**Air quality Analysis and prediction in Tamil Nadu**

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**Phase 2 : Innovation**

**Introductions**

In this section you need to put your design into innovation to solve the problem. Create a document around it and share the same for assessment as per the instructions mentioned.

Consider incorporating machine learning algorithms to improve the accuracy of the predictive model.

**Air quality Analysis and prediction Innovation**

* Street furniture to drive away pollution.
* Smog free towers.
* Curtains made of algea.
* Cloud seeding
* Bio solar leaf

**Design of Air quality Analysis and prediction**

* The u.s EPA official definition is explained this way: “a design value is the mathematically determined pollution concentrating at a particular site that must be reduced to maintained at or below the national ambient air quality standards to assume attainments. “the design value number tells us how a particular.

**Air quality Analysis and prediction Algorithm**

* Linear regression algorithm was used as a machine learning algorithm to predict air quality of next day using sensor data from three specific location.
* The model performance of assessed using four performance measures:

1.MAE

2.MSE

3.RMSE

4.MAPE

**Data set link : https://tn.data.gov.in/resource/location-wise-daily-ambient-air-quality-tamil-nadu-year-2014**