Project Design Phase-I

Proposed Solution

Date	26 September 2023
Project Name	BIG DATA ANALYSIS

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To help predict the whether conditions of climate trends and social media trends of social patterns. To analysis and visualize the results of predictive values of big data analysis.
2.	Idea / Solution description	To Create an Interactive Dashboard, responsive design for identifying buisness intlelligents, analyzing climate trends and understanding whether conditions.
3.	Novelty / Uniqueness	Analysis of big data from social trends, whether conditions and explore the dataset, predictive values and visualizing the results for business intalligence.

4.	Social Impact / Customer Satisfaction		Bigdata analyhelps the social trends to understand customers' preferences and other maintenance issues. For instance, analysis of social trends helps the business intalligence the customers with social patterns while optimizing the dataset using predictive analysis techniques. As a result, by gathering meaningful data, dataset can fetch more social trends in the given timeframe.
5.	Business Model (Revenue Model)		Data-infused business models are allowing companies to stay ahead of the competition and create services that offer more value to customers. By using artificial intelligence and data analytics tools, organizations can predict customer needs, identify market trends, and create innovative strategies for success.
6.	Scalability of the Solution		Investing in scalable data solutions is essential for organizations dealing with large volumes of data. They provide a cost-effective and efficient way to store, process, and analyze data, enabling organizations to make data-driven decisions, reduce costs, be competitive, and enhance the customer experience.

Date	26 sep 2023
Team ID	
Project Name	Bigdata analysis:climate trends and social patterns
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.
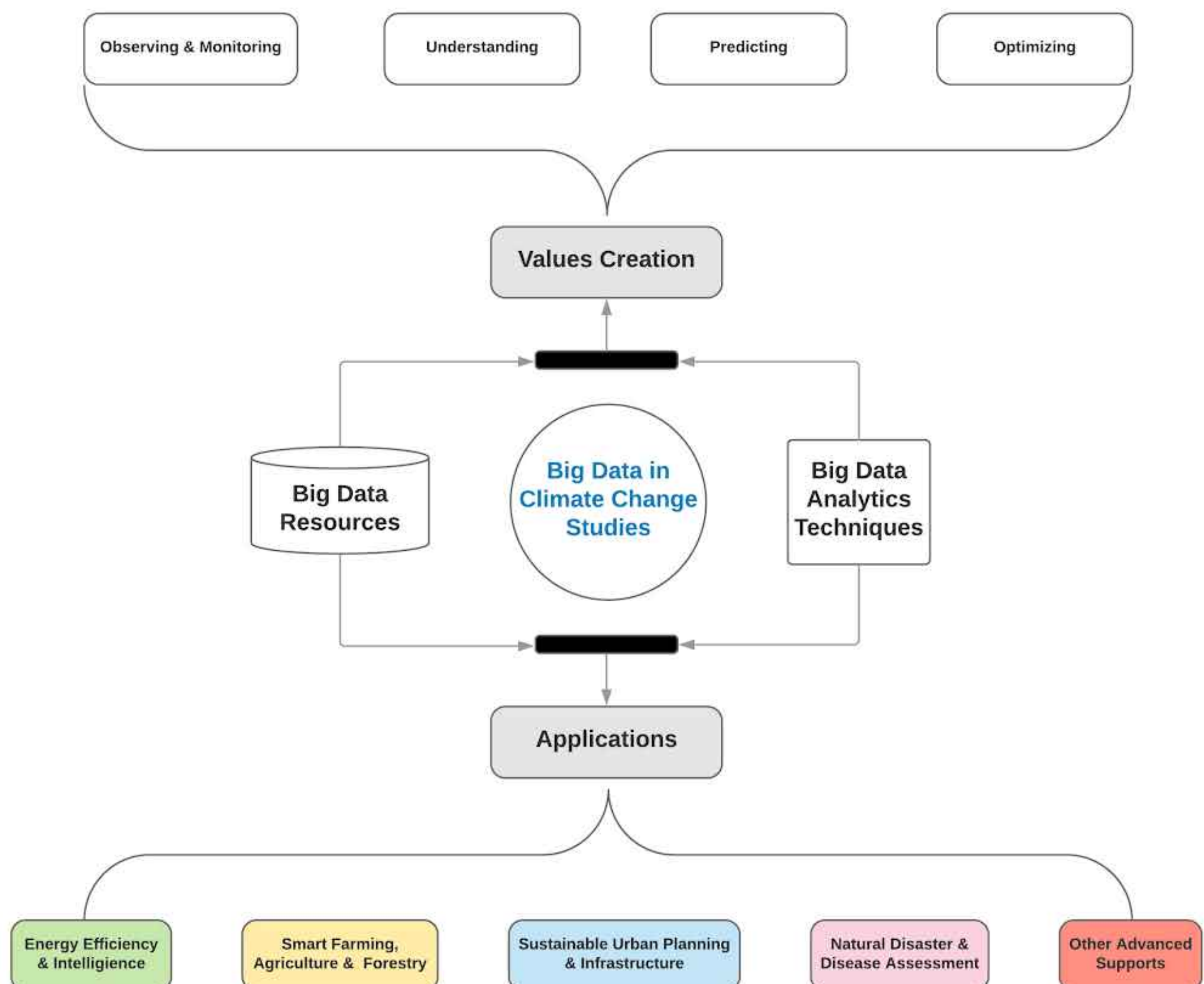
Example - Solution Architecture Diagram:

Figure 1: Architecture and data flow of Big data analysis:clim climate trends

Ideation Phase

Empathize & Discover

Date	26sep 2023
Team ID	
Project Name	Big data analysis: climate trends
Maximum Marks	4 Marks

Empathy Map Canvas:

An empathy map is a simple, easy-to-digest visual that captures knowledge about a user's behaviours and attitudes.

It is a useful tool to helps teams better understand their users. Creating an effective solution requires understanding the true problem and the person who is experiencing it. The exercise of creating the map helps participants consider things from the user's perspective along with his or her goals and challenges.

Example