Software Engineering

TEAM NAME-"TEAM-3"

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Project Proposal
2015/16
College Management System

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Project Details

Summary

We are going to build a software that can handle most of the work that currently is being done by manually on different systems. Our software will provide facilities on the four domains academics, hostel, mess and transportation.

1. *In academics we are including student records, registration, faculty record, result, course management and timetable management.*
2. *In hostel we are including room allotment, room-wise resource allocation.*
3. *In mess we are including rebate form, mess menu, mess staff record including details about contract.*
4. *In transportation our software will provide services like timetable generation, message alert system.*

After this software administration will be able to provide the better facility to different area as stated above.

Background Study

We went through the different documents about how an automation in an organization can change the work efficiencies .we also searched about various colleges those have put their all the system work online and from there we got this idea of implementing this for our college also so that all the work could be done in a better way, as this reduces the cost of changing the data of any of the area like registration process, bus schedule etc.

There are various problems that teachers and students are facing in the transportation area. Here we have decided to make a automated but dynamic bus schedule

Objectives

Objectives of this project will focus on implementing college management system are as follows

Objective No	Objective Description
1.	Improve management for Student Record, Faculty Record, Transport and Mess
2.	Facilitate the effective complain management system
3.	Enhance the ability and effectiveness of staff to perform their jobs
4.	Provide Room Allotment and Room wise Resource Management
5.	Eliminate redundant data entry throughout the administration
6.	User friendly, accomplish project goals within the defined time limit, should be easy to maintain

Deliverables and Limits

The following items must be delivered with the software system:

Deliverable No	Deliverable Description
1.	The Software Requirements Document [SRD]
2.	System Test Plan
3.	System input data
4.	Software to be Tested
5.	System test report.
6.	System test output data
7.	Problem reports(If necessary)

Timing

These are the milestones that we have fixed for our project that our team will achieve at the provided timings.

Phases	Deadlines
Requirement Gathering	06th September 2015
Requirement Study	13th September 2015
Designing phase	20th September 2015
Coding & Unit Testing	01st November 2015
System Testing	08th November 2015

Risks

There involves some risks those may affect our software building are as follows:-

Risk	Description
Change in time constraint	Our time constraint for this project can change if we get some new projects in other subjects .This can lead to variance in expected completion time of the milestones as decided in project plan.
Unavailability of team members	There may be some change in the timing of submission of the software due to some epidemic disease, some people fall ill etc.
Strike	There may be some strike of students for Student Welfares, so it may also delay
Internet unavailability	There may be some problems about internet such as Complete Internet Blockages etc.

Project Benefits and Costs

The estimated benefits and costs on the basis of the information currently available.

Benefits

This system will be designed to maximize the administrative, academic and overall productivity by providing tools to assist in automating the technical procedures and processes, which would otherwise have to be performed manually. By maximizing the users work efficiency and production the system will meet the user's needs while remaining easy to understand and use. It is a user-friendly portal to **interact, manage, access the information.**

Estimated cost

There are certain costs associated with the some features of our software as follows:-

1. *Hardware & software that are needed to run our software.*
2. *Providing internet facility and also the server setting for implementing our software in the college environment.*
   There may be some other costs pop up with the progress of our project.