Integrated Education Management System

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Overview of Today’s Educational System  (Demand for the future)

- Education is unarguably the key to a healthy economy for every country
- Students must learn much more and systematically to succeed
- Faculty must stay closely connected with the students & the parents
- Growing number of students means more tasks with limited resources
- Need for adopting ICT and smart education process management tools inevitable to increase efficiency and quality of education
The Integrated Education Management System

@CAMPUS integrates different stakeholders of an education institution using technology such as web portal, internal email system, blogs and SMS to provide information they are eligible to, at the right time there by helping to have a better quality of education.
Advantages of @CAMPUS

Centrally Monitor Institutions across the country/globe

@CAMPUS Education Management System leverages the power of the latest internet technologies to remotely monitor and centrally manage any number of education facilities across the country including those in rural areas which may not have internet connectivity all the time.
Advantages of @CAMPUS

Central and Local Information Database

- Local and central database of @CAMPUS system can function independently even when there is interrupted internet connection.
- Daily transactions like fee collections, issuing receipts etc., can be done even when internet is temporarily down.
- Selective data alone will be automatically synchronized to the central server in a secure manner as and when the connection is established.
- The management and authorities can access the important MIS reports securely from anywhere at anytime through the internet to take important decisions.
Advantages of @CAMPUS

Secure Data from Unauthorized Access

- Maintain and secure the important information in @CAMPUS servers and database at your own premises or in the cloud
- Only general publishing information will be synchronized and uploaded to the central web servers
- Password protected and Role based access control for every user
- Secure data transfer with digital certificate based server authentication (Optional)
- Data encryption can be provided for protection against misuse by unauthorized access
Advantages of @CAMPUS

Multi-Step Registration Process

@CAMPUS has multi-step student registration process with online approval system connected to different departments. Scanned or digital proof documents and photos can also be stored in the registration and student’s profile database.

Exhaustive Student’s Profile Database

@CAMPUS captures over 150 pieces of information related to the student personal data, past performance, health data, guardian, & parent information (including student blacklisting*) making it the most comprehensive student profile database for effective student management.

* Feature under development
Advantages of @CAMPUS

Highly Flexible Fee Module

@CAMPUS has a fee management module which can be configured for collecting the fees of different types of institutions and the management can configure and get a variety of reports related to the fees. Fee installments, Fine/Penalty, Discounts etc also can be configured depending on the policy of the institution.
Advantages of @CAMPUS

Letter Issuing Module

• Track and record official letters issued to students and staffs
• Create and format a variety of letter templates for different purposes and issue letters in just a few keystrokes
• Insert logos of school or Ministry and also predefined tables/templates in letters by a click of a button
• Automatically fill in the variables like addressee, date and name in the template and automatically generate letters that are ready to sign
• Generate copies of previously issued letters
Advantages of @CAMPUS

Holistic Student Performance Evaluation

@CAMPUS captures students’ performance parameter inputs from the faculty in areas such as attendance, assignments, examinations, extra-curricular activities, reading skills, writing skills, speaking skills, attitude, etc., which can be graphically represented.
Advantages of @CAMPUS

Technology Highlights

- Field configurable forms and reports
- In-house developed, robust and scalable database sync-up technology
- Web-based server side technologies - Java/PHP
- OS/hardware platform independent – Unix/Win
- Database independent - Oracle or MySQL
- Secure communication protocol - SSL/HTTPS
- Role-based access control for enhanced security
- Flexible & customizable design
Usability Features

- **Separate home page for each user**
  The login page or homepage for each user will have easy access to information and actions depending on his role. For example, a principal will have access to the dashboard about the number of staffs/students absent for the day, the appointments, approvals to be done, important messages, etc.

- **Quick link / bookmarking feature**
  For frequently used links, the user can bookmark it to access directly from the top menu instead of navigating through multiple menus and submenus, thus reducing the repetitive navigation time, and also enhances the user-friendliness of the product.

