**1**



### Define your problem statement

#### .

##### 5 minutes

**2**

### Brainstorm

##### 10 minutes

**3**

### Group ideas

##### 20 minutes

**4**

### Prioritize

**20 minutes**

**Team Lead Anusheya**

**PROBLEM**

Diabetic retinopathy is the most common microvascular complication in diabetes. The evaluation is currently performed by medical experts based on the fundus or retinal images of the patient’s eyes. As the number of patients with diabetes is rapidly increasing, the number of retinal images produced by the screening programmes will also increase, which in turn introduces a large labor-intensive burden on the medical experts as well as cost to the healthcare services.

**Team member Pavithra**

# Need to be done by the patient

## 

Getting the medical detail of the patient

Recommending for regular health checkup

Create a detailed report for the patitent

Train the CNN model

Showing result at the time of prediction.

Asking their Medical Details to examine the patient.

Close examination of diabetic patients

Analyzing pattern of symptoms among the patients

Examine the images for linearity

working with images from any format

conscious about the food habits

close examination of diabetic patients

Keep diabetics and BP control.

Recommending for regular doctor checkup.

Doing eye exercise.

Use machine learning algorithms for detection.

Analysis the fundus image for Conclusion.

**Team member Helan Joice**

**Team member Kavitha**

Conscious about food habits

Eye checkups at regular intervals

Analysis of the fundus images

# Technical developemnt

Create the login page with

Bio metric for user security.

Showing the various Retina images for user reference.

Final product and language

Keep diabetics and BP under control

Suggest the optimal blood sugar level

**Importance**

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

Asking their Medical Details to examine the patient.

Use machine learning algorithms for detection.

Create a detailed report for the patient

Use Machine learning algorithms for detection

Showing the results at the time of prediction

Avoid high carbs food

Python model to train the datasets

python language to train the datasets.

Analysis the fundus image for Conclusion.

Showing result at the time of prediction.

Showing the various Retina images for user reference.

**Feasibility**

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)