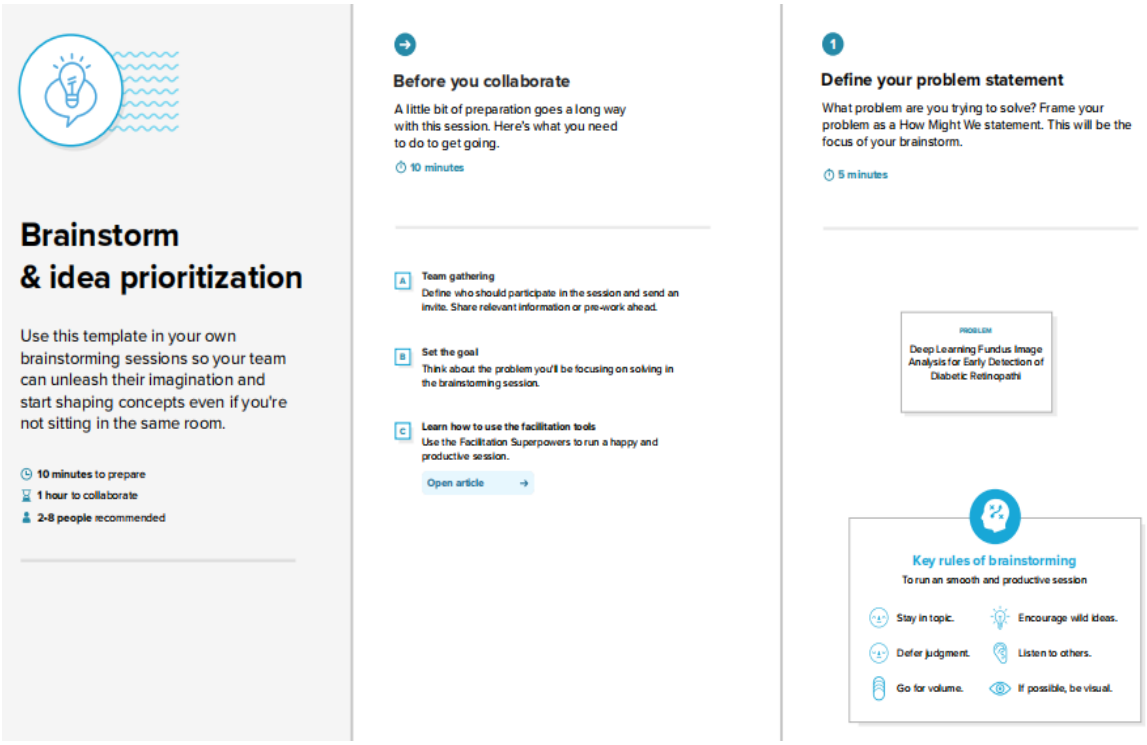
Date	19 September 2022
Team ID	PNT2022TMID51065
Project Name	Deep Learning Fundus Image Analysis For Early Detection Of Diabetic Retinopathy
Maximum Marks	4 Marks

DEEP LEARNING FUNDUS IMAGE ANALYSIS FOR EARLY DETECTION OF DIABETIC RETINOPATHY



2

Brainstorm

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

10 minutes

A.Elavarasi

We can increase the performance by training on more datasets

We can use Nano 33BLE arduino to implement

Auto encoder, sparse coding, restricted boltzmann machines are also can be used

Query driven approach can be used for heterogenous integrated data

A.Dharini

For early detection of DR, regular screening of retina is essential

Hybrid approach can be used for detection

DR can be detected by brand new framework

Waveshare OV9655 Camera can be used for image detection along with arduino

K.Dharshini

We can use the Convolutional Neural Network(CNN) for retina image detection

Using Edge Impulse, we can implement it

Optomap can be used for DR detection

High accuracy algorithms should be used for medical image analysis

B.Keerthika

DR is best diagnosed with two main methods: Fluorescein Angiography (FA) and Optical Coherence Tomography (OCT)

Using MATLAB source code, we can do this effectively

Using SVM and decision trees, images can be analysed

Retinal image scans can be used

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 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