

ONLINE TUTOR MANAGEMENT SYSTEM

INTRODUCTION

In the digital world taking classes in the classroom are reduced because of the development of the internet. These days the internet-based learning platform is huge demand in business marketing. Tutor management system is a project provide students an online portal to book tutor easily and at an affordable cost. This allows the student to find tuition teacher . They can check for the request for a demo lecture and accept the request. This application shows how many tutor available at the cost so that student can select their preferable choice. By doing this student from poverty family can select the lowest fees to have tuition with a standard level of quality tutor, only qualified people can be register as tutor. In this application by selecting based on their resume and certificate. This system reduces the cost workforce required and also save the student time. It includes process like registration of the student and tutor details. As the system is online the information is globally present to everyone. This makes the system easy to handle and feasible for finding the omission with updating at the same time.

This computerized system stores all the data in the database which makes it easy to fetch and update whenever needed.

Objectives

The main objectives are

- Online tutoring facilitates the student to chart out this program according to their own preferences.
- Flexibility of timing in online tutoring doesn't force the student cancel or postponed their important engagement.
- Be easy to operate
- All it requires is to have a good internet connection to run it without any problem.
- It helps to save the time and efforts.

- It is really easy to understand both for the user and operators.

TOOLS / PLATFORM:

The following requirements are only the minimal requirements to run this utility more successfully and efficiently, there should be sufficient memory and software tools for efficient processing.

HARDWARE ENVIRONMENT

Processor : Intel i3 or above
Hard disk : 512 GB and above RAM
: 4 GB or above

SOFTWARE ENVIRONMENT

OS : Windows 8 or above
Front End : Html, CSS, Bootstrap, JavaScript
Back End : python, java
Database : MySQL
IDE : Android Studio /Jet Brains PyCharm

PROBLEM DEFINITION

Large amount of paper work is needed to accomplish the task in the current system and more time is needed to perpetuate necessary record. This system is used far and wide and request lot of human efforts and interaction is needed to maintain the records. There is a chance of data loss in case of any physical damage to encountered or in case of any natural disaster. It is decentralized hence asymmetric way of storing the data. User has to wait in the queue to get his details and he has to visit the centre, therefore it will take more time. In this case data manipulation, data hacking can be done easily. There is low level of data security and high level of data threatening. There is no transparency regarding the student information.

INITIAL REQUIREMENTS

The initial requirements for establishing an online tuition teacher management system encompass a range of crucial elements and functionalities. These include the development of a user-friendly web or mobile platform accessible from various devices and browsers. A secure database is essential for storing teacher profiles, student information, schedules, and records. User registration and profiles for teachers, students, and administrators need to be created, along with a comprehensive teacher recruitment process and onboarding system. A sophisticated scheduling and matching algorithm must be in place to pair students with suitable teachers based on specific criteria. Communication tools, such as messaging and video conferencing, are integral for facilitating teacherstudent interactions, while a feedback system helps gauge teacher performance. Administrative tools, payment processing, and security measures are paramount, as is compliance with data privacy regulations. Additionally, support systems, marketing strategies, and budgeting plans ensure a successful launch and ongoing operation of the platform. These initial requirements serve as the blueprint for creating a robust online tuition teacher management system.

BASIC FUNCTIONALITIES:

MODULES

- Teacher
- Student
- Admin

STUDENT MODULES

FUNCTIONS:

- Sign up
- Login
- View profile
- Sent feedback
- View teacher and sent request
- View status
- Chat with teacher
- Examination
- Refer study material
- Pay Tution fee

TEACHER MODULE

FUNCTIONS:

- Sign up
- Login
- View profile
- Student management
- Add schedule/instructions
- Chat with student
- View request and accept/reject the request
- Examination
- Upload study material
- Course
- View salary details

ADMIN MODULE

ADMIN FUNCTIONS

- Login
- Approve/reject teacher
- View approved teacher
- View feedback and rating
- View schedule
- View student
- View payment history
- Manage salary details
- Reply to complaints
- Give instructions