**PHP Project Report on**

**ARANS: Attendance Records & Assignments Notifying System**



**For 4th Semester Final Examination of Master of Computer Applications of**

**Jorhat Engineering College**

**Affiliated To Dibrugarh University, Assam**

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**ACKNOWLEDGEMENT**

We take this opportunity to express our sincere gratitude to all those who helped us in various capacities in undertaking this project and devising the report.

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We also thank our friends for their constant support and cooperation.

**Dipsikha Phukan (13/16) Amarjyoti Gautam (30/16)**

**4th semester MCA 4th semester MCA**

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**CERTIFICATE**

This is to certify that the project entitled “ATTENDANCE

RECORDS & ASSIGNMENTS NOTIFYING SYSTEM”,

which has been jointly submitted by Dipsikha Phukan and

Amarjyoti Gautam for the partial fulfillment of 4th Semester of

Master of Computer Applications course is a bona fide project work

carried out by them under my supervision.

I wish them all success in future.

**Mr. Joydeep Sarmah**

H.O.D.

Master of Computer Application

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**Mr. Abinash Borah**

Assistant Professor

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**DECLARATION**

We hereby declare that the project report entitled “ATTENDANCE RECORDS & ASSIGNMENTS NOTIFYING SYSTEM” submitted by us is our own and is not submitted by any other university or institute for the award of any degree or for any other purpose.

**Dipsikha Phukan (13/16) Amarjyoti Gautam (30/16)**

**4th semester MCA 4th semester MCA**

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**Synopsis**

**Introduction**:-

Attendance Records & Assignments Notifying System is software developed for daily student attendance in schools, colleges and institutes. If facilitates to access the attendance information of a particular student in a particular class or subject. The information is sorted by the filters, which will be provided to both the teachers and students for a particular class. Moreover, students can get updated in case he/she is absent in the class on a particular day, by simply signing up the system. This system also notifies of assignments given by the teachers or if submitted by the students.

**Purpose**:-

The purpose of developing Attendance Records & Assignments Notifying System is to computerize the tradition way of taking attendance and to keep a student updated if he/she is absent in the class . 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.

**Scope**:-

The scope of the project is that it is developed as a web application, and it will work for a particular institute in a LAN as well as online from any part of the world if provided with necessary hardware and software equipments.

**Achievements:-**

By successfully implementing Attendance Records & Assignments Notifying System, a substantial knowledge has been acquired on the implementation of a web based database system. This knowledge will be useful in the future in creating any type of application. The objective of this system was the creation of a web application for users which has been fulfilled.

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**Objective**

The objective of the project “Attendance Records & Assignments Notifying System” is to computerize the tradition way of taking attendance and to keep a student updated if he/she is absent in the class.

Attendance Records & Assignments Notifying System basically has three main modules for proper functioning.

First module is admin which has right for creating space for new batch and managing those entries. Any entry of new faculty by approving their request and addition/deletion in subject if necessary.

Second module is handled by a teacher. Teacher has a right of making daily attendance and generating report. Attendance can be taken on the basis of Subject and date. Moreover, teacher can upload study materials, and assignments given to the students can also be uploaded here. Teacher can also get the assignments submitted by the students for a particular subject.

Third module is the student who has the right to login the system and check his/her attendance of a particular subject, view study materials and assignments given to them. They can also submit their assignments by this system.

**Feasibility Study**

The feasibility study of any system is mainly intended to study and analyze the proposed system and to decide whether the system under consideration will be viable or not after implementation. That is it determines the usability of the project after deployment.

Thus since the feasibility study may lead to commitment of large resources, it becomes necessary that it should be conducted competently and no fundamental errors of judgment are made. There are different types of feasibility study and the way we performed on our project “Attendance Records & Assignments Notifying System**”**.

**Technical Feasibility:**

In technical feasibility, we study all technical issues regarding the proposed system. It is mainly concerned with the specifications of the equipment and the software, which successfully satisfies the end-user’s requirement. The technical needs of the system may vary accordingly but include:

* The feasibility to produce outputs in a given time.
* Response time under certain conditions.
* Ability to process a certain volume of the transaction at a particular speed.
* Facility to communicate data.

Under this analysis process questions like (i) Does the compatible platform exist within our domain or can we procure it? (ii) Does the proposed equipment have the technical capacity to hold the data required using the new system?

Both at the development site and at server where we will be hiring the space for the website, and also the database would it be possible to upgrade the system after it is developed and implemented if necessary. And would the recommended technology guarantee the reliability, accuracy and data security? This analysis process requires more emphasis on system configuration given more importance rather than the actual hardware specifications.

