

## Ideation Phase

### Empathize & Discover

Date	1 NOVEMBER 2023
Team ID	Team-591645
Project Name	Diabetes Prediction Using Machine Learning
Maximum Marks	4 Marks

#### **Empathy Map Canvas:**

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

It is a useful tool to help 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.

#### **Problem Statement:**

**"Improving the early detection of diabetes using machine learning to enhance patient outcomes and simplify monitoring and management."**

In this project, we aim to use machine learning algorithms to predict the onset of diabetes in individuals based on their health records and other relevant factors such as age, BMI, family history, and lifestyle habits. The dataset used in this project will include information on various clinical parameters such as blood pressure, BMI, Heart diseases and cholesterol levels.

Our goal is to develop a predictive model that can accurately identify individuals who are at high risk of developing diabetes, thereby allowing for early intervention and prevention of the disease. By using machine learning techniques to analyze large amounts of data, we can identify patterns and make accurate predictions that could potentially save lives.

Overall, this project has the potential to contribute to the field of healthcare by improving early detection and prevention of diabetes, ultimately leading to better health outcomes for individuals and communities.

#### **Reference:**

<https://app.mural.co/t/aiml3182/m/aiml3182/1698831903030/134f5459c44ae220956371faf91035f66ca5fb07?sender=ue95577fd55fedcd1d8c77370>

EMPATHY MAPPING:

