


# Ideation Phase

## Brainstorm&Idea Prioritization Template


Date	11-10-2022
Team ID	PNT2022TMID51318
Project Name	Predicting the energy output of wind turbine based on weather condition
Maximum Marks	4 Marks

### Brainstorm & Idea Prioritization Template:

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

 **Before you collaborate**

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.


 10 minutes

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**A Team gathering**  
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.


**B Set the goal**  
Think about the problem you'll be focusing on solving in the brainstorming session.

**C Learn how to use the facilitation tools**  
Use the Facilitation Superpowers to run a happy and productive session.

[Open article](#) 

**1 Define your problem statement**


What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

 5 minutes

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PROBLEM


To predict the wind energy production in order to plan for the energy needs of future in advance





Key rules of brainstorming


To run a smooth and productive session


 Stay in topic.

 Encourage wild ideas.

 Defer judgment.

 Listen to others.

 Go for volume.

 If possible, be visual.

## Step-2: Brainstorm, Idea Listing and Grouping

2

### Brainstorm

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

🕒 10 minutes

#### TIP

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

Antnoy Surya A

wind energy  
is renewable  
resource

But it will not  
produce  
constant  
amount of  
energy

So we can predict  
the production of  
energy in different  
conditions using the  
dataset we have  
collected over years

It will help us to  
plan our  
resources for  
energy demands  
efficiently.

Gayathri A

we will be  
analysing the  
dataset that  
we collected  
from kaggle

we need to  
provide the  
accurate results  
of energy  
production

For that we  
need to use  
suitable  
algorithm

we need to  
train the  
model

Venkata Subramaniyan R

Once we the  
model,we  
need to test  
it.

We need to  
check the  
accuracy of  
the model

we need to  
create user  
interface  
using HTML  
CSS

We will store  
the data in  
Cloud and  
access it from  
there

Venkataprasath

We will  
integrate the  
API with the  
trained model

We will  
determine the  
weather  
condition and  
predict the  
power output

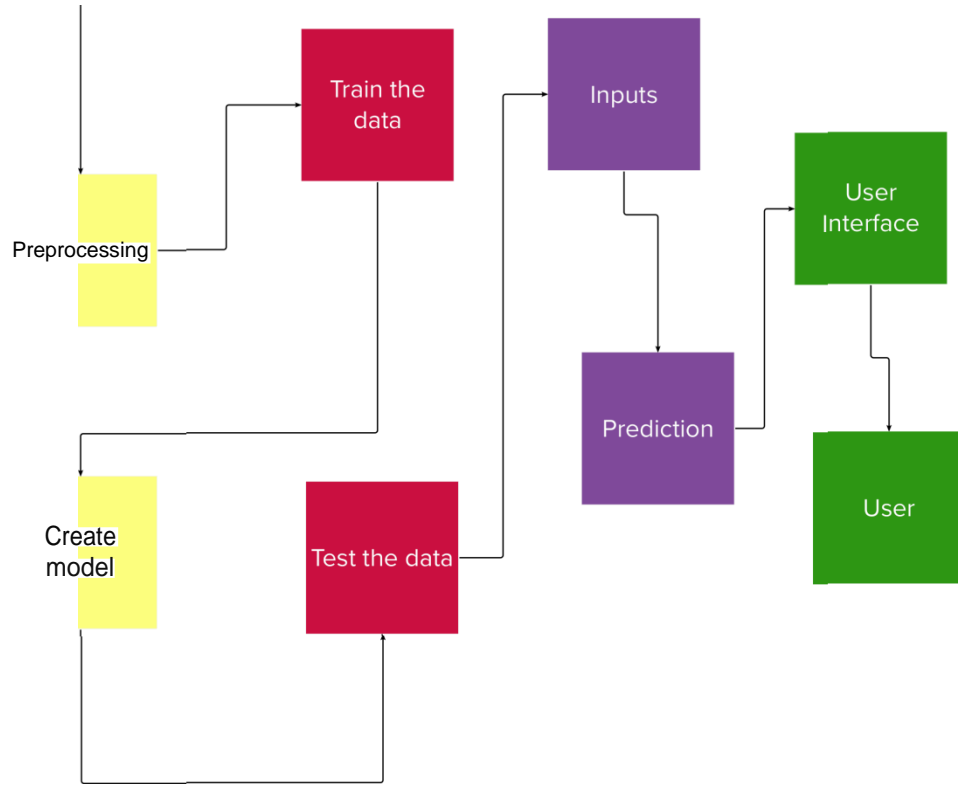
Once the  
power is  
detected it is  
passed to the  
API

API will  
produce the  
energy  
amount in  
KW/hr.



Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as

dataset  
collected



### Step-3: Idea Prioritization

