



Inmegh-CMS

17.07.2017

Digamber Singh

Exalogic Solutions Pvt. Ltd

#21,2nd floor, First Futuristic Group,

1st Main Road, behind CBI office

Ganga Nagar Layout

Bangalore 560032

Overview

Inmegh-CMS is a college based web application, the application has five logins - Super-admin, Branch-admin, Employee, Student and HOD logins. The whole application is divided into many modules and each module has various features like- Attendance, Timetable (Auto - Manual), Teacher substitution, Setup, Registration, Transportation, Online Fees Portal etc.

Goals

1. To provide bug free software for the various colleges and Institutions for educational purposes.
2. To ensure the quality and software meets its requirements in all aspects.

Specifications


Inmegh-CMS is divided into various logins and each login is having specific modules and access authorization based on which distinguish functionalities has been provided as :

Active Logins

1. Admin.
2. HOD.
3. Employee.
4. Student.
5. Librarian.
6. Placement Coordinator.
7. Chairman.
8. Warden.
9. Principle.
10. Parent.

Super-Admin Login (Full Authorization)

1. Dashboard.
2. Quote Of The Day.
3. Setup.
4. Admissions.
5. Human Resource.

- 
6. Grievances.
 7. Management.
 8. Online Users.
 9. SMS & Email Groups.
 10. SMS Details.

HOD Login (Branch Authorization)

1. Dashboard.
2. Quote Of The Day.
3. Setup.
4. Admissions.
5. Human Resource.
6. Grievances.
7. Management.
8. Gate Pass.
9. Permission.
10. Online Users.
11. SMS & Email Groups.
12. SMS Details.
13. Resignation.

Employee Login (Partial Authorization)

1. Dashboard.
2. Academic.
3. Extracurriculars.
4. Grievances.
5. Hospital.
6. Leave Application.
7. Gate Pass.
8. Permission.
9. Placement Trainings.
10. Library.
11. SMS.
12. Resignation.

Student Login (Low Authorization)

1. Dashboard.
2. Academic.
3. Extracurriculars.

4. Fees.
5. General Information.
6. Grievances.
7. Hospital.
8. Leave Application.
9. Gate Pass.
10. Library.
11. Placements.
12. Placement Trainings.
13. Scholarship.

Librarian Login (Modular Authorization)

1. Dashboard.
2. General Info.
3. Library.
4. Defaulters List.
5. Events.
6. Complaints.
7. Resignation.

Placement-Coordinator (Modular Authorization)

1. Dashboard.
2. Quote Of The Day.
3. Students.
4. Placement.
5. Training.

Chairman (Modular Authorization)

1. Dashboard.
2. Academic Info.
3. Course Details.
4. Data.
5. Fees.
6. Grievances.
7. Management.
8. Online Users.

Warden Login (Modular Authorization)

1. Dashboard.
2. Hostel.
3. Grievances.

Module-Wise Specifications

Super-Admin Login

Super-Admin is having full access authorization for all the modules as each module is having distinguish functionality as described below :

Dashboard

Dashboard is the home page of college application. Which consists showable daily frequently changing information like :

1. **Institution Drop-down** - User can select different institutions for viewing/editing of information.
2. **Email Icon Button** - Used for sending/receiving emails within the application portal.
3. **Todo Icon Button** :
 - Used to create Todo list for user's own use.
 - User can create, delete, view and change status of the todo task assigned.
 - The todo task is assigned based on priorities (i.e; high, low, med).
 - A popup will be shown as soon as todo task reaches its reminder date and reminder time.
4. **Admin Profile Button** :
 - User can change his/her current password.
 - User can edit and upload his profile picture.
 - User can view, edit, create and create "Day Order" for every particular Institution.
5. **Complaints Count.**
6. **Deactivated Users Count.**
7. **Upcoming Drive Count.**
8. **Disciplinary Actions Count.**
9. **Notice Board** - Is the only Creatable Functionality from dashboard.
10. **Fee Transactions For Academic Year.**

11. Student Previous Month Attendance Report.
12. Toppers List.
13. Upcoming Events.
14. Employee Previous Month Attendance Report.
15. Department-Wise Students.
16. Monthly Holidays.
17. Currently Logged-In Users.
18. News.

Quote Of The Day

1. In this module user can create his/her own quotes manually.
2. The quotes shown on the dashboard are random.
3. User can Edit/Delete Quotes.

Setup

Setup is the most important and basic building block for defining user interface between the system and the application. Setup defines how application is to be structured based on specific college requirements. Setup consists of three major functional modules :

1. **College** - To set-up college/university basic informations.
2. **Academic** - To set-up college/university academic informations.
3. **Extracurricular** - To set-up college/university extracurricular informations.

