

# STUDENT MANAGEMENT SYSTEM

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## Overview

Student Management Software helps in easy management of the student details. Closer interaction between parents and teachers will help improve the performance of the student through required guidance.

## Goals

1. From manually handling the process of the student management system to automating it.
2. Easy access of the information to administration, staff, students and parents.
3. Improving the quality of education with consistent tracking of student performance and providing the required guidance.

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## Introduction

From handling things manually to the process of automating the student management system. The important details like student admission records, academic records and activities records can be stored, accessed and modified easily which would otherwise be difficult to handle using pen and paper.

## Basic Structure of the Project

Let us see the basic tech stack to be used and base menu, modules of the project.

## Tech Stack

The basic tech stack used for implementation of the project.

Database : postgresql

Middleware/Middle layer : Java, Spring boot, Hibernate

Frontend : Javascript, React js, MUI

## Base Menu

Menu's included in the basic project set up.

Settings

Academics

Messages

## Base Modules

Modules included in the basic project set up.

- Modules maintained by Administration
  - Institution
  - Branch
  - Admission(Staff and Student)

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- Modules maintained by department
  - Teachers details
  - Student details
  - Parent details
  - Standard and section
  - Attendance(staff and student)
  - Grades
  - Assignment
  - Co-curricular & Extra-curricular activities
- Communication Modules
  - Email template
  - Message template
  - Email message config
  - Email transmission log
  - Message transmission