1. Define Your problem statement

In Kumaran Hospital Coimbatore there are lots of patients admitted and as well as discharged day by day. When this hospital hit the period of pandemic there was a sudden hike in allocation of beds and oxygen cylinders which they some how managed. This hike in allocation should be predicted before so that an analysis will be made in order to manage the hospital resources and also to predict how patients who are already admitted in the hospital is going to stay in the hospital.

PROBLEM

Number of patients staying in hospital are increasing

PROBLEM

Limited hospital resources

PROBLEM

Newly admitted patients are been left out when there is serious illness

PROBLEM

Difficult to manage huge amount of data when there is sudden outbreak of a particular disease

2

Brainstorm

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

10 minutes

Dharshan Prasath H

- Predictive analysis can be madel using regression
- Analysing the obtained data with Cognos and getting inference from it
- Track the average stay of each patient
- Connecting hospital management with predictive analysis model

Abisha R

- Decision tree with many constraints can be made for predicting the patients stay
- For managing the data we can use blockchain technology for a decentralized model
- Identify the illness level of each patient
- Allocating hospital resources according to the patient illness

Dhayalini P U

- Random forest can be made with many decision trees
- Managing each person health records using cloud can make pre caution measures
- Modifying the hospital resources usage according to the patient stay time period
- Reducing the complexing of the data using denoising can reduce unwanted data

Savitha P

- Using old classification techniques such as Naive bayes theorem for making a probabilistic model
- Feeding the required dataset with more conditions can make accurate results
- Overcrowding can be avoided by providing enough health care facilities on time
- Bringing mobile application to book there beds can reduce the time and rush

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

- Predictive analysis can be madel using regression
- Analysing the obtained data with Cognos and getting inference from it
- Track the average stay of each patient
- Connecting hospital management with predictive analysis model
- Decision tree with many constraints can be made for predicting the patients stay
- Identify the illness level of each patient
- Allocating hospital resources according to the patient illness
- Random forest can be made with many decision trees
- Managing each person health records using cloud can make pre caution measures
- Using old classification techniques such as Naive bayes theorem for making a probabilistic model
- Feed the required dataset with more conditions can make accurate results
- Modifying the hospital resources usage according to the patient stay time period

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