Ideation Phase
Brainstorm & Idea Prioritization Template
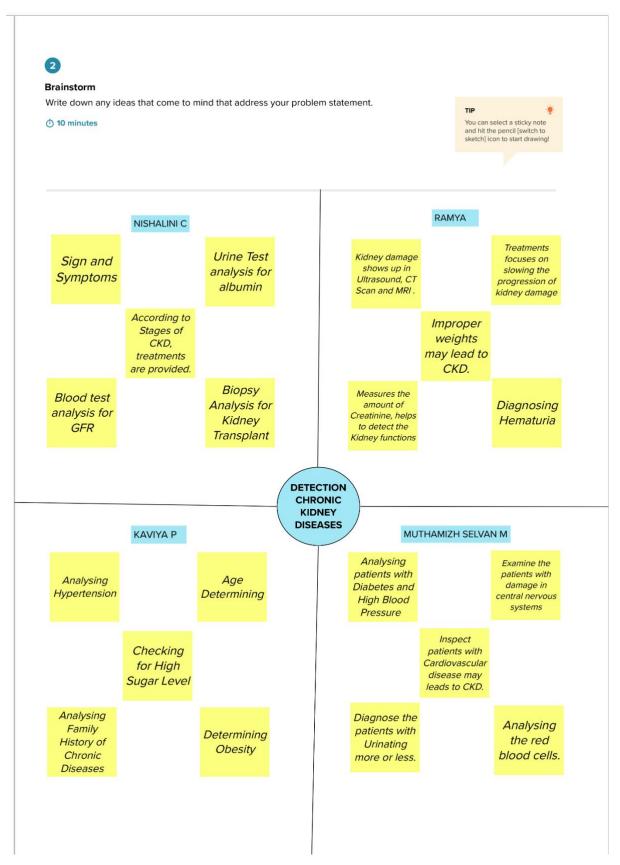
Date	17 September 2022
Team ID	PNT2022TMID07996
Project Name	Early Detection Of Chronic Kidney Disease Using Machine Learning
Maximum Marks	4 Marks

Brainstroming & Idea Prioritization:

Step-1: Team Gathering, Collaboration and Select the Problem Statement

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

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

🕐 10 minutes

NISHALINI C

Sign and Symptoms

Urine Test analysis for albumin

According to Stages of CKD, treatments are provided.

Blood test analysis for GFR

Biopsy Analysis for Kidney Transplant

RAMYA

Kidney damage shows up in Ultrasound, CT Scan and MRI .

Treatments focuses on slowing the progression of kidney damage

Improper weights may lead to CKD.

Measures the amount of Creatinine, helps to detect the Kidney functions

Diagnosing Hematuria

DETECTION CHRONIC KIDNEY DISEASES

KAVIYA P

Analysing Hypertension

Age Determining

Checking for High Sugar Level

Analysing Family History of Chronic Diseases

Determining Obesity

MUTHAMIZH SELVAN M

Analysing patients with Diabetes and High Blood Pressure

Examine the patients with damage in central nervous systems

Inspect patients with Cardiovascular disease may leads to CKD.

Diagnose the patients with Urinating more or less.

Analysing the red blood cells.

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**

PREDICTION

Blood and Urine Test Analysis

Determines the Amount of Creatinine content

BIOPSY ANALYSIS

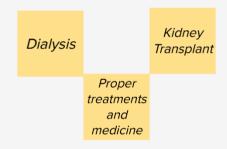*Kidney damage detection using ultrasound*
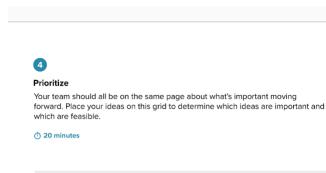
Examine the family History
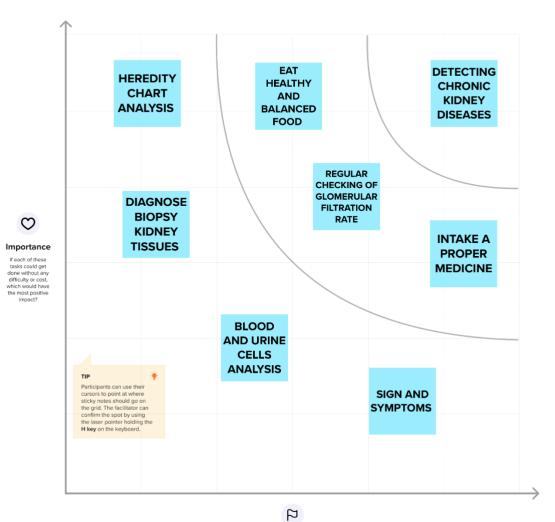
PREVENTION MEASURES

Stop Smoking

Eat a healthy food and maintanced a balanced diet

Intake a Salt less than 6g a day

Manage your Alcohol Intake (14 units) for a week

Aim to do regular exercise atleast (150 min) a week

ALTERNATIVE MEASURES

Dialysis

Kidney Transplant

Proper treatments and medicine

Step-3: Idea Prioritization

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?

HEREDITY CHART ANALYSIS

EAT HEALTHY AND BALANCED FOOD

DETECTING CHRONIC KIDNEY DISEASES

REGULAR CHECKING OF GLOMERULAR FILTRATION RATE

DIAGNOSE BIOPSY KIDNEY TISSUES

INTAKE A PROPER MEDICINE

BLOOD AND URINE CELLS ANALYSIS

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.

SIGN AND SYMPTOMS

Feasibility

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