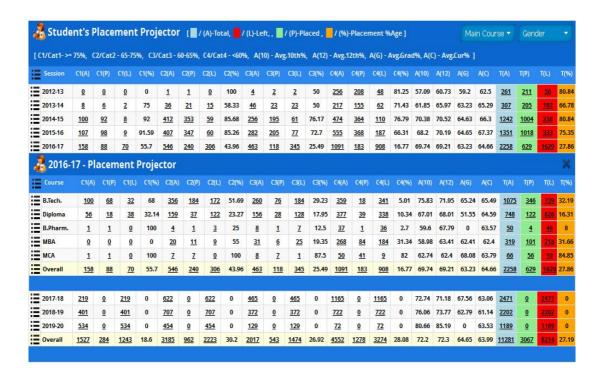


- Maintain the alumni Database-update his/her personal/work profile
- Mailing facility- University to Alumni, Alumni to Alumni and vice-versa
- Take the appointment before reaching the University to save the time
- News/ Event Forum
- Online Registration of Alumni
- Online chatting
- ALUMNI Locator
- Alumni give their valuable feedback.
- Admin analysis every activity of the ALUMNI
- Message and E-mail services for notifications

3.8 TRAINING AND PLACEMENT SYSTEM

Online Training and Placement System automates activities of training and placement cell provides opportunities to the student community to use collective intelligence to increase selection ratio and eases out process of creation of management information automatically. Authorizing and communicating about the various job openings to the student community, managing the corporate relationship for inviting them for the placements as well other activities, creating the placement metrics, monitoring the progress of the selection process and communicating with different users.

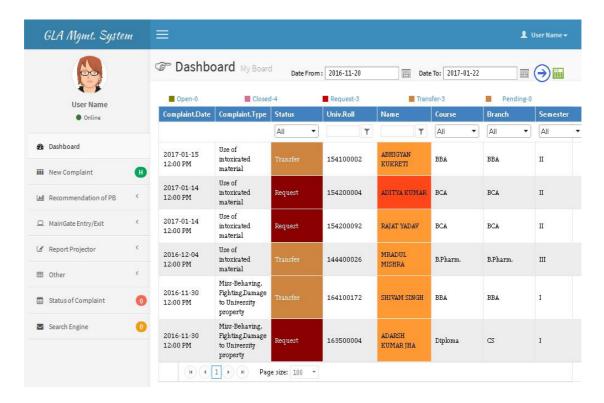
TPS system provides the module like Student (Current Student/ Alumni), Administrator (TPO/TnP Staff/ Departmental Staff), Company and Forum.



- Branch wise List of students for training
- Training Letter submission online
- Online collection of various placement activities
- Receipt/Certificate or evaluated marks by Industrial organization
- Maintain the recurring corporate addresses
- Selection Criteria check
- Various regress reporting services for managing the placement growth

3.9 DISCIPLINE/PROCTORIAL MANAGEMENT SYSTEM

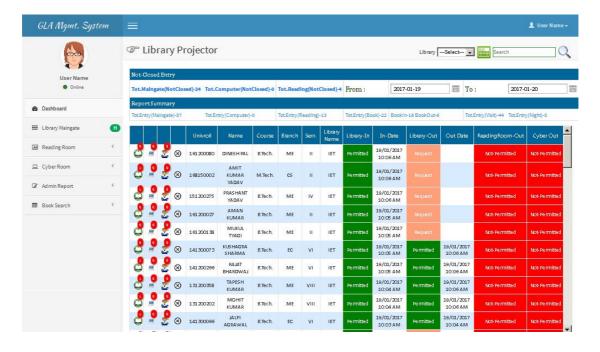
GLA University ERP comprises a Proctorial Management module simplifies the difficult and time-consuming task of tracking student behaviour and helps improve discipline by ensuring that students are held accountable for their actions. This keeps document and track disciplinary incidents, maintain related records, notify parents of infractions, and produce reports, notices, forms, and other documents. This module is idealized and packed with features that help you handle discipline-related tasks efficiently.



