Abstract

Educational institutions are facing challenges in managing student data, such as Attendance, Submissions (Assignments and Practical), Timetable and Submission Report. Manual data entry and processing can be time-consuming, error-prone, and inefficient.

We have designed our Web Application to address the administrative and data management needs of educational institutions. It computerizes and automates student data management including Attendance, Submissions (Assignments and Practical), Timetable and Submission Report reducing manual workloads and errors. This system is a tool designed to keep track of students presence in classes or educational institutions. It helps teachers and administrators to efficiently monitor and manage attendance records. The main purpose of such a system is to streamline the process of taking attendance by replacing manual methods like paper registers or calling out names with digital platforms for quick and accurate recording. This saves time and reduces the chances of errors in attendance tracking.

List of Figures

Fig. No	Figure Name	Page No
4.1	System Diagram	7
4.2	Data Flow Diagram	8
5.2.1	Admin Module Design	12
5.2.2	Faculty Module Design	13
5.2.3	Student Module Design	14
5.3	ER Diagram	14
6.1.1	Admin Module - Login	18
6.1.2	Admin Module - Admin Dashboard	19
6.1.3	Admin Module - Add Timetable (1)	20
6.1.4	Admin Module - Add Timetable (2)	20
6.1.5	Admin Module - View Timetable	21
6.1.6	Admin Module - Timetable	22
6.1.7	Admin Module – Add Teachers	22
6.1.8	Admin Modules - Add No Dues	23
6.2.1	Teacher Module – Welcome page	24
6.2.2	Teacher Module – Taking Attendance	25
6.2.3	Teacher Module – Show Students List	26
6.2.4	Teacher Module – Save Attendance Confirmation	26
6.2.5	Teacher Module – View Attendance	27
6.2.6	Teacher Module – Attendance Update	28
6.2.7	Teacher Module – Save Updated Attendance Confirmation	29
6.2.8	Teacher Module – Show Attendance Percentage	29
6.2.9	Teacher Module – Teacher's Timetable	30
6.2.10	Teacher Module – Submission	31
6.2.11	Teacher Module – Submission (Term Work)	32
6.2.12	Teacher Module – Save Submission	32
6.3.1	Student Module – View Timetable	33
6.3.2	Student Module – Attendance Report	34

6.3.3	Student Module - Submission Report	365
6.3.4	Student Module – Notice	35
6.3.5	Student Module – View Profile	36

List of Tables

Table No.	Title	Page No
2.1	Excel Sheet – Study of existing system	3
5	Database Schema	16
6.4.1	Test Cases: Teacher and Admin login form	38
6.4.2	Test Cases: Admin Module	39
6.4.3	Test Cases: Teacher module take attendance and view timetable	40
6.4.4	Test Cases: Student Module	41
6.4.5	Defect Report	43

