

GNDEC - ERP SYSTEM

Guru Nanak Dev Engineer College

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Objective

- Student Basic Information
- Examinations
- Marks (Sessional, Internal & External)
- Attendance Management
- Notifications(SMS, Emails)
- Academic Record

Continue...

- Assignment
- Assign Subjects
- Generate Reports
- Training and Placement Record
- Admin Management
- Group Management

Introduction

GNDEC ERP System will provide an effective, centralized way of resource planning in the college. It will provide a centralized way to keep the records of all the employee, students and other information of the Guru Nanak Dev Engineering college.



Software Requirements :

- Web Development Server which includes Apache, MySQL, PHP, JavaScript, JQuery and Ajax.
- Linux Server (Ubuntu, Debian, Redhat) .
- Web Browser.

Hardware Requirements

- Intel i386 or Higher processor
- 256 MB RAM to run the Linux Server.
- Server with Network Connectivity.

Modules

- Admin Module
- Teacher Module
- Student Module
- TnP Module

Function of Admin Module

- Get information about particular student. Edit that information or delete the student.
- Add new Student to the database.
- Add new user(TnP, Teacher or Admin).
- Edit password for Users(Student,Admin,Teacher,TnP).
- Edit Roles of users.
- Generate Reports about the students.
- Notify students about their Marks by sending Single SMS or By sending Email.
- Create groups and assign role.

Functions of Teacher Module

- Upload Attendance of Students, students will get their attendance on cellphones via SMS and Email.
- Upload Marks(Sessional, Internal, External) of students, students will get report vi SMS and Email.
- Upload Assignment of Students along with PDF or ODP or DOC attachments.
- Teacher can Edit records uploaded.
- Generate Reports about the students.

Functions of Student Module

- Check their detail and verify that their information is correct.
- Check their marks(Sessional, Internal and External),
- Check their assignments and download attachments, assignment notification.
- Check their attendance.
- Also receive all information by SMS and Email.

