MAIN PROJECT ABSTRACT

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ABSTRACT

Kerala State Electricity Board Management System is a web application to manage all KSEB services which used by the consumers and corresponding employees. It provides services in a quick time according to the requirements. It also provides a convenient method of get services in online mode. This system provides consistency of data and develops the user friendly and interactive website which will reduce the paper works, faster and easy work and save the time. The consumers and KSEB employees can also reduce the time and effort. Consumers can easily find services and also employees can easily provide best services.

In this system there are mainly four users: Admin, Consumers, Meter Reader, Overseer and Sub-Engineers. Admin is the one who manages all the accounts and this system. Consumers can find the employees nearby them and can send request for different services. Both Meter Reader and Overseer can see the service accessed by the consumers, he/she can provide services or direct contact with consumers those who have any service delays.so that he/she can understand the actual requirements of the consumer and prepare a detailed estimate ofthe service request and provide the services. When the Overseer gets a new electricity request from any user. They visit their site and check it out is that request is from a genuine source. This system is made to help both consumers and employees of KSEB for an easy and convenient way to get and provide services. This system has all the features that are required by the consumer and also has all the functions that are needed by the employees to provide better services.

Extending Functionalities are:

CONSUMER

Functions

- Payment Gateway
- Detailed Bill

METER READER

Functions

- Report Generation

OVERSEER

- Accept Report from meter reader
- Report Generation

SUB-ENGINEER

- Accept Report

ASSISTANT EXECUTIVE ENGINEER

- View New Connection Requests and Verify.
- Approve Leave

SOFTWARE SPECIFICATION

In software engineering, the terms front end and back end refer to the separation of concerns between the presentation layer (front end), and the data access layer (back end) of a piece of software, or the physical infrastructure or hardware. In the proposed project we use HTML, CSS, Ajax etc. as Front end and PHP, JAVA as backend software's.

HTML:

- HTML, Hyper Text Mark-up Language, gives content structure and meaning by defining that content as, for example, headings, paragraphs, or images.
- XHTML is a variant of HTML that uses the syntax of XML, the Extensible Markup Language.
- XHTML has all the same elements (for paragraphs, etc.) as the HTML variant, but the syntax is slightly different. Because XHTML is an XML application, you can use other XML tools with it.

CSS:

- CSS or Cascading Style Sheets is a presentation language created to style the appearance of content— using, for example, fonts or colors.
- The separation of HTML from CSS makes it easier to maintain sites, share style sheets across pages, and tailor pages to different environments.
- It allows one to adapt the presentation to different types of devices, such as large screens, small screens, or printers. CSS is independent of HTML and can be used with any XML- based markup language.

AJAX:

- AJAX is a web development technique for creating interactive web applications.
- Browser-based presentation using HTML and Cascading Style Sheets.
- Data is stored in XML format and fetched from the server.

- Behind-the-scenes data fetches using XMLHttpRequest objects in the browser.
- JavaScript to make everything happen.

Back End Software:

PHP:

- It is open-source scripting language so you can free download this and use.
- PHP is a server site scripting language.
- It is open-source scripting language.
- It is widely used all over the world.
- It is faster than other scripting language.

JAVA:

- Java is an Object-Oriented programming language
- Unlike C++ which is semi object-oriented, Java is a fully object-oriented programming language.
- It has all OOP features such as abstraction, encapsulation, inheritance and polymorphism.