- Easily document disciplinary incidents with any amount of detailed information you need to record.
- View and enter discipline data on your from anywhere inside/outside the campus.
- Instantly access any student's complete disciplinary history when speaking with parents.
- Create customized reports containing multiple discipline incidents. Include statistical analysis of discipline data to track trends.
- Easily produce lists and tallies, such as students with excessive infractions, infraction and penalty lists, and detention attendance lists.

3.10 LIBRARY (KOHA) INTEGRATION

KOHA is the first free software library automation package. In use worldwide, its development is steered by a growing community of users collaborating to achieve their technology goals. GLAMS ERP has an integration facility with KOHA (Open Source) used for Library management. This module helps to integrate various information of patron as well as monitoring their live status through integrated communication model with KOHA. Library staff can recognize the books or other things happened at the gate with IN/OUT entries. Student or staff can visit the library through GLAMS account.



- Automatic account creation patron from GLAMS to KOHA
- Instant updates with live status
- Barcode scanner friendly
- Support multiple library branches.
- Library visit through user account without library visit
- ID card Integration with KOHA
- IN/OUT entries at each gate through we can analyze the area or interest of student
- Access from anywhere using any internet-enabled device
- Maintain the library records with many customized reports

3.11 HUMAN RESOURCE MANAGEMENT

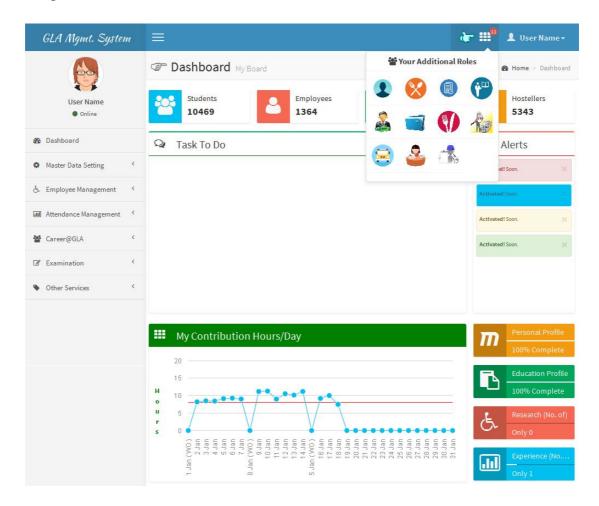
HR module covers entirely from "Hire" to "Retire" for the most important asset in

University – i.e. employees. This module will make it easy for your HR team to start managing your HR effectively and efficiently. It is an indispensable tool not just for HR but for the entire University. It facilitates all functions of the Human Resource Department that deals with recruitment, employees' management, payroll, performance, training etc. In fact, this can be used to simplify the daily tasks involved in the HR Department.

It acts as a bridge between human resource management and information technology. It allows enterprises to automate many aspects of



human resource management, with the dual benefits of reducing the workload of the HR department as well as increasing the efficiency of the department by standardizing HR processes.



KEY FEATURES

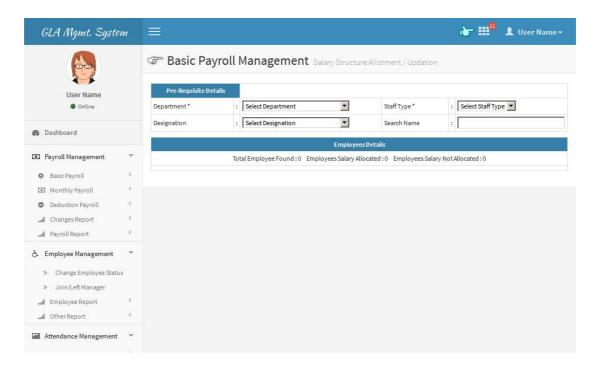
- Extremely User Friendly
- Feature Rich Social HR
- Employees Self Service
- Resume/Application through online/offline
- Short listing on behalf of Predefined Rules of University
- Formation of Interview Committee
- Design recruitment phase i.e. online test marks, Personal Interview and Demonstration
- Keep the record of each phase for later use
- Generate the Joining Letter
- Joining of Staff Member, Issue ID card, Register Biometric Data etc.
- Monitoring the shortage of attendance
- Integrated Leave control system
- Online Documents Management
- Automate the workflow of human resources management and provide 'single window' services to employees
- Employees Attendance / Biometrics
- Salary preparation
- Staff, Business Line Managers and Employees to manage their responsibilities effectively across all departments
- Provision for timely & reliable management information relating to human resources for effective decision making within an organization
- Enhance Information Exchange and Sharing
- Facilitate Planning and Training of Human Resources
- Effective Feedback on Training/ Knowledge Acquisition
- Extensive Report Generator

