#### 1

**Define your problem statement**

##### What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

###### 5 minutes

**2**

#### Brainstorm

##### Write down any ideas that come to mind that address your problem statement.

###### 10 minutes

**3**

#### Group ideas

##### Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

###### 20 minutes

**4**

#### Prioritize

##### Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

###### 20 minutes

Optical coherence tomgraphy

**PROBLEM**

**How might we detect diabetic retinopathy?**

**Surya**

Injecting medications int the eye

Use machine learning algorithms for detection

## Sakthishwaran

AI can be used for diagnosing

Use python for model

Maintain insulin levels

Data collection for early detection

Date Analytics

Technique

Symptoms analysis

Date Analytics

Deep learning techniques are efficient

Analyzing pattern of symptoms among Dt patients

Serious eye conditions need immediate treatment

Train the fundus images

Draw conclusion from the image data

Fundus eye capture for diabetic patient

Examine fundus images for finding linearity

## Maduraiveeran

Use machine learning algorithms for detection

Analyzing pattern of symptoms among Dt patients

Create app for capture and detect fundus images

Deep learning techniques are efficient

Serious eye conditions need immediate treatment

#### Key rules of brainstorming

To run an smooth and productive session

CT scan are not efficient

Photocoagulation

Symptoms analysis

Stay in topic. Defer judgment.

Examine fundus images for finding linearity

Data collection for early detection

Draw conclusion from the image data

Encourage wild ideas. Listen to others.

Symptoms analysis

Deep learning techniques are efficient

Frequent eye examination for diabetic patients

use python for creating model

Need to be done Fundus Images

**Importance**

Frequent eye examination for diabetic patients

Fundus eye capture for diabetic patient

If each of these

Go for volume. If possible, be visual.

**Veeramani**

**Arun**

Train the fundus images

Use machine learning algorithms for detection

Frequent eye examination for diabetic patients

Serious eye conditions need immediate treatment

close examination of diabetic patients

tasks could get

done without any difficulty or cost, which would have the most positive impact?

Draw conclusion from the image data

# 

CT can be used to detect early stages

Vitrectomy treatment

close examination of diabetic patients

Controlling blood sugar levels

Comprehensive dilated exams

laser and surgical treatment

Analyzing pattern of symptoms among Dt patients

Smart fundus photography

Examine fundus images for finding linearity

### Final Product.

Create app for capture and detect fundus images

Train model for early detection

python is easy for developing

Data collection for early detection

Language.

close examination of diabetic patients



Fundus eye capture for diabetic patient

Create app for capture and detect fundus images

Smart fundus photography

Use python for model

python is easy for developing

#### Feasibility

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