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| <b>Date</b>          | <b>02 – 11-2023</b>   |
| <b>Team Id</b>       | <b>NM202023TMID09683</b>  |
| <b>Project Title</b> | <b>A Quantitative Analysis of Candidates in 2019 Lok Sabha Election</b> |

## Requirement Analysis (Functional, Operational, Technical) / Flow Charts

**Microsoft Excel** is a software tool that is used for tasks such as cleaning, manipulating, and formatting data.

**IBM cognos** is a software tool that is utilized to create visually appealing and interactive visualizations, dashboards, and stories.

**Flask** is a web framework based on Python, used for deploying web applications. It enables the creation of a web server to host cognos visualizations and provides users with an interface to interact with the data.

**Bootstrap** is a framework that offers pre-designed templates, responsive components, and styling options. It allows the development of visually appealing and mobile-friendly user interfaces for Flask applications.

**HTML, CSS, and JavaScript** are essential web development languages. HTML is used for structuring web pages, CSS is employed for styling and layout, and JavaScript adds interactivity and dynamic behavior to web applications.

### 1. Experimental Investigation

During the project, various investigations are conducted to analyze the data and derive meaningful insights. These investigations may include data preprocessing steps such as cleaning and transforming the data, exploratory data analysis to understand the distribution and relationships between variables, statistical modeling techniques to identify significant factors influencing electoral outcomes, sentiment analysis of social media data to gauge public sentiment towards candidates, and visualization of results using graphs, charts, and other visual representations.

## FLOW CHART

### ▲ 5. Flowchart