3.12 PAYROLL MANAGEMENT SYSTEM

The Payroll Management System deals with the financial aspects of employee's salary, allowances, deductions, gross pay, net pay etc. and generation of pay-slips for a

specific period. The outstanding benefit of Payroll Management System is its easy implementation. Other advantages of Payroll Management System are its extensive features and reports.

This is a comprehensive payroll module that maintains salary information and settings, taking inputs from various sources and produces 100% accurate payroll. It helps build employee morale & satisfaction & enhances the University's image and brand. This module produces extensive reports that satisfy internal and external requirements.



- Maintain Employee Record on the number of days/hours worked and the types
 of work done by employees during a payroll period, as well as the associated
 general ledger account distribution information for employee expense.
- Calculate gross pay for employees based upon the worked, if any. The gross pay for salaried employees is predefined for each payroll period in the Employee Master Record.
- Automatically calculate required federal and state payroll taxes, such as income-tax withholding, Medicare for both employees and employer and store the results in a Payroll Period Record for each pay period.
- Print payroll checks with stubs on preprinted forms showing current period and year-to-date earnings and deductions. These same multi-purpose check forms can be used by the Accounts Payable System. Pay checks can be printed for a single employee or for a specified group of employees.
- User defined Salary Heads
- Create your own Salary Structures

- Ready Bank Statement, Pay slip Generation
- Print payroll reports, such as employee Edit Report, working Hours Distribution Report and Payroll Register, to provide an audit trail of data entered into the system so that adequate audit control is maintained.
- Print generalized payroll reports with the capability to extract specific pay roll information from the online database.
- Print the Payroll Posting Report summarizing general ledger posting information by ledger account for either manual or automatic posting. Either the accrual or cash accounting method is supported.
- Define an Active-Flag to prohibit current online entry of an inactive employee yet keep that code for historical reporting purposes.
- Maintain vacation balance (hours available) per employee and automatically calculate vacation earned hours per payroll period based upon hours worked.

3.13 HOSTEL MANAGEMENT SYSTEM

Managing a hostel is a tedious task and GLAMS introduce its hostel management module and serve it as practical approach through helps the management to completely administer the boarding functionalities. It allows easily managing and controlling the various aspects such as hostel applications, registrations and admissions, allotment of rooms, blocks, fees, mess, complaints, request, correspondence and discipline.

KEY FEATURES

- Hostel management simplified
- Rooms and bed allocation made easy
- Complete Mess management
- Disciplinary log maintenance
- Setting up fees as per the facilities in the hostel
- Hostel and mess fee integrated with fees management module for automated fee calculation
- Provision for Hostel vacating / change management
- Final account details
- Biometric Attendance for Attendance as well as for Mess Bill/DPR
- Send the messages to their parents on any absences, Outing or Returning, or any activity.
- Online Leave Application and approval
- Grievance Regarding Civil, Electrical, Mess etc
- Mailing and messaging services on each event.
- Monitoring System for Hostel staff as well as for student
- Guest Monitoring
- Other Club Activity

3.14 TRANSPORT MANAGEMENT SYSTEM

Transport management system module facilitates interactions between user and transport section. It helps the transport section to manage/planning for the resources

management properly. Through this module, the user can easily book the vehicle online and transport section can provide the resource without any process delay.