The configuration of the existing systems is:

* Processor : Any Dual Core, 1000 MHz (or above)
* Memory : 1024 MB (or above)
* Secondary storage : 20 GB (or above)

For Software there are following alternatives:

Operating System**: Windows** 7/8.1/10

Development tool: Sublime

Database: MySQL

Documentation tool: MS-Word

**Economical Feasibility:-**

Meaning: Are there sufficient benefits in creating the system to make the acceptable? Or are the costs of not creating the system so great that it is advisable to undertaken the project.

This will include three major costs as described below:

* Cost of Hardware and Software
* Cost of Software to be acquired to build and run the product is a onetime cost.
* Buying a back end database is the major part of hardware and Software cost. Comparison between the oracle database high cost and better features with the SQL server low cost and better support for the same vendor operating system make this decision need oriented.

Benefits in reduced cost, error and saving will be made by reduction of present system expenses, time saving and increased accuracy.

**Cost Avoidance:**

Future cost reduction in form of reduction in the number of administrative staff needed and manual records maintains in organization. Rise in cost will be avoided.

**Operational Feasibility:**

Meaning: The system will be used if it is developed well then be resistance from users that undermine the possible application benefits.

**Clients Supports:**

Client and user support for present system is there, as the current procedure used takes more time and effort than proposed system. No major training and new skills are required as it is based on DBMS model. It will help in the time saving and fast processing and dispersal of user request and application. New product will provide all the benefits of present system with better performance such as improved information, better management and collection of the reports.

**User Support:**

User involvement in the building of present system is sought to keep in mind the user specific requirement and needs. User will have control over own information. Important information such as Attendance record report can be generated at the click of a button.

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**Requirements & System Analysis**

**HARDWARE REQUIREMENTS -**

The hardware facilities, which are required in order to cope up with, the proposed systems, are as follows: -

Dual Core processor

Minimum of 2 GB of RAM

**SOFTWARE REQUIREMENTS —**

The minimum software requirements for the proposed system would be:-

Windows operating system (7 or later)

Web browsers with PHP, HTML 5 support.

**Software tools requirements**

The software tools that are used to build the system are as follows:

**>Sublime**

**>Xampp** Server

**>HTML 5** as Front end with **CSS** and **JAVA** script

**>MySQL** as Back end

**System Analysis**

Structured analysis is a development method for the analysis of existing manual or automated systems, leading to the development of the specifications for a new or modified system. When an unfamiliar system is approached, then there is always a question of being the analysis. A dynamic situation may seem almost overwhelming because so many activities always go on simultaneously.

The attributes of structured analysis can be underlined as follows:

'1'- Attempts to structure the requirement determination process.

'2' -The process includes all relevant details regarding the system.

'3' - The identification of requirements will be similar among individual analysts, and will include best solutions and strategies for system development opportunities.

The working papers produced to document the existing and purposed systems are effective communication devices. The refined results of the structured analysis, a structured specification includes the following basic tools:

* Data Flow diagram
* Entity-Relationship diagram

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**System Design**

System designing is the most crucial part of any information system development process. System designing is a solution about how to approach to the creation of a new system. It is a highly creative process and it requires a substantial amount of knowledge and creativity on part of the system analyst.

System design is mainly concern with the co-ordination of activity, job procedures and equipment utilization in order to achieve organizational objectives.

System design is a highly creative process, which can be greatly facilitated by the following:

1. There should be a strong problem definition.

2. Pictorial description of the existing system.

3. General background information of the area under study.

4. A good understanding of the current system and a set of requirements for the system.

**Design specification**

In this stage, the software design document defines the overall architecture of the software that provides the functions and features described in the software in the software requirements documents.

The document describes the logical subsystem and their respective physical modules. It ensures that conditions are covered.

**INPUT DESIGN:**

Inaccurate input data are the most common cause of errors in data processing. Errors entered by data entry operators can be controlled by input design. Input design is the process of converting user oriented user inputs to a computer-based format. In the input design phase, inputs are collected and organized into groups of similar data. Once identified appropriate, input media are selected for processing.

**OUTPUT DESIGN**:

Computer output is the most important and direct source of information to the user. Efficient intelligent output design should improve the system relationship with the user and help in decision making. A major form of output is a hard copy from the printer.

**FORM DESIGN:**

A form is a tool with a message. It is the physical carrier of data and information. It also can constitute authority for action. For the purpose, in a kind of system under consideration, which employs the method of online data entry through keyboard, the data entry operator must be assisted by a well-designed input form in accordance with the source document sheet.

**DATABASE DESIGN:**

The collection of data is usually referred to as the database. The database contains information about one particular organization. Database system is designed to manage large quantities of information. The management of data involves both for storage and the provision for mechanisms for the manipulation of the information. In addition, the system must provide for the safety to the information stored in the database.

