

Eco friendly Use LSTM for

prediction

based on weather conditions

cannot be predicted

Individual neural network

Environment friendliness

Convert mechanical energy

To electrical energy

Renewable energy

Using Reduce

large consumptio

blades n

Use wind mills

Supply energy

Wind turbine curve model

Reduces energy imports

Use wind pumps

More efficient

Life time 20-25

years

**Brainstorm**

**& idea prioritization**

**Brainstorming** is a group creativity technique by which efforts are made to find a conclusion for a specific problem by gathering a list of ideas spontaneously contributed by its members

**10 minutes** to prepare

**1 hour** to collaborate

**2-8 people** recommended

## PROBLEM STATEMENT

To produce acuurate predictions of energy output from a wind farm based on the wind conditions at its surroundings

### BRAIN STORM

ANANTHA SNEKA M C ABI

|  |  |  |
| --- | --- | --- |
| Monitor condition | Control wind turbine | Transmissio n |
| Generator | Modelling data | Concept of power curve |
| based on linear curve | Regression tree used | Inexhaustible |

GROUP IDEA

Predict good accuracy

# Improve output

IDEA PRIORITIZATION

Creates wealth and local employment.

Map weather data to enegry

**Key rules of brainstorming**

Less pollutant

To run an smooth and productive session

Increase energy source

Stay in topic. Defer judgment.

Encourage wild ideas. Listen to others.

Go for volume. If possible, be visual.

## 

Increase efficiency

[**Share template feedback**](https://muralco.typeform.com/to/CiqaHVat?typeform-source=app.mural.co)

Reduces energy imports.

Increase life time

S KAVIYA

|  |  |  |
| --- | --- | --- |
| Based on cubic lava | Overcome variable energy production | Depend on wind speed |
| Scable | Follow certain time | Use machine learning |
| Time series pattern | Reliable | Use turbine |

H FATHIMA HUSSAINA

Environment friendliness

# Set up with low budget

Generate more power