KEY FEATURES

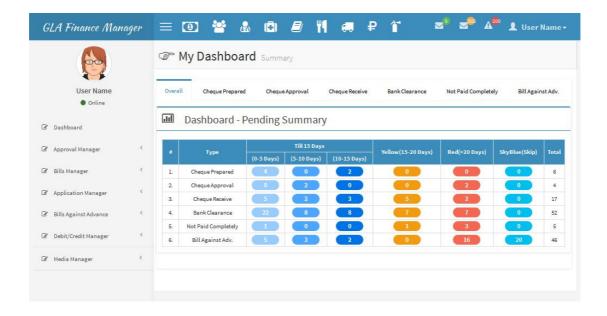
- Data Collection for vehicle online
- Maintain driver information
- View information about various registration and allotment in the system
- Maintain user permissions
- Agreement Papers, Driver Data Collection, Vendor Data Management, renewal of AMCs, GPRS tracking
- Generate Vehicle card like BAR CODE/RFID or MIFARE etc.
- Online Vehicle Booking
- Payments
- Maintenance
- Expenditure of Each Vehicle
- *IN/OUT entries of all vehicles*
- Various regressive customized analytical reports for managing resources

3.15 FINANCIAL MANAGEMENT SYSTEM

Deals with the complexities of financial accounting and its reporting, has everything as a University's Business Manager needs to operate efficiently, including sophisticated financial reporting.

Financial management module is used by to manage their accounting needs. This module accelerates financial close, provides strong expense management, offers streamlined and auditable revenue management and ensures complete real-time visibility into the financial performance of the University. This seamlessly integrates with all order management, inventory, and ecommerce functions to streamline critical business processes, such as quote-to-cash, enabling everyone to work from a single source of finance, sales and customer data.

Is helps to work with University's ledger & General ledger, Accounts receivable, Accounts payable, Bank reconciliation, Budget, Income & Expenditure A/C, day book, Bank/Cash payment, Cash receipt/Bank receipt, Journal voucher cum voucher printing, Trail balance, Modification of voucher, Facility to combine departments, Balance sheet & all general accounting features.



- Quickly gain a more complete and accurate picture of your business.
- Management of general accounting procedures
- Management of day to day Cash Flow
- Management of expense
- Manage the budget
- Various integrated services to check pending status
- Efficient management of time and work
- Online Approvals and Payments
- Advanced reporting
- Reduced the paperwork
- Data Integrity
- Keeping all payments and receivables transparent
- Amortizing prepaid expenses
- Depreciating assets according to accepted schedules
- Keeping track of liabilities
- Integrated email and messaging services to manage the financial services smoothly
- Coordinating income statements, expense statements, and balance sheets

Keeping all records up to date

3.16 STOCK/INVENTORY MANAGEMENT SYSTEM

Inventory module designed and published with GLAMS has tons of useful features: add inventory, take returns, record sales and damaged goods. Manage users via a tiered access model while you administer locations, physical areas/shelves, manufacturers and preferences. And get valuable information about inventory turnover through our reporting module. This part of GLAMS ERP manage the online inventory that won't limit the number of items, locations and users you need to run as well as keep all kind of tracking records from beginning till issuing of goods.

KEY FEATURES

- Keep an automatic, high-resolution "paper trail" of all your transactions and activities
- Enable future analysis with upstream and downstream genealogy, including very specific information about your inventory (e.g., lot and heat data)
- Track your tooling, gages and supply items, with check-in/check-out and scanning to record which tools produced which product and when
- Managing the purchase/issue parts in streamline manner without so much intervention of Human Resource
- Enjoy mistake-proof, real-time precision through fully integrated barcode printing and scanning
- Streamline your shipping and receiving with barcode scanning and automatically capture incremental information at each point of production
- Split and merge your inventory while maintaining accurate product genealogy and traceability — coil slitting, mixed supplier lots, heat and chemistry control, and more
- Know the truth about what you have in-house at any time from receipt to work-in-process to shipment
- Data Integrity
- Keeping all records up to date

3.17 HEALTH MANAGEMENT SYSTEM (AAROGYAM)

Aarogyam is especially designed and integrated module for GLAMS which works as an E-Clinic that deals with the day-to-day operations of a medical practice in University. Aarogyam module allows users to capture patient demographics,

