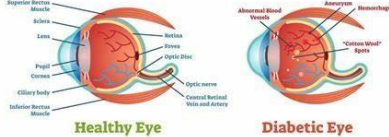| Date	26-09-2022
Team ID	PNT2022TMID17456
Project Name	Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy
Maximum Marks	4 Marks

Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy
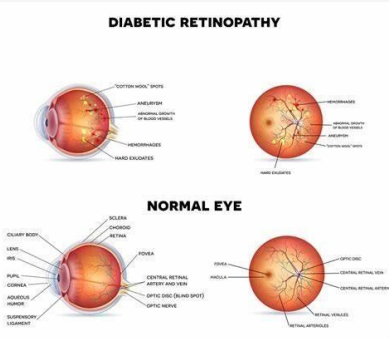
Brainstorm & idea prioritization

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

Healthy Eye — Diabetic Eye

DIABETIC RETINOPATHY

NORMAL EYE

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
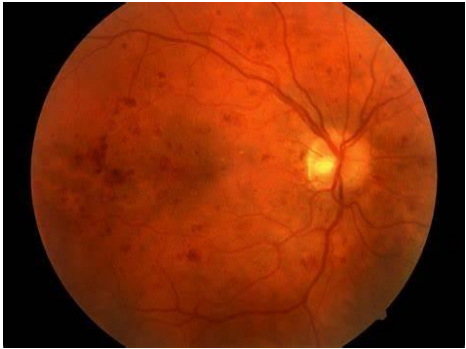To run a smooth and productive session

- Stay in topic.
- Defer judgment.
- Go for volume.
- Encourage wild ideas.
- Listen to others.
- 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
- EXCERSICE 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 OTHWR EYE DISEASE
- CONSULT A DOCTOR
- INCLUDE OPTION TO BOMBARED OTHER EYE DISESE

KIRUTHIKA
- USING PYTHON AS UTILITY
- EXCERSICE TO MAINTAIN BODY FITNESS
- CONSUMING DIET FOOD
- MAINTAIN PROPER LEVEL OF SUGAR
- COUNSULT DOCTOR

STAGES OF DIABETIC RETINOPATHY

Normal — Mild — Moderate — Severe — Proliferative

3

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 MANUFATURING
- 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 BOMBARED TTHEM WITH ADVICE
- AVOID SUGAR
- VISIT DOCTOR
- CHECK YOUR EYE REGULARLY
- 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.