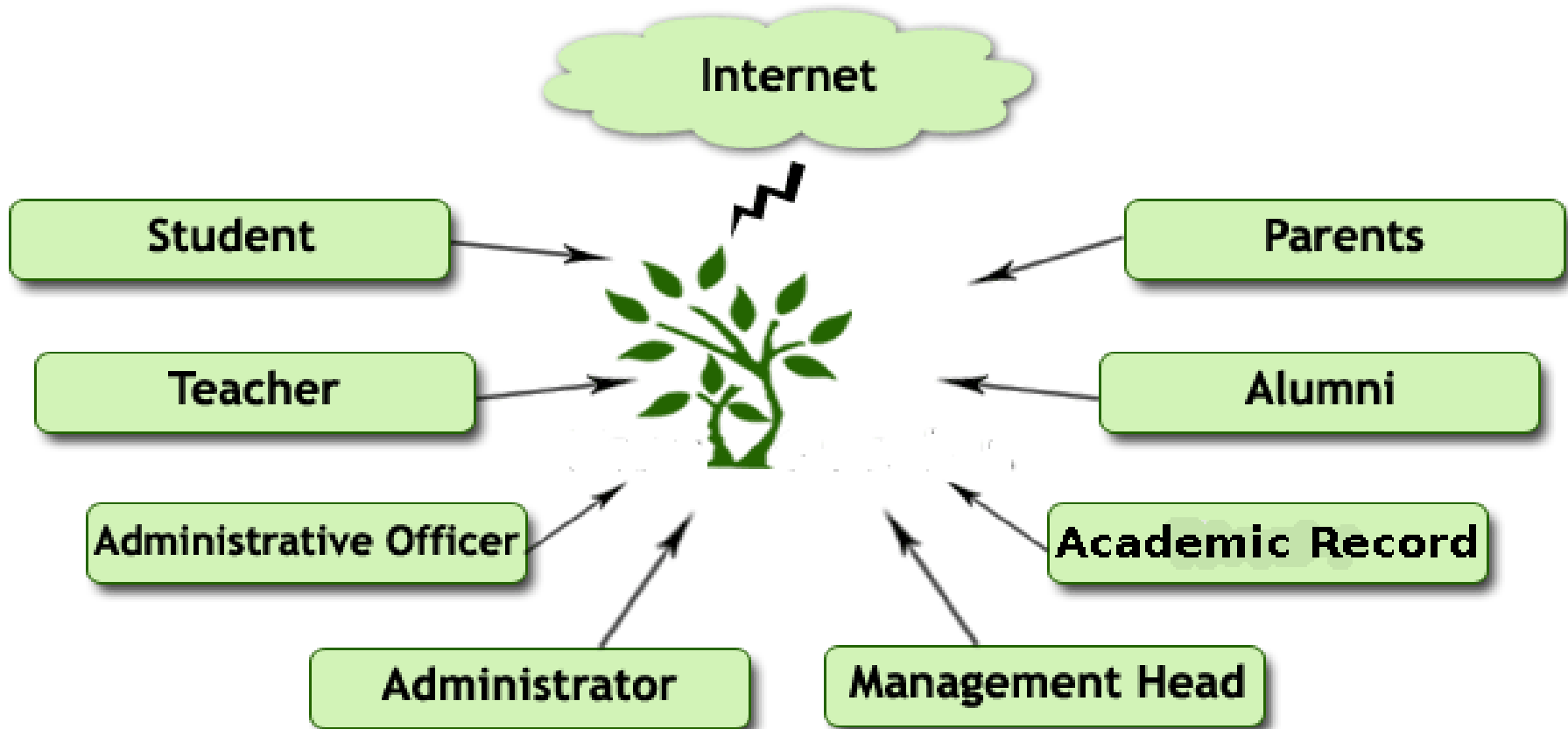
Function of TnP Module

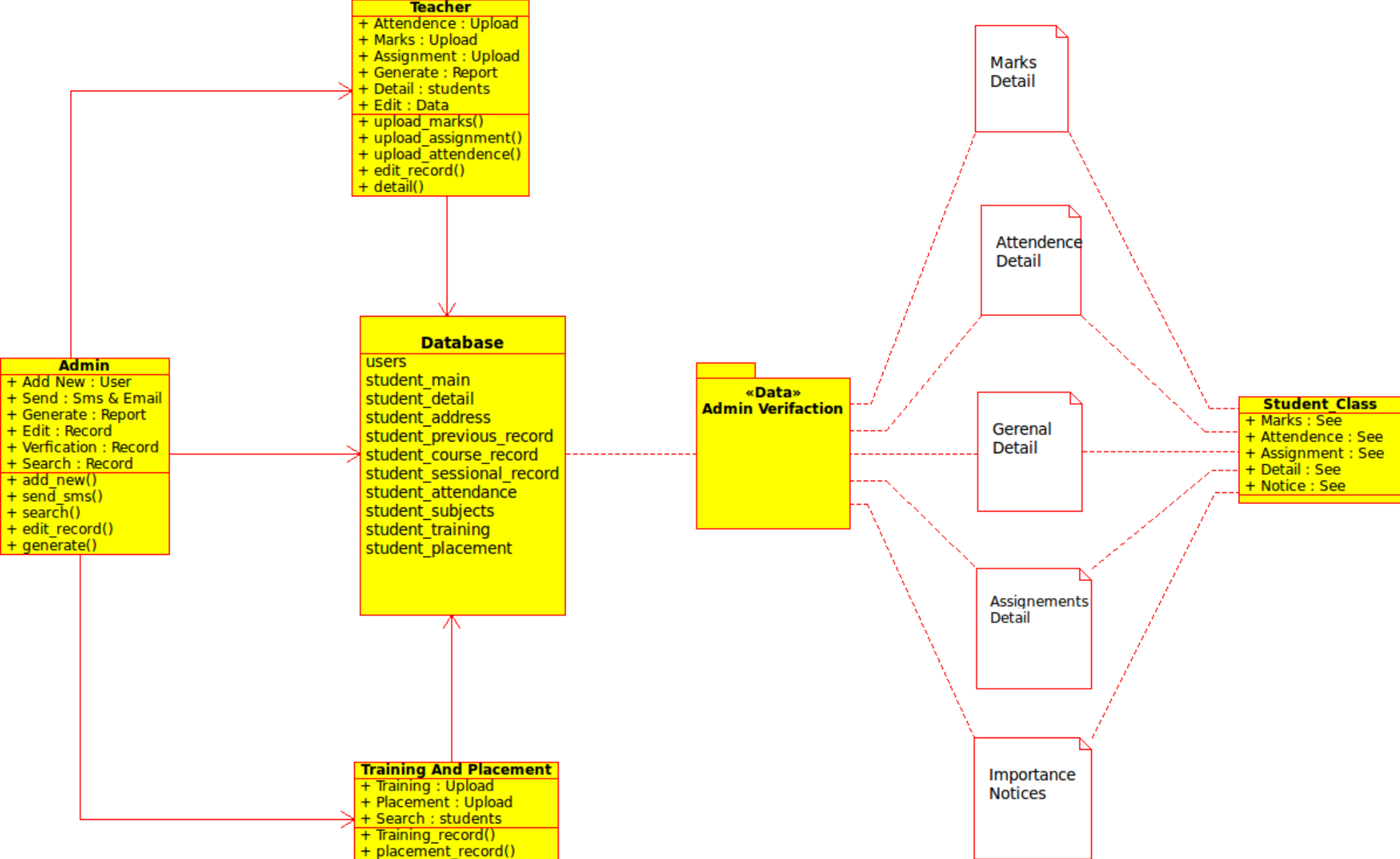
- Get information about particular student and Edit that information.
- Upload Placement Record.
- Upload Training Record.
- Edit the training and placement record.
- Generate Reports about the students

Language & Technology used

- PHP
- MySql
- JavaScript
- JQuery
- Ajax
- CSS

Structure Diagram





Flow Diagram

Working Demo

Guru Nanak Dev Engineer College

Advantages

- Reduce Paper Work
- Less Man Power
- Increased Efficiency
- Increased Accuracy
- Backup Record
- Easy Management
- Less Storage Space is Required
- Overall Development of System
- Minimize errors and Re-processing
- Uniform reporting

Future Scope

- Hostel Management Module
- Mess Management Module
- Library Management Module
- Employee Management Module
- Account Work

Release Links

- <http://202.164.53.116/~harbhag/GNDEC-ERP-System/>
- <https://github.com/harbhag/>
- <https://github.com/jagdeepmalhi/>

References

Links :

- <http://www.php.net/manual/>
- <http://mysql.com>

Mailing Lists :

- greatdevelopers@googlegroups.com

Books :

- Programming PHP, 2nd Edition By Rasmus Lerdorf, Peter MacIntyre, Kevin Tatroe
- Beginning PHP, Apache, MySQL web development By Michael K. Glass

THANKS

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