College

College module is the first basic college setup module. It consists of 12 modules like:

1. Institutions :

- User can create various Institutions/Branch depending upon their requirements.
- User can View, Edit and Create "Day Order" for every particular Institution.
- User can select Day Order and the corresponding date.
- If Day Order is selected for any particular date then in faculty and student logins the selected Day Order timetable will be displayed on dashboard.

2. Class Room - For setting-up classrooms. This sub-module consists of two more sub-modules :

(a) **Create** - To create rooms.

(b) **View** - To view the already created rooms.

3. Complaint Parameter :

- To create complaint parameters like: Indiscipline etc.
- Visible to Employee, HOD, Student, Branch-Admin (i.e; can create), Librarian and Chairman(i.e; can view only).

4. Program Details :

- User can create details about the college courses/programs like: MCA (years, duration, semesters) etc.
- User can check for program seats availability.

5. Feedback Parameter :

- Admin and Branch-admin can create feedback parameters based on Type as Student and Employee.
- Employee, HOD and Student can give feedbacks to each other under grievances module.
- Chairman can only view feedbacks given by students and employees.

6. Add Violation Type :

- User can create/edit Violation Type.
- These violation type are used in disciplinary action module while creating disciplinary action.

7. Entrance Exams :

- User can create/edit Entrance Exams.
- These Entrance Exams are used in Student Online Registration form while registering for new student admissions.

8. Form Validations - To select/make specific fields for the mandatory options based on models eg. Student Registration Page. This sub-module consists of two more sub-modules :

(a) **Add Validation** - From drop-down user can select validation model and enable the fields for validations.

(b) **View** - User can Edit i.e; enable/disable the validations.

9. Employee Working Days.

10. Emp Grades :

- User cannot create it.
- Created from backend.
- Used in Faculty Registrations under Human Resources.

11. Holiday :

- User can create/edit holiday.
- Holiday can be single/multi-day.
- Once the day was marked holiday attendance cannot be marked for that day.

12. Modules :

- User can activate/deactivate certain set for predefined modules.
- Once the module is activated it is visible in sidebar under its specific utilization.

Academic

In Academic module we will setup the information regarding college academic details like: subjects, semesters etc. It consists of 15 modules like :

1. Branch - User can create/edit various branches based on their institutions. Eg : B.Tech under SRM-Vadapalani institution.

2. Batch - For setting-up branch batches like : MCA (2017-2020). This sub-module consists of two more sub-modules :

(a) **Create** - To create batch.

(b) **View** - To view the already created batches.

3. Groups :

- For setting-up groups according to batches and their corresponding sections. Eg : MCA (2017-2020) , Sec-A, Capacity -60 can be divided into Group-1(20), Group-2(20), Group-3(20).
- These created groups are selectable while creating timetable for practical subjects.
- This sub-module consists of three more sub-modules :

(a) **Create** - To create group.

(b) View - To view/edit the already created groups.

(c) Assign - To assign groups for selected students.

4. Semester :

- For setting-up semester according to batches and their time duration. Eg : MCA (2017-2020) , Sem-1, duration -6 months, start-date, end-date.
- User can also enable first/end semester for the semester that is being created.
- This sub-module consists of four more sub-modules :

(a) Create - To create semester.

(b) View - To view/edit the already created semesters.

(c) Set Current Semester - To assign current semester for particular batch.

(d) Promotions

5. Subjects :

- For setting-up subjects according to branches, batches and semesters. Eg : MCA (2017-2020) , Sem-1, Subject Name.
- User can also give internal and external marks split-up, subject credits and practical enable/disable option.
- This sub-module consists of 3 more sub-modules :

(a) Create - To create subject.

(b) Load Prev Subjects - To load one batch previous subjects to another batch subjects for the same course branch.

(c) View - To view/edit already created subjects.

6. Elective Group & Subjects :

- For setting-up elective groups which contains various elective subjects and assigning these group subjects to particular list of students.
- Only one subject per elective group can be assigned to the student.
- This sub-module consists of 3 more sub-modules :

(a) Elective Groups - User can create and view elective groups depending upon branch, batch, semester, elective group name. Consists of two sub-modules :



(1) Group - To create elective groups.

(2) View - To view/edit/delete elective groups.

(b) Elective Subjects - User can create and view elective subjects depending upon branch, batch, semester, elective group name. Consists of three sub-modules :

(1) Subject - To create elective subjects.

(2) View - To view/edit/delete elective subjects.

(3) Load Prev Electives - To load one batch previous elective subjects to another batch elective subjects for the same course branch.

(c) Assign Electives - To assign elective subjects depending upon branch, batch, section and elective group to the selected students. Consists of two sub-modules :

(1) Assign Subject - To assign elective subjects.

(2) View - To view/edit/delete assigned elective subjects.