Title : AC Repairing System

Abstract:

The AC Repairing System using PHP and MySQL is a web-based application designed to streamline and automate the process of managing and tracking air conditioning repair requests. This system provides a user-friendly interface for both customers and technicians, facilitating efficient communication and workflow management.

Key Features:

1. User Authentication:

- The system ensures secure access with user authentication for both customers and technicians. Users can register and log in to the system to access specific features based on their roles.

2. Customer Request Submission:

- Customers can easily submit AC repair requests through a user-friendly interface. They provide essential details such as the nature of the problem, location, and contact information.

3. Dashboard for Technicians:

- Technicians have a dedicated dashboard where they can view and manage assigned repair tasks. The dashboard provides an overview of pending, ongoing, and completed repairs, ensuring efficient task prioritization.

4. Real-time Updates:

- Customers receive real-time updates on the status of their repair requests. Notifications are sent when a technician is assigned, when the repair is in progress, and when it is completed.

5. Technician Assignment Algorithm:

- The system employs an intelligent algorithm to assign the most suitable technician based on factors such as expertise, location, and workload. This ensures optimal resource utilization and quick response times.

6. Inventory Management:

- A comprehensive inventory management system helps track the availability of spare parts and equipment. Technicians can easily request and manage inventory, reducing delays in repair processes.

7. Communication Module:

- A built-in communication module allows seamless communication between customers and technicians. Customers can inquire about the status of their repairs, and technicians can request additional information if needed.

8. Service History and Reporting:

- The system maintains a service history for each customer, including details of past repairs and maintenance. Reporting tools provide insights into repair trends, helping in decision-making and future planning.

9. Admin Panel:

- An admin panel provides system administrators with the capability to manage user accounts, monitor system activity, and generate reports. Admins can also configure system settings and oversee overall system health.

10. Scalability and Maintenance:

- The system is designed to be scalable, allowing for the addition of new features and modules. Regular updates and maintenance ensure optimal performance and security.

The AC Repairing System using PHP and MySQL enhances the efficiency and transparency of air conditioning repair processes. It optimizes resource allocation, improves communication, and provides a centralized platform for effective management of repair requests.

**Brief overview of the technology**

1. **HTML:** HTML is used to create and save web document. E.g. Notepad/Notepad++
2. **CSS :** (Cascading Style Sheets) Create attractive Layout
3. **JavaScript:** it is a programming language, commonly use with web browsers.

**Back end: PHP, MySQL**

1. **PHP:** Hypertext Preprocessor (PHP) is a technology that allows software developers to create dynamically generated web pages, in HTML, XML, or other document types, as per client request.PHP is open source software.
2. **MySQL:** MySql is a database, widely used for accessing querying, updating, and managing data in databases.

**Software Requirement (any one)**

1. WAMP Server
2. XAMPP Server
3. MAMP Server
4. LAMP Server

**Welcome to – BCA MCA Complete Project**

**We provide all Readymade Projects**

Projects for: BCA / BCCA / MCA / MCM -3000/- Only (No Hidden Cost)

Projects for: BBA / MBA / M.COM – 2000/- Only (No Hidden Cost)

**What We Provide:**

1. Project Softcopy

2. Project Hardcopy

3. Project CD

4. Project Demo (At time of Final Viva)

**Why PROJECTS READY?**

1. Projects are tested by professionals and only approved and tested projects are listed here for sale.

2. Project Report and documentation are as per university standard.

3. Project can be used for submission of mini or final yesr project for BE, ME, B Tech, BCA, MCA, MBA, BSc-IT, MS, BIT, ADIT, DOEACC, IGNOU, SMU, YCMOU.

4. Project price starts from Rs. 1500/- which includes installation guide, complete source code, Dummy Database, detail Project Reports, Synopsis, and Video Demo.

**Contact:**

**VSoft Technology**

**68, Pathan Layout, Sambhaji Nagar, Nagpur**

**Mo: 8830288685 / 9970405007**