Final Report



INDIAN ELECTRICITY WEBSITE

**Section : K19HA Group : 1**

Internet Programming Laboratory

(CSE 326)

By

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**Submitted to Miss. Manu Bali**

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**Declaration**

We hereby declare that the project report entitled “**INDIAN ELECTRICITY WEBSITE**” is submitted by our team for partial fulfilment of requirements for the award of degree in **Bachelor of Technology in Computer Science and Engineering** to Lovely Professional University, this is our original work and has been completed under the guidance of our **Professor Miss Manu Bali**.

**Acknowledgement**

Our team would like to thank our **Professor**

**Miss Manu Bali** for assigning this task of creating a website on ***INDIAN ELECTRICITY WEBSITE.***

she provided us guidelines for developing this website. Also, our team work lead us to this successful project.

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**Introduction**

An  **INDIAN ELECTRICITY**  WEBSITE conserned about mainy introduction of indian consumption of electricity,

electricity consuption bill,how to join with this websites,contacts of officers related to electricity department,awareness of government on conservastion of electricity.

**Problem description**

We got a project to make this website. Problem we got are as follows:

* **How to approach?**

Ans :- So we all 3 team members discuss about structure and design regarding our webpage and we decided to make our site very lite and simple so that everyone one can easily navigate. So, we designed some rough designs on papers of our webpage and started our work by distributing works to each other.

* **Difficulties during making webpages?**

Ans :- When we all started making our webpages we smoothly did our HTML part, but when we come to CSS we are now getting stuck after some steps because we are doing it first time. But thanks to our *Prof. Manu Bali* *Ma’am* they had teach us well and also told us we will encounter many new codes at the time of making project and exactly that happens. We started finding it hard to make webpages as same we design on paper before so we started studying more and digging more about CSS and we learn more code and property from a very famous site W3school from there we learned many things and it help us a lot in learning CSS. We generally searched for a way how to do this and study that and then apply that thing in our projects.

About HTML:

Hypertext Markup Language (HTML) is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a webpage semantically and originally included cues for the appearance of the document.

HTML elements are the building blocks of HTML pages.

About CSS:

Hypertext Markup Language (HTML) is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as ***Cascading Style Sheets (CSS)*** and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

HTML elements are the building blocks of HTML pages.

About JAVASCRIPT:

**JavaScript** often abbreviated as **JS**, is a programming language that conforms to the ECMAScript specification. JavaScript is high-level, often just-in-time compiled, and multi-paradigm. It has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions.

Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web. JavaScript enables interactive web pages and is an essential part of web application. The vast majority of websites use it for client-side page behaviour, and all major web browsers have a dedicated JavaScript engine to execute it.

**Photos:**



**Functionality:**

**About Program:** The program is created for an electricity bill consumption website, we start with a login page which contains FAQs, facts and many other things with, ofcourse, the login details.

**Tags used in the program:**

* <html>: - This tag is used as the opening tag for an html file, the whole of program exists between this tag.
* <head>: - This tag in HTML is used to define the head portion of the document which contains information related to the document. The <head> tag contains other head elements such as <title>, <meta>, <link>, <style> etc.
* <body>: - This tag contains the whole program, as in, the elements or tags which are building blocks of our website, the modifications of program take place between the opening and closing of this tag.
* <center>: - The tag is used to align the text or links in the center of the webpage. There are many other alignments which can be used in the code, for instance, aligning the text on the right side of the page, by default the text is aligned to the left side.
* <a>: - The <a> tag defines a hyperlink, which is used to link from one page to another. The most important attribute of the <a> element is the href(hypertext reference) attribute, which indicates the link's destination. By default, links will appear as follows in all browsers: An unvisited link is underlined and blue.
* <br>: - The HTML <br> tag defines a line break. The <br> tag is empty, which means that the closing tag isn’t required. It is useful for writing addresses, poems or song lyrics.
* <table>: - This tag is used to form tables in the webpage, it has different attributes, for instance, align, border, colour, which defines the table that has been desired.
* <th>: - The HTML <th> tag defines a header cell that can appear in the first row of an HTML table. Browsers traditionally render the text found within the <th> tag as bold, center-aligned text. This tag is also commonly referred to as the <th> element in HTML 5.0.
* <tr>: - The <tr> tag specifies a row in an HTML table. The tag supports the colspan attribute for additional control over how cells span across or fit into columns. This attribute allows defining how many columns wide the cell must be (the default being 1). You can use the rowspan attribute on cells if you want to specify that they must span more than one row.

10)<td>: - The HTML **<td> tag** defines a standard cell in an HTML table. It will contain data for the table, and not table headings. This tag is also commonly referred to as the <td> element.

11) <caption>: - The <caption> tag is used to define the header of the table. The tag itself must be inside the <table> element immediately after the opening (<table>) tag, and it must be the first child of its parent <table> element. It is possible to define only one caption per table. When the <table> element containing <caption> is the only descendant of the <figure> element, you must use the <figcaption> element instead of <caption>.By default, a table caption is center-aligned above a table. But it is possible to use the text-align and caption-side properties to align and place the caption.

12) <colspan>: - The colspan attribute in HTML specifies the number of columns a cell should span. It allows the single table cell to span the width of more than one cell or column. It provides the same functionality as “merge cell” in the spreadsheet program like Excel.

13)<rowspan>: - The rowspan attribute in HTML specifies the number of rows a cell should span. That is if a row spans two rows, it means it will take up the space of two rows in that table. It allows the single table cell to span the height of more than one cell or row.

14)<cellpadding>: - Cellpadding is a term used in the computer language HTML which stands for Hypertext Markup Language. When used in conjunction with the table element, it specifies the amount of space between the border of a table cell and its contents and is specified along the table tag.

15)<cellspacing>: - Cellspacing is a command attribute that involves setting a number of pixels between each cell in a table. One of the most common uses of cellspacing is in Web design. Here, designers can use Cascading Style Sheets (CSS) to change spacing with a "border-spacing" command.

Bibliography

* [www.w3schools.com](http://www.w3schools.com/)
* Wikipedia
* HTML 5, CSS, JAVASCRIPT by Krogent Learning, Dreamtech Press.