Synopsis Of

**“ONLINE STUDENT ATTENDANCE SYSTEM”**

Submitted By

|  |  |
| --- | --- |
| Manu Rastogi | * 1503031088 |
| Mohit Singh | * 1503013054 |
| Tanushree Upreti | * 1503013111 |
| Vishal Saini | * 1503013114 |

Under the guidance of

**Mr. Vijay Pradeep**



Inderprastha Engineering College, Ghaziabad (U.P.)

Dr. A.P.J. Abdul Kalam Technical University,

Uttar Pradesh, Lucknow

June - 2018

**INDEX**

Sr. No. Topics Page No.

1 Introduction

2 Motivation

3 Objective(s) and Scope

4 Target Users

5 Technical Platform

1. **INTRODUCTION**

Online Student Attendance System is a website developed for maintaining the attendance of students on a daily basis. Here, the faculty who is in charge of a particular subject will be responsible for uploading the attendance in the database. Every teacher is given a separate username and password based on the subjects they handle. Report can be generated automatically at the end of session or in between the session. A defaulter list can be generated from the system (<75% attendance). It will also provide an interface for parents, guardians and students to communicate which is missing in existing systems. Parents can view the attendance as well as check the feedback given by the teachers of students. This system will also help students receive online study material and receive email notifications from the department.

1. **MOTIVATION**

Following are the limitations of the existing system:-

1. The existing business system although provides online support but fails to provide online study material to the students.
2. Moreover, the materials often provided doesn’t contain total solutions to the problems of the students.

3. There is no provision through which teachers can upload assignments that can be downloaded by the students.

4. There is no process for parents' to view their child's attendance and to check the student feedback given by the teachers.

5. The existing system does not provide an interface for parents/guardians and faculty to communicate.

6. It also fails to provide email notifications whenever an important announcement is made.

These limitations have been improved in the developed system **Online Student Attendance System** and it has more features to improve on these problems, providing a one stop solution.

1. **OBJECTIVE(S) AND SCOPE**

**Objectives of the system are:-**

1. The administrator will allocate roll number and password to the new students.
2. Faculty will also be provided with a username and password based on the subjects they handle.
3. Members can log in to the system by providing a valid user id and password.
4. The admin can view any database and he/she can update, add and delete a user.
5. The teacher will upload student attendance, assignments and feedback of students.
6. The students can view their attendance, download assignments and upload assignment solutions on the site.
7. Students can also receive study material on the portal and receive important information through an email notification.
8. This portal also provides latest information related to studies.

**Modules in the System:-**

The Online Student Attendance System can be divided into four modules, namely:

**Module 1: Administrator**

This module is responsible for maintaining the overall system based on defined business rules and it perform the following functions:

1. The administrator can view any database.
2. It can add, delete or update any user.
3. It can update website details.
4. It can add details to:

* Student Module
* Teacher Module
* Parents' Module

7. Respond to e-mail request.

8. It can moderate the comments.

**Module 2: Student**

Following are the functionalities of the student module:

1. Students can be managed by the teachers and can view their attendance.

2. They can download the assignments uploaded by the teachers.

3. They can upload the solutions on site.

4. They can also view study materials and receive email notification from the department.

**Module 3: Teacher/Faculty**

Following are the major functionalities of the teacher/faculty module:

1. Faculty can enter attendance based on the subjects in the attendance database.

2. They can upload assignments to the site that students can download.

3. Teachers can view all submissions and grade them.

4. Faculty can notify parents about their child's performance.

**Module 4: Parents**

Following are the major functionalities of the parents' module:

1. Parents' can view all the details of students.

2. They can check student attendance.

3. They can also check the student feedback given by the teachers.

1. **TARGET USERS**

The following users are identified as the targeted user of the system:-

1. Students of the college or organization.
2. Teachers of the college who can upload attendance based on the subjects they teach.
3. Parents who can view the attendance of students and feedback given by the teachers.
4. **TECHNICAL PLATFORM:**

|  |  |
| --- | --- |
| **Operating System:** | Windows XP,Windows 7, Windows 8, Windows 10 |
| **Language Requirements**: | Java, J2EE |
| **Web Browser:** | G Google Chrome, Mozilla Firefox, IE ver. 7 and above |
| **Database Technology:** | Oracle 11g |
| **Tools & Development:** | Ne Eclipse, HTML, CSS, Java Server Pages |