- **User configurable reports**
  Depending on the configuration of the fields in the form, various combinations of the reports can be generated by the user depending on their need without the need to depend on the support team or the development team.
Usability Features- Continued

- **Intuitive installer for Windows and Linux**
  It is Installable as a package including the web servers and database server with auto-run capability on Windows and Linux platforms with the help of XAMPP/LAMPP packages.

- **Multiple browser compatibility**
  The product is run as a web-based application and does not need a local client to be installed. It is compatible with the popular browsers like Firefox, IE and Chrome.

- **Online help**
  The product has online help which will guide to use the product better. It will help search facility to get help on a particular topic.

- **Customer selectable front-end color theme**
  The color of the front-end interface is selectable by customers as per his choice.
How we achieve Reliability

• **Standard software engineering practices used**
  Industry standard practices used for the software development process to make sure that the bugs are minimal and the product is of high quality.
  Design reviewed by experts.

• **Separate testing team**
  Separate testing team for independent testing of the product for more reliability.

• **Bug tracking tool**
  Uses separate bug tracking tool to make sure that the bugs are tracked and fixed before releasing the product as well as post release products.
Scalability & Performance

• **Scalable architecture**
  Web based technology used to be scalable for multi-user application.

• **Database performance**
  The database design is optimized from the very beginning using different techniques like normalization, views, stored procedures, indexing, etc., to be faster and scalable.
  The database tuning guidelines will be used to improve the runtime performance of the database server.

• **Web server performance**
  Apache web server performance tuning guidelines used to increase the performance of the ERP while deploying in large environments.
Product Supportability

• **Configurable fields for the data input forms**
  The data fields in the forms like staff admission, student admission, etc., can be configured at the customer site by the support engineer without the need for any code changes. The data validation and making a data field mandatory or not also can be configured. The field can be arranged in different tabs and the position in the tab can be edited. This will make it a truly flexible product also save a lot of engineering effort.

• **Easily expandable modular architecture**
  Common services encapsulated as a core module to reduce coding efforts for additional modules. Standardized architectural design helps to build additional functionality module with minimal efforts.

• **Coding standards & development framework**
  The software is developed with coding standards and good commenting to make it better supportable product.
Integrated Education Management System

**Management**
- Access data related to overall school performance, financials, admissions, student count, staff count, staff performance, etc.

**General Public**
- Access school website to know more about school, news, events, and send query to school administrator.

**Parents**
- Login to the school website to get information about their ward’s performance, attendance, school news, events, reminders, etc.

**Students**
- Access website to view info about syllabus, performance, assignments, time table, news, and events, etc.

**Faculties**
- Create assignments to students, set time table, etc.
- Departments can assign work to staff, manage and track day-to-day activities.

**Web server synchronizes with local server and stores required information.**

**Institution Management**
- Institution Local Server / Database

**Institution Admin & Users**
- Web Server / Centralised Database

**HOW @CAMPUS WORKS**

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Major Categories of Management

General Administration

Staff Management

Parent Management

Student Management
General Administration Tools

- Management Dashboard
- Fee Management
- Accounts Module
- Purchase Management
- Inventory Management
- Assets Management
- Key Management
- Letter Issuing Module
General Administration Tools (Continued...)
Management Dashboard

@CAMPUS graphical dashboard will provide the management a snap-shot of the overall functioning of the educational institution or a group of educational institutions under the same management. The dashboard has useful information related to financials, admissions, student count, staff count and several customizable information.
General Administration Tools

Fee Collection Management

- Configure fee types, frequency, late fee, concession, scholarship, installments, etc.
- Generate individual student level fee-card
- Track cheque bounces
- Generate a variety or combination of reports related to fee payment, late fees, discounts, check bounces, special fee, etc.
- Generate payment related reminders and alerts and a daily, weekly, monthly, quarterly, to groups or individuals
- Customized online payment forms can be created for authorized banks to collect fees on behalf of school
- Get real time updates of fee collected related status
General Administration Tools

