## Ideation Phase Detecting Parkinson's Disease Using Machine Learning

Date	14 September 2022
Team ID	PNT2022TMID15475
Project Name	Detecting Parkinson's Disease Using Machine Learning
Maximum Marks	2 Marks

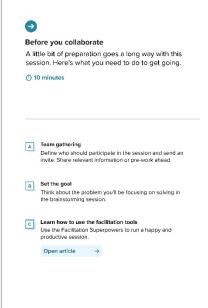
#### **Detecting Parkinson's Disease Using Machine Learning:**



### Detecting Parkinson's Disease Using Machine Learning

Parkinson's disease is a brain disorder that causes unintended or uncontrollable movements, such as shaking, stiffness, and difficulty with balance and coordination. Symptoms usually begin gradually and worsen over time. As the disease progresses, people may have difficulty walking and talking..





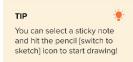




#### **Brainstorm**

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

10 minutes



# Lalithaa Shree R Input as Voice Data Voice Signal/Voice data



Kesavan S	•	
Make people draw spiral and wave images	Input as hand- drawn spiral images	Comparing images with datasets
Deep learning algorithm	Random forest algorithm	Output says normal or in which stage of clisease

Comparing overall datasets	Remove the features that contributes less	Select only those vectors that contribute more
Scale under pre- processing	K-nearest algorithm	Output as yes or no

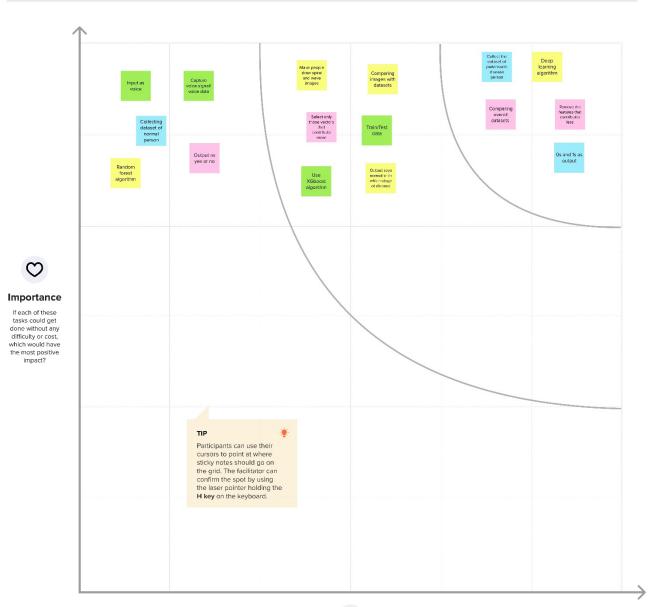
Hariharan S



#### 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.

① 20 minutes





#### Feasibility

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