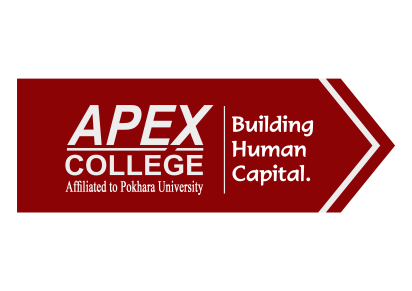
**MAJOR PROJECT PROPOSAL**

Student Management System

*(*SMS*)*

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PROGRAM: BCIS

POKHARA UNIVERSITY

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To,

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Subject: Project Proposal for “Student Management System (SMS)”

*In partial fulfillment of the requirement for*

*the degree of*

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# Abstract

This project titled as "School Management System" is developed in PHP using HTML, Bootstrap, JavaScript and CSS. We have used core PHP as front end and SQL Developer and DBMS Server as back end. The main aim of the project is to control the management processes in school. The administrator will login to this project using the username and password. The administrator will enter the student details and every department worksheet. To begin with, proper management of time along with an effective and error – free atmosphere, school management software leave all the traditional techniques far behind. This is the best way to manage student information, student performance, student extracurricular activity, teacher response, classroom management, graduate information; report generation, etc. Student’s data and all other information of students and staff are held manually in files. In case of any robbery or an accident like a fire or any such mishap, you are left empty handed with no data with you. School management system simply removes the concept of those old big files and folders stored in large cupboards. The details will be stored in the database. The student details are entered and the department in which the student is placed are entered. School management system simply removes the concept of those old big files and folders stored in large cupboards. The administrator can view all reports in the project. The student reports, admission reports, fees reports are displayed as report to the administrator

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# List of Abbreviations

* HTML: Hyper Text Markup Language
* CSS: Cascading Style Sheet
* SQL: Structured Query Language
* SMS : Student Management System

# CHAPTER I

## Introduction

School Management System (SMS) helps any given school for the enrollment of new students. This process is very hefty and takes a lot of time. Also, it has been done manually in written format storing all the records and documents in the closets. School Management System allows you to manage the daily information of all the students easily along with student’s details. Based on the role, system should expose relevant options to the user. The School Management System focuses on storing and processing by using web pages. This system is used for the following:

* Generating student information in formatted html tables, student marksheet, class routines.
* Generating the student personal report, academic detail report and performance basis report.

School Management System has following impact on the schools while coming into existence and not coming into existence:

SMS while coming in existence:

* Data is stored with the help of software and filed with easy in the computer database.
* The software makes it faster, reduces the time and manpower and creates economic and accurate.
* Retrieval of information is with just clicks and fast.
* Management of admission procedure, admission form collection, listing and admitting student is done with the help of single data entry in the centralized database.

SMS while not coming in existence:

* Lot of paper work, filing and storage required.
* Manually procedure takes a good amount of manpower, it is uneconomical and inaccurate.
* Retrieval of information is full of efforts and time consuming.
* Management of admission procedure, admission form collection, listing and admitting student is a lengthy process in manual system.

Features & Advantages of Student’s School Management System

* Storing students’ school history (attendance, report card, ECA involvement) and certificates.
* On acceptance of admission process, automatic transfer of details of the student to school register and school records without any paper work.
* Get complete view of the student’s profile with photo
* Generate customized reports to get statistics of student performance.
* Make available class routine of every standard with the option to change routine in order to replace the absent faculty teacher.

### 1.1.1 Features

* There in presence of interconnection between the computers in a centralized network.
* The browsing of the food conveniently.
* The website allows placing order for the food along with the service of delivery system of the order.
* The website consists of review of food and restaurants.
* The feature of notification and real time location to improve the application service.
* The variety of food that we can get in the allocated budget.

## Objectives

### 1.2.1. Academic Objectives

The following are the academic objective of the project:

* To improve skills in networking, internet technology and database management system.
* To utilize the theoretical knowledge and bring it into practical form.
* For the partial fulfillment of the requirement for the degree of BCIS.
* To carryout work division in the group to build up team work strategies and get efficient effort from the group.

### 1.2.2 Specific Objectives

* To share and express our ideas and views regarding the project.
* To get customers familiar with great food experience through the context of food website.
* To provide a convenient and reliable way of service to get more happy and satisfied customers.
* The provision of good and reliable service in fair price.
* To be able to stand out from competitors in the food service industry.

## Theoretical Background of the project

### 1.3.1 Theoretical knowledge

To complete this project, we need theoretical knowledge regarding Internet technology and networking mainly about the PHP programming. We also need knowledge about DBMS (database management system). The development of the project is done by the use of the android Studio Coding Platform .The use of the Java and xml coding in the context based coding that we are implementing in the project. So, firstly, adequate knowledge must be gained in order to start a project. Also, implementing the knowledge gained in terms of codes is a must.

