DOCUMENTATION

CSP301

Assignment 2

# Website for the Analysis of the 15th Lok Sabha

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**Requirements:**

The website is designed for the user to understand the state of our present 15th Lok Sabha. The website runs best on a screen resolution of 1366 into 760 pixels, on Google Chrome or Mozilla Firefox. The website is named Community-Watch, for the plain and simple fact that, the community can keep a track on their MP.The other features of the website are covered in Architecture/Design section of the Documentation.

**Architecture/Design**

The website has been designed using the following languages:

* HTML
* CSS
* JavaScript

Google charts have been used to represent the Visualizations. The data required for the visualizations has been put up on Google docs and is made open to anyone so that the website can run anywhere and everywhere. The Website is Dynamic in the sense that the user needs an Internet Connection to connect to Google Database, and also, the user can play with graphs and chose his method of analysis to understand the data and the state of our Lok Sabha. The transitions in the website are done using Cascading Style Sheets and JavaScript.

The website is only designed for a purpose of Undergraduate Project, and any result of the visualizations of the website is the work our group.

The Design of the website has been kept interactive and user-friendly. It has smooth transition between and within pages. The main page of the website consist of six sections:

* Home
* Parliamentary Composition
* Do Your Own Analysis
* Hypothesis
* Find your MP
* Mash up

For understanding the purpose and working of the above six sections, follow the “End User” part of the Documentation.

**Technicality**

The transitions of the website are done mainly in CSS, and issue of compatibility for different browsers has been taken care of by defining the transitions for various Web browsers. The various templates of the website have been kept in different folders for the purpose of modularity and code reuse.

Google Charts have been used using query language which makes it simple to use the database. The visualizations for every sub topic has been designed using a new html file which makes it easy at the back end to shift the positions of various visualizations in our website easily and effectively. Also the various templates and chart codes can be used for future purpose since they are modular, and the idea of code reusability had been kept throughout the making of the assignment.

**End User**

The user can read the following and understand as to exactly how to use the various sections of the website to extract the best out of it. You can navigate between the pages of our website by clicking on a bottom tab.

* **Home**

The home page consists of a header, a side tab and a

central picture navigator. Hovering on the header shows the underlined heading. The side tab can be used to view the report, references used for the website, and the members of our group along with our email id. The Picture navigator has pictures along with textual information on some slides. User can navigate between the slides by clicking on the scroller on the bottom

* **Parliamentary Composition**

The Composition of our Parliament can be understood

under five different

topics as given on this page. Clicking on any of the five headings opens the corresponding visualization in the space below the headings

* **Do Your Own Analysis**

This section is interactive with the user. The user can

decide to choose for analysis between, by state or by major political parties in India. the criteria for choosing the major political party has been their strength. After choosing between state and party, the user can chose analysis on the basis of following:

1. Age
2. Attendance
3. Educatonal Qualification
4. Questions Asked in Lok Sabha
5. Debates Participated in Lok Sabha
6. Bills Presented

The user can select between seeing the table,

visualization or the Map of India to understand the analysis.

* **Hypothesis**

The section contains six Hypothesis about the state of

Lok Sabha, and their correctness based n t-test. the user can click on the buttons along with Hypothesis to see the picture and the truthfulness of the Hypothesis.

* **Find Your MP**

There is an entire list of MPs of India along with their

data provided for the user. The user can filter out the table using state, party and name of the MP.