


Date	17-10-2022
Team ID	PNT2022TMID18647
Project Name	Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy
Maximum Marks	4 Marks

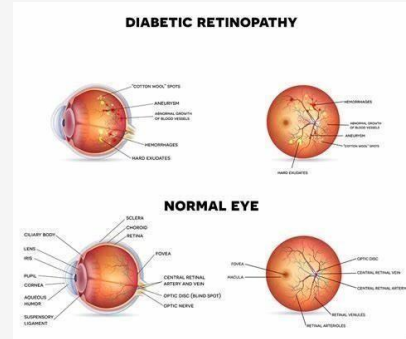
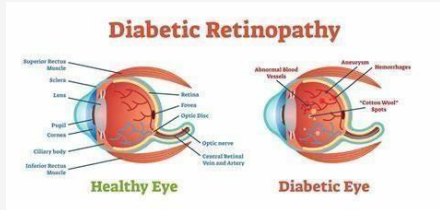
Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy

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.



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.

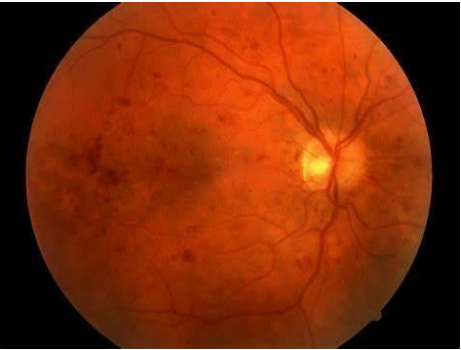
 Encourage wild ideas.

 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

ARUN

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

AKSHYA

USE OF MOBILE DEVICE

BUILD APP FOR TESTING

EXERCISE FOR YOUR FITNESS

DO NOT BOMBARD THEM WITH ADVICE

CONSUMING DIET FOOD

ANITHA

MEDITATION SHOULD BE TAKEN AT EARLIEST

USE OF COMPUTER APPROACH

REGULAR EYE CHECK UP

CONSULT DOCTOR

ASWINS

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

JASANTH

USING PYTHON AS UTILITY

EXERCISE TO MAINTAIN BODY FITNESS

CONSUMING DIET FOOD

MAINTAIN PROPER LEVEL OF SUGAR

COUNSULT DOCTOR

STAGES OF DIABETIC RETINOPATHY

Normal

Mild

Moderate

Severe

Proliferative

4

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

DO NOT BOMBARD THEM WITH ADVICE

AVOID SUGAR

VISIT DOCTOR

CHECK YOUR EYE REGULARLY

USE OF IOT

DO NOT MENTALLY STRESS PATIENTS

DO NOT PUSH THEM AWAY FROM SOCIETY

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.