### 1.3.2 Overall Representation of the project

*Fig 1.1 : Overall Representation of*

### 1.3.3 Context Flow Diagram

### 

*Fig1.2 : Context Flow Diagram of*

### 1.3.4 Working principle of project

*Fig1.3: Working principle*

# CHAPTER II

## 2.1 Literature Review

We as a team wanted to do something useful for our major project and after a lot of discussion after discussions we selected SCHOOL MANAGEMENT SYSTEM as our topic. We have been observing that management process has been really hectic work to be carried out manually. It’s really time consuming and kind of boring to file these all school daily activities curriculum processes. Looking at this hectic job and all those processes we thought of building a system that will make this daily processes many times easier than the previous one. It is configurable and can be configured to meet most school’s needs. Even today all the work of the student informations are done manually by ink and paper which is very slow and consuming much of efforts and time. So for easy and comfortable use, it is required to design a computerized automated student management system to speed up and make it easy to use the system. Student management system supports student detail information and other student activities, the maintenance of students’ personal, academic and related data. Database maintained by this system usually contains student personal, academic and fee related information (we will implement fee realated information in further future development).

To start any work, research is the most important thing to be done. So, for our project also we did a lot of research. And this research really help us to do the task in better way, gave us many more innovative ideas. We talked with some of our seniors and discussed about which project will be the best on for us and which can be useful even in daily lives. We were a bit confused on two topics and we even went to our project consultant sir to discuss about which topic would be best one.

We searched on internet about major project topics and came to a conclusion to do SCHOOL MANAGEMENT SYSTEM. After our topics were discussed, we did a lot of research on internet, visited many websites, and also watched some videos on how management process is executed on many schools.

# CHAPTER III

## 3.1 Hardware and Software Requirements

### 3.1.1 Hardware Requirements:

* Keyboard
* CPU
* Monitor
* Mouse
* Internet Connection

### 

### 3.1.2 **Software Requirements:**

* Operating system: Microsoft windows XP and above
* Front end tools: HTML, PHP, CSS, Bootstrap
* Back end tools: SQL Developer , DBMS Server

### 3.1.3 CPU

* Processor: Intel Dual Core and above
* RAM: 512 MB and above
* HDD: 40 GB and above

### 

# CHAPTER IV

## 4.1 Proposed Schedule

### 4.1.1 Overview

The total working time for this project is about three and half months. This project starts from mid-May, 2019 and supposed to be finished by the first week of November. The work is divided into 4 phases. The first phase is Research and analysis of problem requirement and feasibility which lasts about 10 days. The second phase is idea and concept which last about 25 days. Then, we have our proposal defense. The third phase is the most important phase which is designing and coding. This phase lasts about two and half months or more. Then we have our presentation at the end of our deadline date. With this schedule we can finish our project in time.

### 4.1.2 Gantt Chart

*Fig 4.1: Gantt chart*

## 

## 4.2 Group Organization

Major Project is one of the subjects of eight semester which needs to be done compulsorily by each and every member either single or in a group. Our group consists of three members and the work is divided between each member on the basis of field of interest and knowledge. Each member will be contributing as much as they can as per required by our project schedule and time limit. The work division is as follows:

**Problem, requirement and feasibility analysis**

* Manjita Manandhar
* Mridu Bhattarai
* Shrishej Bajracharya
* Tanuja Luitel

**Front-End Designing**

* Manjita Manandhar
* Mridu Bhattarai
* Shrishej Bajracharya
* Tanuja Luitel

**Database design and coding**

* Manjita Manandhar
* Mridu Bhattarai
* Shrishej Bajracharya
* Tanuja Luitel

# CHAPTER V

## 5.1 Cost, Benefit and Analysis

**Costs**

* Costs for programmers developing the program.
* Cost of training the faculty members, workers, who runs the application in the supermarkets.
* Cost of maintenance.
* Cost of licensing.

**Benefits**

* Automation of routine tasks.
* Improve communication.
* Better analysis of student performance.
* Increased transparecy.
* integration with other software
* Easily understandable.
* Maintenance is also cheaper.

The benefits shall overcome the costs as, the benefits of the FOOGET is huge than the costs incurred in adapting it. It is widely applicable and easy to operate. FOOGET shall be overcoming the drawbacks that exited in the older system the markets have been using.

# 

# CHAPTER VI

## 6.1 Application of the project in the real world

## 6.2 Limitations

* This system can be accessed by admin, student and faculty members.
* Student can access and view profile, report, attendance where as faculty members can access, view, update and delete report card, attendance and routine with other files.
* It requires internet connection and also the user must be computer literate.
* If storage capacity too small so that it cannot be stored large amount of data. So, backup is necessary for future requirement.
* In a fast changing and complex environment, SMS may not have enoough flexibilty to update itself quickly.

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