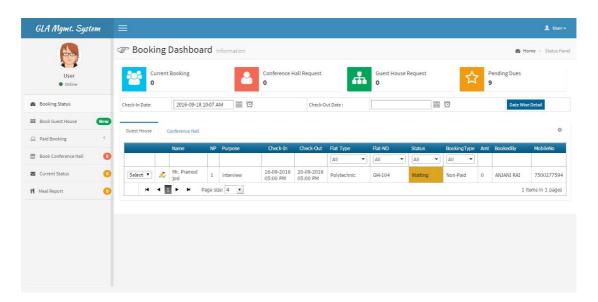
distinguish various categories of patients, schedule appointments, maintain lists of patient visited, perform prescription tasks, and generate reports. Aarogyam module is designed and totally customized for University and work on online 24*7 bases.



- Automated record mapping with GLAMS
- Easy to use and favorable designed work flow starting from visiting the Aarogyam till the prescription and consultancy.
- Customized panel for each and every used of Aarogyam.
- Aarogyam helps to organize and align patient data to the specific quality metrics you're held accountable for.
- Analyze data to identify and test the most effective means for engaging different types of patients.
- Provision for keeping medical history of patient
- Customized dashboards and analytics to track and manage various kinds of users, patients, and outcomes.
- Separate login of all kind of user line Doctor, Compounder, Nurse including Patients.
- Print prescription and patient visits history with auto-populated information
- Extensive reporting
- Keeping all records up to date

3.18 GUEST HOUSE MANAGEMENT SYSTEM

This module was added in the GLAMS in order to give an ease to the visitors, guest and variety of direct and indirect users of University to avail hassle free service of Guest House provided by the University 24 X 7. This module allows In/Out users to Book/Monitor the task related with the Guest House through easily accessible mode – anytime, anywhere without any installations.

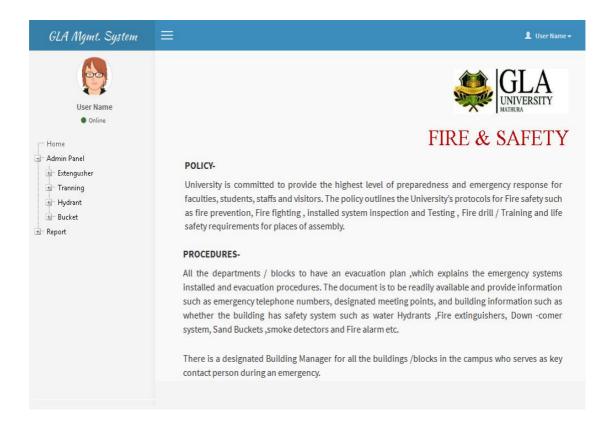


- Integrated with GLAMS
- Secure Online booking with hassle free service.
- Fast & friendly service for University staff
- Diary to manage bookings, easy to open and close dates/timings
- Easily manage and edit guest details, bookings and availability.
- Automatic updates across multiple booking channels.
- *Invoice to the users instantly and email it there and then.*
- Live monitoring of availability of rooms in various Guest House
- Direct bookings from your University account page.
- Email/Message notification of bookings/cancellations instantly.
- Customer reviews and their feedbacks during departure.
- Integrated services for catering department for meal & hospitality on every booking

• Lots and lots more, minimum stays, check-ins, cleaning reports, statements, customer export... much, much more...

3.19 FIRE & SAFETY MANAGEMENT SYSTEM

GLAMS takes each and every point into consideration and manage it accordingly. This fire & safety module of GLAMS is a secure, intuitive, online fire safety management portal that reviews, records and displays real-time fire safety management performance. It helps to manage fire safety and legislative compliance cost-effectively across single or multiple sites.



- Secure, user-friendly, online fire safety management system.
- Fully customized to meet specific reporting requirements
- Provides constantly updated, real-time, fire safety management information
- Can be used for single or multiple buildings
- Access your information 24/7

- Fire risk assessment and other documents can be uploaded in both electronic and hard copy formats
- Provides a demonstrable and visible audit trail with its user, time and date stamp feature
- Automatic Email & Messaging services assessment and training.
- Real-time compliance charts or graphs (by region, property or manager) can be produced from action reports.

