


<b>Date</b>	26-09-2022
<b>Team ID</b>	PNT2022TMID24447
<b>Project Name</b>	Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy
<b>Maximum Marks</b>	4 Marks

# Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy

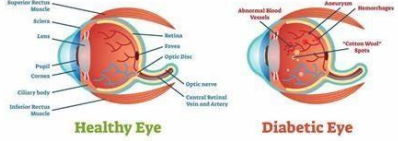
Template



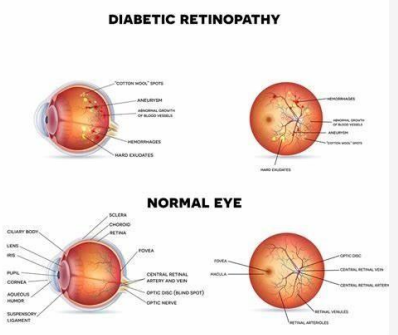
## Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

### Diabetic Retinopathy



### DIABETIC RETINOPATHY



1

### Problem statement


Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy


PROBLEM

Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy


Key rules of brainstorming

To run a smooth and productive session


 Stay in topic.

 Encourage wild ideas.

 Defer judgment.

 Listen to others.

 Go for volume.

 If possible, be visual.



2

### Brainstorm

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

10 minutes

DHARINI

MEDICINE SHOULD BE TAKEN AT THE EARLY STAGE

COLLECT DATA SET FROM HOSPITALS

USE COMPUTERIZED APPROACH

REGULAR EYE CHECK UP

SHOULD NOT PUSH THEM AWAY FROM SOCIETY

SRIASWINI

USE OF MOBILE DEVICE

BUILD APP FOR TESTING

EXERCISE FOR YOUR FITNESS

DO NOT BOMBARD THEM WITH ADVICE

CONSUMING DIET FOOD

ARCHANA

MEDITATION SHOULD BE TAKEN AT EARLIEST

USE OF COMPUTER APPROACH

REGULAR EYE CHECK UP

CONSULT DOCTOR

SIVADHARSHINI

SUGGESTION TO AVOID HIGH SUGAR FOOD

USE OF AUTOMATED SOFTWARE

INCLUDE OPTION TO DIAGNOSE OTHER EYE DISEASE

CONSULT A DOCTOR

INCLUDE OPTION TO BOMBARD OTHER EYE DISEASE

KIRUTHIKA

USING PYTHON AS UTILITY


EXERCISE TO MAINTAIN BODY FITNESS


CONSUMING DIET FOOD


MAINTAIN PROPER LEVEL OF SUGAR


CONSULT DOCTOR


STAGES OF DIABETIC RETINOPATHY

Normal

Mild

Moderate

Severe

Proliferative

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

20 minutes

TO BE FOLLOWED BY PATIENTS

BALANCED FOOD DIET

SUGGESTION TO AVOID HIGH SUGAR FOOD

ADVICE TO PATIENTS

MAINTAIN PROPER LEVEL OF SUGAR

PRODUCT FEATURES

USE OF MOBILE DEVICE

CHEAPER COST OF MANUFACTURING

USE OF IOT

USE OF PYTHON

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

Importance

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

Feasibility

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

USE OF MOBILE DEVICE

KEEP FIT

CONSUME DIET FOOD

MAINTAIN PROPER LEVEL OF SUGAR

AVOID SUGAR

VISIT DOCTOR

CHECK YOUR EYE REGULARLY

DO NOT BOMBARD THEM WITH ADVICE

DONT MENTALLY STRESS PATIENTS

DONT PUSH THEM AWAY FROM SOCIETY

USE OF IOT

USE OF AUTOMATED SOFTWARE

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the H key on the keyboard.