LEARNING MANAGEMENT SYSTEM

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Name of the organization

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Front-end and back-end tools used

Front-end : HTML 4

           : CSS 3

           : javascript ECMA script 2020

Back-end   : PHP 8.2

           : mysql 8.0.3

INTRODUCTION

- LMS is a web application
- Used to manage learning process
- Also manages student and teachers

EXISTING SYSTEM

- Learning materials are shared through google classroom, whatsapp, gmail etc.
- Attendance are marked in registers
- Internal marks are stored manually in excel sheet or papers
- Doubts are clarified on the other day or when the teacher is available.

PROPOSED SYSTEM

- Centralization of learning materials
- Internal marks are stored in the system for later purposes
- Attendance can be stored in the system on a daily basis
- Provide assignments to students
- Question bank repository
- Quizzes
- Doubts are cleared through the system
- AI support for basic queries of students
- Report card generation

MODULES

1. Upload study materials
2. Record internal marks
3. Mark the attendance
4. Report card generation
5. Assignment
6. Quiz

Upload study materials

The study materials are uploaded to the system in pdf format and students can access the system.

Input: pdf document

Processing: The document is stored into the database along with its subject code, date of upload, teacher id.

Output: Student gets notified as new material is uploaded.

Record internal marks

The internal marks of each student is added to the system.

Input: subject name, internal mark, student name

Processing: The internal marks of each student of that specific subject is added by the corresponding teacher. The marks are stored along with the subject id student id.

Output: Teacher gets notified as the marks are updated

Mark the attendance

The attendance of each student is marked on a daily basis.

Input: Attendance of the student

Processing: The attendance is stored to the system along with the current date

Output: Teacher gets notified as the attendance is stored

Report card generation

The detailed report of each student is generated.

Input: Student name

Processing: Detailed report is generated using the marks, attendance

Output: A report card is generated.

Assignment

Teachers will be able to give assignments to students. Teachers will also be able to review the assignments

Input: Assignment title, assignment description, due date, assignment file(if any)

Processing: Assignment title, description, due date and file are stored in the database. Assignment is assigned to the students of that class.

Output: Teachers are notified as assignment assigned. Students gets notified for new assignments.

Quiz

Teachers will be able to conduct quiz in the class. Student can attend the quiz and teachers can evaluate their performance

Input: quiz name, quiz question, three wrong answer, a correct answer.

Processing: Quiz details are stored in the database. Quiz is assigned to students in the class.

Output: Teachers will be able to see the results by rank. Students can view their result.

CONCLUSION

LMS can be effective during student's learning path. Student can access learning material under a single platform. Assignments can be assigned to the students, attendance can be marked daily, lms supports for student learning through easy clarification of doubts.

REFERENCE

- *Moodle:* Moodle is a widely used open-source LMS that offers a range of features for creating and managing online courses. It has a large and active community that provides support and extensive documentation.
- *Canvas:* Canvas is a cloud-based LMS used by many educational institutions and organizations. It offers various tools for course creation, communication, and assessment. Canvas has gained popularity for its user-friendly interface.
- *Learning Management System (LMS) among University Students: Does It Work?*https://www.researchgate.net/publication/269838611_Learning_Management_System_LMS_among_University_Students_Does_It_Work

Thank you...!