Ideation Phase

Brainstorm & Idea Prioritization Template

DATE	12TH SEPTEMBER
TEAM ID	PNT2022TMID24928
PROJECT NAME	Statistical Machine Learning Approaches to Liver Disease Prediction
MAXIMUM MARK	4 MARKS

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Brainstorm

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

🕐 10 minutes

FREDERICK LENIN D

Reduce
time

Increase
scope in
future

Based on the
accurate
model we
designed a
system

Developed
in the base
of modern
technology

ARUN KUMAR M

predicted by
using the ML
algorithm

Developed
using
classification
model

Increased
convenience
for predicting
a liver
disease

Finally it shows
you the
probability of the
liver disease is
affected or not

ABINESH R

Based on the
accurate
model we
designed a
system

ML helps in
Medical field

Instance
checking of
liver disease
prediction

This
application is
developed to
Find the Liver
predicion

ADTHITIYAN U

Accuracy is
based on
algorithm

Predicted
using the
trained
model

User friendly

The final
application will
detect the patient
is affected with
liver disease or
not

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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

LIVER DISEASE

Liver disese is a
common than
other disease

Liver diseases
cause millions of
deaths every
year

It is expected
that by 2025
India may
become the
World Capital for
Liver Diseases

Problems with liver
patients are not easily
discovered in an early
stage as it will be
functioning normally
even when it is
partially damaged.

WAY TO PREDICT

We have
collected the
dataset of liver
diease and non
liver disease

we have chosen
the best
classification
algorithm

Classification
model algorithm
is been used to
predict this liver
disease

The best among
the classification
algorithm is
been chosen for
liver disease
prediction

DATASET

we have took
the datsets of
patient with liver
disease and non
liver disease

The null value in
thje dataset is
been replaced
with the median
values

The unwanted
values in the
dataset is been
removed to
increase the
peformance

The most
wanted data is
been
graphedand
visualized

FINAL REVIEW

Increased
convenience for
predicting a liver
disease

Cost effiecient
for patient

High accuracy

No medical
expertise
required:

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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

USER INTERFACE

DATA DRIVEN

DATA PREPROCESSING

TRAIN AND TEST THE DATA

PREDICT THE MODEL

DISPLAYS WHETHER THE PATIENT IS DEFECTED BY LIVER DISEASE OR NOT