College Management System

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| Design for | College Management System |
| Feasible Study | Completed |
| Risk | Not yet Identified |
| High Level View | Completed |
| Low Level View | Completed |
| Hight Level System Design | Not Started |
| Low Level System Design | Not Started |
| Database Design | Not Started |
| Technology Used | Not yet identified |
| Code Schema | Not Yet started |
| Testing | Not yes started |
| Source Version Control System | Git / Github |
| Github Link | https://github.com/rehbarkhan/college-management-system.git |

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# Acknowledgement

Django web framework is used for implementing the system along with other technologies like mysql, python3, html5, css3, js, ajax, etc.

Website used to overcome the business logics and UI designs are

* <https://getbootstrap.com>
* <https://www.tutorialspoint.com>
* <https://www.djangoproject.com>
* <https://www.python.org>
* <https://stackoverflow.com>

# About this document

This document contain the feasible study and the designing of College Management System app. Release version of the system can also be tracked using this document along with the SVCS.

# System Study / Features for App

## Features:

* People can apply online ( people like -> students, professor, admin staff , etc).
* Student can download the exam related documents online and can pay fee online
* Approval based system, each requester application has to be approved.
* People can download their payslip other than students.
* Professor can schedule and publish the class date and time online.
* Data consistency and security.
* Easy to use.

## Portal / App :

* Application apply portal for students, professor, admin, admission, finance.
* Online Portal for students – to see the profile, to view the results, to check the classes, to pay the fee, to see the course details.
* Professor – to see the profile, to download the payslip, to update the class schedule.
* Finance – to see the profile and to release the payroll for professor, finance and admin after getting approved from Dean / finance manager.
* Admission – to see the profile and to check the criteria students.
* Examination Cell : to see the profile and upload the exam related documents.
* Add – to add the Professor , admin and finance people -> to review the proposal and assign it to next approval.

# High level view of system

* Professor, Student, Admin Staff, Admission Staff, Finance, Other people can apply directly
* Professor request Review -> Has to be approved by Dean.
* Student request Review -> has to be approved by Admission Staff and Finance.
* Finance Request Review -> Has to be approved by Finance Manager and Dean
* Admission request Review -> has to be approved by Admission Manager and Dean
* Admin request Review -> has to be approved by Admin Manager and Dean
* Other people request Review -> has to be approved by Admin.
* Professor can schedule and publish the classes time table
* Student can see course full syllabus, classes time table, download the exam documents and Fee details
* Examination Cell : can upload, admin card, registration card and exam results.
* Finance Team : can upload the fee details of respective students.

# Low level view of system

* Students -> Apply for course -> Admission teams approved it and register user in the college / university with the correct college roll number and university registration number.
  + Students -> Can now login to the portal and then pay the fee
  + Students -> Can see the fee details and structure
  + Students -> Can see the result, admit card and registration card
  + Students -> Can see the course details, class timetable and faculty info.
  + Students - > data modification approval goes to admission team.
* Professor -> Apply for teaching -> Dean approved it
  + Professor-> Can login to the portal and share/publish timetable and can edit it as well.
  + Professor can see / download the payslip
  + Professor data modification approval goes to Dean Approval
  + Can apply for resignation
* Admin Team -> Apply for admin team -> Admin Manager will approve it.
  + Other people request must be processed by admin team like staff,security etc
  + Will manage the database and apps.
  + Admin team and other people can see their payslip
  + Data modification for Admin team must be approved from Admin Manager
  + Data modification for other must be approved from Admin team.
* Admission Team -> Apply for Admission team -> Admission manager will approve it.
  + Review the student application and register the details with college and university and provide the required information like college roll number, university registration number, course info etc.
  + Also validate the student data if the data modification request came.
  + Admission team member can see their payslip.
* Examination Cell -> Apply for examination cell -> Approval from Exm. Manger
  + Publish the Course Exam date and schedule
  + Publish the students result online and registration / admin card details
  + Data modification must be approved from Examination Cell manager
* Finance Team -> Apply for Finance Team -> Finance manager will approve it.
  + Publish student fee structure and update the fee database
  + Publish and roll out the payroll for teacher / admin / admission / examination cell and finance member
  + Data modification must be approved by Finance manager.