Accounts Module

- Create ledgers, income/expense categories, maintain receipts and payments under different heads
- Real-time information about income and expenses
- Bank statement tallying facility
- Vouchers & receipts can be generated for each transaction for accounting purpose
- Generate income and expense statements and balance sheets and cross-module integration
General Administration Tools

Purchase Management

- Raise online purchase indent (PI)
- Online purchase indent approval, rejection, and/or request for further clarification
- Get real-time status on purchase indents
- Create and manage vendors list and send RFPs online to the registered vendors
- Compare vendor quotes online and raise PO
- Send PO online and track until all the items are delivered and PO is closed
- Archive and retrieve PI, PO, RFP and quotes
General Administration Tools

Inventory Management

- Trace any incoming inventory item to the PO
- Manage warehouse entry dates and expiry dates of goods
- Manage stocks, minimum stock, and reserved stock quantities of goods
- Graphical indicator for stock depletion with automated alerts for procurement
- Search stock using variety of parameters
- Trace return of items purchased or issue returns
General Administration Tools

Asset Management

- Easily manage capital items or assets in the organization
- Automated unique ID generation for assets which can be tagged on arrival at the stores
- Manage allocation, renewals, and returns of assets from individuals and groups
- Track asset lifecycle history like cost and date of purchase, who requested the purchase, warranty period, AMC details, current depreciation value, etc.
- Maintain scrap and sold assets records
- Photograph assets and trace asset location easily
General Administration Tools

Key Management

- Record and track allocation of keys to designated personnel
- Automated alert notification to personnel if keys not returned after a stipulated expiry date/time
- Upload images of cabinets, rooms etc. with locks and easily trace back the keys to locks and location
General Administration Tools

Letter Issuing Module

- Track and record issuing of official letters issued to students and staffs
- Create and format a variety of letter templates for different purposes and issue letters in just a few keystrokes
- Insert logos of school and predefined tables in letters by a click of a button
- Simply fill in details like name, addressee, date reference number, etc., in the template and automatically generate letters that are ready to sign
- Generate copies of previously issued letters
General Administration Tools

Books & Stationery

- Keep track of issuing of the text books, note books and other stationery material for each student/staff
- This module integrates with the inventory module and updates stocks
General Administration Tools

Events Calendar

- Easily create calendars
- Create events and share them with different stakeholders
- Generate alert notification for events
- Automatic publishing of events to individuals and groups
General Administration Tools

Transport Management

- Maintain database of transportation vehicles details like registration number, driver name, and get email alert notification on tax due date, insurance due date, etc.
- Devise vehicle routes and allocate students
- Readily print out route sheets with all details like driver name, vehicle number, students name, route name, bus stop details, etc.
- Manage spare capacity efficiently
- Transport module is integrated with fee module for alert notification
- SMS Alert on date for insurance/tax
- Options for integration with GPS tracking
General Administration Tools

Library Management

- Manage end-to-end operations of library of any size
- Powerful book search feature using various attributes provide instant search results
- Check-in and check-out the books
- Manage and track list of books in stock and in circulation
- Manage and track un-returned books
- Automatic generation of late fee on books returned after due date with fee card
- Alert notifications to students / faculties on book renewals and expiry of book return date

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General Administration Tools

Service Desk

- Staff can place requests for services from different admin departments
- Assign task to resources
- Track service status
- Get detailed report of each staff and the service item entrusted and performance
- Improve resource utilization and efficiency of staff
General Administration Tools

Canteen Management

- Track issuing of stocks for each canteen
- Track sales and performance of multiple canteens
- Manage purchases for canteens centrally
- Reduce wastages, control cost, and manage inventories by effective inventory control across the canteens
General Administration Tools