3.20 SPORTS & EVENT MANAGEMENT SYSTEM

Running your league, club or association shouldn't be a full-time job. The Sports Management System (SMS) module is designed and integrated with GLAMS to accomplish the above mentioned objective by managing the activity of many sports at a time.

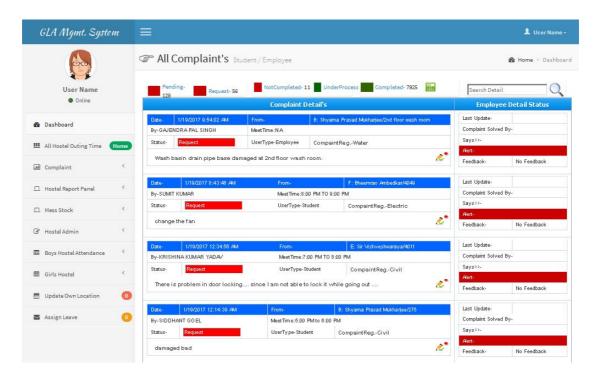
This is an easy to learn and user friendly module helps variety of sports activities like cricket, football, soccer, hockey, and all types of sports organizers automate their administrative work and manage their players. In other words, you'll spend a lot less time on the boring stuff so you can spend more time on the fun stuff.

- League Administration & Management
- Real-Time Team Building
- *Team Information & History*
- Assign Your Referees
- Control Registration Policies
- Manage Volunteers
- Scores & Standings
- Sports Equipments Issue / Return provisions
- Sports Stock maintenance
- Automatic Notifications
- Real-time reports for various activities can be produced from action reports.

3.21 GRIEVANCE MANAGEMENT SYSTEM

Grievance Management module is an integrated platform to enable University to track and resolve employee/student/staff grievances effectively. The solution provides a single unified Case Management based solution that aids in the recording, tracking and investigation of incidents throughout the University.

It supports various areas such as investigations, arbitrations, grievances, litigation, appeals and ethics. By leveraging GLAMS management platform and powerful content management capabilities, University can efficiently handle unpredictable and complex grievance cases with transparency and controls.



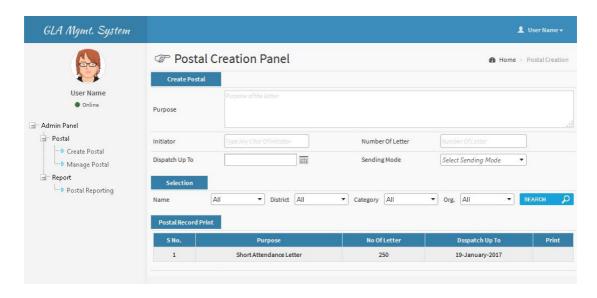
- *Easy to learn and lodge complain procedure.*
- Pre-customized solution accelerator built on Case Management Framework
- Underlying core rule engine based on policies and procedures
- Seamless intake of grievances from multiple sources through customized forms
- Schedule Interviews, appointments and capture meeting minutes
- Rule based triage of Employee/Student/Staff Grievances
- Track your complaint on Real-Time Basis.
- Review History and case pattern analytics for better decision making
- Mobility support

- Status of complaint through mail and message
- Summary Report of grievances according to session

3.22 POSTAL MANAGEMENT SYSTEM

Postal Management module makes the management and operational procedures easy in postal section of University. With this system, details such as post, money order, subscriber, sales, bills, etc. can be easily managed and controlled via the automated procedures.

Through Username/password controlled module, portal users will be able to access their data and make changes to mail delivery and sending. They will also be able to print their own stamps, pay bills and use marketing and logistics services.



- Generate address bank.
- Initiate postal by sender
- Manage postal center budgeting and processing from one central location.
- Consolidate data from multiple systems and make it actionable information.
- Collect, track and manage postal expenses for your entire University
- Prepay and get postage credits.
- Review History for better decision making
- Summary/Status monitoring of different activities

4 TECHNOLOGY USED

- Front End: MVC, .net with C#, Angular, JAVA Script, JQUERY, CSS, JSON, WEBAPI HTML
- Back End: MYSQL