Structured Analysis

* **Entity Relationship Diagram**

M M

admin

1

teachers

students

manages

M

1

M

uploads

1

1 1

view

view

records

teaches

1

1

1

M

M

M

s\_assignmentt

1

uploads

M

assignmentt

M

has

attendance

subject

note

1 M

Fig: ER diagram of Attendance Records and Assignments Notifying System

* **Data Flow Diagram**

Data flow diagram is graphical representation of flow of data in an information system. It is capable of depicting incoming data flow, outgoing data flow and stored data. The DFD does not mention anything about how data flows through the system.

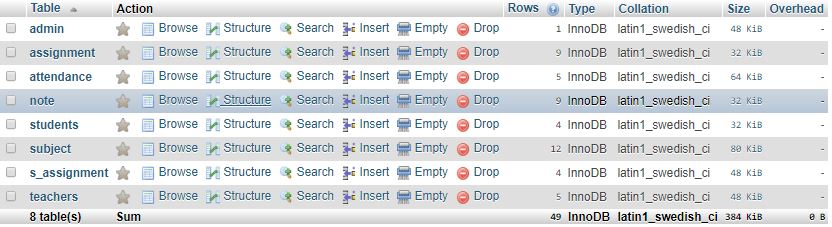
**Entities** -Entities are source and destination of information data.

**Process** - Activities and action taken on the data are represented by Circle or Round-edged rectangles.

**Data Flow** - Movement of data is shown by pointed arrows.

**Data Storage** - There are two variants of data storage - it can either be represented as a rectangle with absence of both smaller sides or as an open-sided rectangle with only one side missing as shown in the fig above.

* **Data Dictionary**

**Tables**

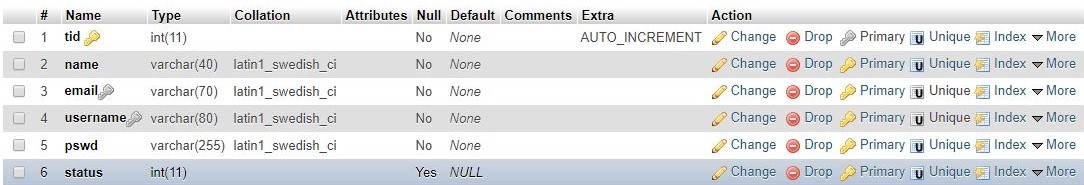
**Admin Table**

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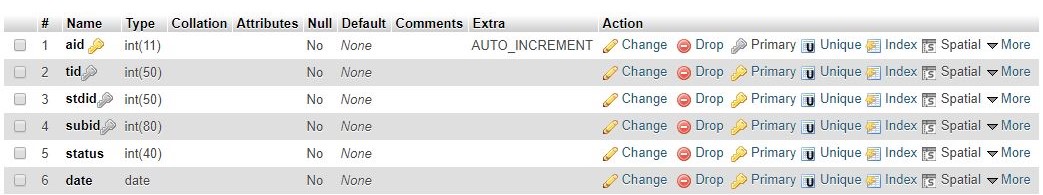
**Students Table**

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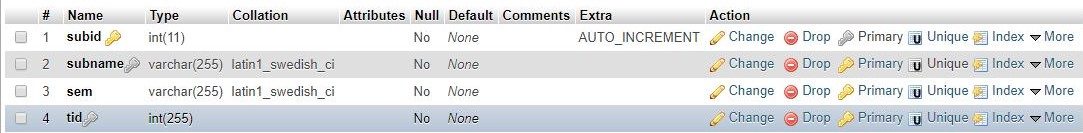
**Teachers Table**



**Attendance Table**

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**Assignment Table**

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**SCREENSHOT OF THE PROPOSED SYSTEM AT VARIOUS RUNNING STATES**

**Conclusion & Future Scope**

Simplicity is never simple. As we have seen in this project, the process of creating a user-friendly and straightforward platform that facilitates the administrator’s job is one filled with complexity. From understanding user requirements to system design and finally system prototype and finalization, every step requires in-depth understanding and commitment towards achieving the objectives of the project.

Although the database management module is not fully integrated to the system and used on real time, the system prototype demonstrates easy navigation and data are stored in a systematic way. Overall, efficiency has improved and work processes simplified. Although all the objectives have been met, the system still has room for improvement. The system is robust and flexible enough for future upgrade using advanced technology and devices.

It is hoped that this project will help the future developers to modify and implement the system. After modifying some techniques of the program it will give us the best performance as our requirements.

The project will be very useful for the users and all level of management.

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