Maintenance Management

- Helps to better maintain the capital items or assets in the organization
- Send online request for maintenance of items
- Assign task to a resource
- Track the work and get the report of maintenance of the canteen item
- View maintenance history of the items by a click of a button
General Administration Tools

Hostel Management Module

- Registration of students to hostel, hostel fee collection, mess fee collection
- Hostel rooms allocation, utilization report
- Attendance or Leave information of hostel inmates, information about the authorized people who can take the students out
Staff Management Tools

- Staff Profile
- Staff Attendance Records
- Staff Performance Tracking
- Staff Leave Management
- Staff Payroll Module
Staff Management Tools

Staff Profile

- Search and Retrieve the complete profile of a staff instantly with all details
- Staff profile with exhaustive number of fields to include past job history, academics, health, photograph, remunerations, etc.
- The staff performance data integrated with the staff profile helps in performance evaluation
Staff Management Tools

Staff Attendance Record

- Track attendance records of each staff for any given period of time, including the percentage
- Integrate with biometrics or RFID cards to capture sign-in and sign-out details
- Define a low-attendance threshold limit and send automated notification if low-attendance crosses threshold limit
Staff Management Tools

Staff Performance Tracking

- Define and store staff’s roles and responsibilities, performance objectives and goals
- Staff can plan own sub-goals for a period and track it
- Provision to update the results against the goals by the immediate supervisor
- Provision to enter the performance ratings of each staff to help effective decision making on promotions, demotions and compensations
Staff Management Tools

Staff Leaves Management

- Set the leave limits and holidays for the individual staffs and for groups
- Staff can apply for leave online
- Leaves can be approved or rejected online
- Track of leave taken and balance available for individual staff
- Highly flexible design to take care of leave rules on different nations
Staff Management Tools

Staff Payroll Module

- Plan salary for staff, automatically generate pay slip which includes salary components and other deductions
- Information available as MIS reports for the different salary and other components
- Generate reports for PF, gratuity, pension, professional tax instantly and generate form-16 instantly
- Integrated with the leave management system to take care of loss-of-pay leaves
Student Management Tools

- Student Profile
- Student Attendance
- Student Performance
- Rank Reports
- Exam Time-Table
- Class Time-Table
- Blogging & Forums
- SMS & Events
- Messaging System
- Syllabus Module
- Question Bank
- Assignments Module

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Student Management Tools

Student Profile Module

- Search and Retrieve the complete profile of a student instantly with all details
- Comprehensive and exhaustive coverage of student profile with over 150+ data items
- Profile include but not limited to previous history, demographic details, family details, academic details, health details, photograph, fee details etc.
- Secure role based online access to sensitive and confidential information
Student Management Tools

Student Attendance Module

- Track attendance records of each student for any given period of time
- Find attendance statistics about a class. Information can be available for the principal, students, teachers and parents.
- Automatic SMS is set to send to the parents on student not attending the class.
- Easily integrate with any access card or bio-metric based attendance system and capture the attendance
Student Management Tools

Student Performance Tracking Module

- Capture and record all the different performance parameters of a student as per CCE Card (CBSE) which includes the academic performance, arts, sports, games, cultural, life skills, attitudes, values, etc.
- Management can track measures taken by staff to improve low performing students
- Parent can view student’s performance as and when performance details are updated by staff
Student Management Tools

Mark List & Rank Reports

- Create class tests or term exams and enter the subjects and the marks for each student
- View mark list for each student for all the subjects of an examination
- Compare marks/grade of all students in a class for a given subject
- Predefine grades with mark and automatically generate grades in the click of a button
Student Management Tools

Exam Time-Table

- Create exam timetable for each class and publish it to all stakeholders
- Provision to generate automatic roll numbers and seating arrangement of students
- Automatically detects any overlaps of schedules in time table
- Save time and generate flawless time table schedules
Student Management Tools

