AI 4 YOUTH
VIRTUAL SYMPOSIUM

Powered by intel

Project title : **EPP Location Predictor**
Domain : **Data Science**

Name : **Ayush Gupta, Pranjal Rastogi**
Class : **11**
School : **Delhi Public School, Bengaluru**

SUMMARY
Predicting suitable locations for sustainable electronic power plants intelligently.

CONTEXT

Sustainable energy is going to be the most important source of energy in the future. It is essential to shift to using sustainable energy as soon as possible to prevent certain environmental damage. It is very time consuming and costly to scout locations for solar and wind power plants. This scouting process must become more affordable and efficient.

Ayush Gupta and Pranjal Rastogi, Students of Class 11 in Delhi Public School, Whitefield, Bangalore have come up with a solution to this problem. Using AI, they have made a program that can predict the efficiency of a sustainable electrical power plant on a particular location, before it even existed.

HOW DOES IT WORK?

The AI model uses weather data of the particular location, such as Humidity, Temperature, Wind speeds, Solar Radiation, and Cloud Cover to predict the efficiency of a solar power plant at that location. Using the XGBoost Regressor model, it efficiently gives the probability of success of a solar power plant within seconds.

Intel in collaboration with CBSE has been driving an immersive age-appropriate AI readiness program since January 2019 based on experiential methodologies covering both social and technology skills. The initiative enabled youth to demystify AI, equip them with skillsets, a relevant mind-set and democratize access to AI-tools. Youth are trained to build meaningful social impact solutions as an evidence of achievement.

Follow us on: