Attendance Management System.

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Attendance Management System is a software developed for daily student attendance in schools, colleges and institutes. It facilitates to access the attendance information of a particular student in a particular class. The information is sorted by the operators, which will be provided by the teacher for a particular class. This system will also help in evaluating attendance eligibility criteria of a student.

The purpose of developing attendance management system is to computerized the tradition way of taking attendance. Another purpose for developing this software is to generate the report automatically at the end of the session or in the between of the session.

OBJECTIVES

The main objective of this project is to computerize the manual system & reduce the time consumption. In other words we can say that our project has the following objectives:-

1. Make the attendance system computerized
2. Reduce time consumption
3. Reduce error scope
4. Paper work is reduced as we need not to maintain registers for future references.

PROJECT CATEGORY

This project as title “ATTENDANCE SYSTEM” is developed with the help of MS EXCEL 2007. This application is for stand alone system.

TOOLS/PLATFORM

This project is developed using the tools, which are most suited for development of the Application Package. These tools are as follows: -

MS EXCEL 2007 (Macro Enabled programming)

MACROS

Basic Concepts:

1. A macro is a user-programmed routine that can be accessed by shortcut-keys.
2. Visual Basic for Applications (VBA) is a programming language used by Microsoft Office Programs to allow the user to develop customized routines and functions.
3. Functions are routines that return values.

Features:

1. One approach for developing macros is by recording manual steps
2. Another approach is by loading Visual Basic files

3. The macros can be modified and enhanced by using the Visual Basic Editor.

**HARDWARE & SOFTWARE REQUIREMENT**

**HARDWARE:**
- Processor Pentium-II or higher
- Processor Speed 533 MHZ
- Hard Disk Space 20 GB (min.)
- Ram Memory 32 MB (64 MB recommended)

**SOFTWARE:**
- Operating System Windows XP/7
- MS EXCEL 2007

**SYSTEM DESIGN**

This project is designed to make the attendance system computerized. Computerized attendance system provides the facility to feed the attendance easily and reduced manual work. Its easy to calculate the total attendance of a particular student in a particular subject.

Here we used the MS EXCEL macros capability to computerize the manual attendance system.

The system is stand alone. The project is designed to allow the following features-

1. Feeding the student attendance with less time consumption
2. Report generation
3. Maintenance is easy

The project is designed in the way that it first requires login name and password for the purpose of security so that no other person can feed the attendance. Then it gives the facility to view & feed attendance and generate report.

**PROCESSING OF ATTENDANCE SYSTEM**

**DATABASE DESIGN**

Database Design in most important in any project. We are using the following table to store the information:

**LOGIN DETAIL:**
- Login id
- Password
- Status

**CLASS DETAIL:**
- Course
- Subject
- Start session
- End session

**ATTENDANCE DETAIL:**
Roll no
Name
Date

E-R DIAGRAM
The above relationship is maintained in coding itself as the above mentioned E-R diagram will be the proposed one for web enabled attendance system.

MODULES USED IN THE PROJECT
This project includes the following modules for development of the project. These are as follows:

1. LOGIN FORM This form shows the Login name and password when user enter a valid user name and password then he/she can operate the application.
2. MAIN FORM This form provides the option to view attendance, feed attendance and report generation.
3. VIEW ATTENDANCE FORM This form provides the option to see the attendance name wise, date wise and all.
4. FEED ATTENDANCE FORM This form provides the options to feed the attendance.
5. REPORT FORM This form provides the report of attendance of a particular class.

SCREEN SHOTS
INSTRUCTIONS

1. PLEASE FILL THE COURSE SUBJECT START SESSION AND END SESSION.

2. ADD SHEET AND LABEL CELL A2 AS ROLL NO.B2 AS NAME AND THEN INSERT ROLL NUMBER AND NAME COLUMNWISE. THEN CLICK ON SHEETS.

3. INSERT THE SHEET NAME IN SHEETNAME COLUMN FOR EX-SHEETS SHEETS.

4. PLEASE CLICK ON SAVE TO SAVE THE CHANGES.
INSTRUCTIONS

1. PLEASE FILL THE COURSE SUBJECT START SESSION AND END SESSION.

2. ADD SHEET AND LABEL CELL A2 AS ROLL NO,B2 AS NAME AND THEN INSERT ROLL NUMBER AND NAME COLUMNWISE. THEN CLICK ON SHEET3

3. INSERT THE SHEET NAME IN SHEETNAME COLUMN FOR EX-SHEET8 SHEET9

4. PLEASE CLICK ON SAVE TO SAVE THE CHANGES

ADD SHEET       SAVE

BACK
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<th>12/2/2012</th>
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</tr>
</tbody>
</table>
FUTURE SCOPE OF THE PROJECT

Nothing is perfect in this world. So, we are also no exception. Although, we have tried our best to present the information effectively, yet, there can be further enhancement in the Application. As the project is stand alone application this can also be enhanced to be developed using dot net framework (web enabled) so that information can be online and can seen by student’s parents and all that need the information.

Author Biography
Kamal Acharya is a Nepalese Author, Researcher, Programmer at Tribhuvan University. He has passed master of science and information technology from Tribhuvan University.