Class Time-Table

- Automatically generate class timetable with the help of a Wizard for each class
- Automatically checks and prevents faculty scheduling overlaps and takes into consideration different constraints of the staff
- Does load balancing to make sure that no faculty is overloaded or under-utilized
- Save time and generate flawless time table schedules
- Considers staff substitution in case a staff is on leave
Student Management Tools

Blogging & Forums

- Creating blogs and forums
- Create blog/forum topic and allow users to post messages, comments and opinions
- Helps strengthen student-teacher interaction and relationship
- Helps exchange of knowledge among students
Student Management Tools

SMS Alerts on Events & Reminders

- Automatically send SMS on important events like absence, fees due, event reminder, etc.
- Encourages on-time corrective measures by parents by keeping them intimated in real-time about any disciplinary issues related to student
- Improve fee collection by sending reminder to parents
Student Management Tools

Internal Messaging System

- Send internal email messages to individuals and select groups of students or staff
- Internal email messaging system with no need for separate email IDs for students or staff
- When users log into the system, they are shown any new internal messages sent by either colleague or by management or as reminders to the tasks they need to do
- No need to have third party exchange servers. No need to buy mail box and storage capacities
- Since corporate email IDs are not required for internal messaging system, there is no spamming by external entities on your mailing system
Student Management Tools

Syllabus Module

- Provision to create and post syllabus online for any class
- Syllabus can be viewed online by all stakeholders for reference
- The reference link to the syllabus can be given against the syllabus
- Provision to view the progress of syllabus on parent login website
Student Management Tools

Question Bank Module

- Create and publish question banks for each class and subject and make it readily available for the staff to create test papers
- The test papers can be set instantly from a big database of questions
- Improve quality of test paper models
- Can instantly create effective question paper models and save time
Student Management Tools

Assignments Module

- Teachers can plan and create assignments for students
- Management can plan and create assignments for teachers
- Teachers can get reports of assignments from students
- Management can get reports of assignments from teachers
- Assignments can be mapped to various classes and sections
Parent Management Tools

- Parent Login Module
- Parent Enquiry Management
- Group SMS
- Group e-Mail
Parent Management Tools

Parent Login Access

- 24x7 secure access login for parents to view information about their children’s fee card, attendance, performance alerts, reminders, school news, events
- Parents can submit suggestions online about the institution or student from the website
- Easily integrate your existing institution website with @CAMPUS Education Management System
Parent Management Tools

Parent Enquiry Management

- The Parents can submit enquiries about the institution from the website
- The parent enquiry data be used for further follow-ups
- The marketing or frontend office staff can use this module to track the various enquiries
- Helps management to track the performance of the marketing team using this module
Parent Management Tools

Group SMS Module

- Send bulk SMS to all the parents or staff or a group on important events
- Send SMS alerts on fees due, marked absent, school closing for vacation, sports day, etc.
- Provision for sending bulk SMS to prospective Parents database about the starting of school's admission as advertisements
Parent Management Tools

Group Email Module

- Provision to send personalized e-mails to all the parents, Students or staff or a group of them on important events
- Can send email message with important information like institution closing for vacation, sports day, parent-teacher meeting, etc.
- Provision for sending bulk emails to prospective Parents' database about the starting of institution’s admission as advertisements (conditions apply)
Support Features

- Free training to the staff
- Help desk for support by phone/ email/ chat
- Remote login (over the Internet) for support anytime
- Free installation/setup /migration support
- Free website administration
About Azure IT Solutions

Azure IT Solutions is a technology-driven company delivering end-to-end IT solutions of world class quality for Education and Healthcare domains.

Our flagship product branded as @CAMPUS is a world-class Education Management System which is conceptualized and iteratively developed after studying the numerous challenges faced by the education industry globally.
Our Key Strengths

- Leadership team having extensive experience in education field (>30 years) and in design and development of scalable IT-based systems
- State-of-the-art software development facility in Bangalore, the silicon valley of India
- World class tools and processes used for software development to create best of quality products
Integrated Education Management System

For Product Demo & Enquiries

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