Introduction:

- Indian economy is mostly based on agriculture but the price of each vegetables and fruits varies in day today life.

- For the past decade ago there is a high demand in price prediction The livestock farmers are in issues under harvest of vegetables. Due to this farmers are gaining low income. Onion and vegetables are more important to lead a healthy life. If vegetable price steadily increases poor people can't buy it. So, they can't lead a healthy life.

- Price prediction is a useful idea for consumers as well as farmers. By using Machine learning algorithm we can predict the price of vegetables next day by comparing it with previous price rate of vegetables.
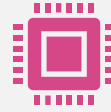
Purpose to predict Onion Price:

Price prediction helps the farmers and also Government to make effective decision.

The aim of making this project is that every farmer can get the best price of onion in the market-city.

What technology is this project based on?

- this price prediction project is based on machine learning. To build this project we are using some python libraries

1. MATPLOTLIB - IT PROVIDES AN OBJECT-ORIENTED API FOR EMBEDDING PLOTS.

2. SKLEARN- USED FOR STATISTICAL MODELING INCLUDING CLASSIFICATION, REGRESSION, CLUSTERING.

3. SEABORN - IS USED FOR DATA VISUALIZATION AND EXPLORATORY DATA ANALYSIS.

4. NUMPY - FOR WORKING IN DOMAIN OF LINEAR ALGEBRA, FOURIER TRANSFORM, AND MATRICES.

5. PANDAS- IT PROVIDES A HUGE IMPORTANT COMMANDS AND FEATURES WHICH ARE USED TO EASILY ANALYZE OUR DATA.

Conclusion:

This project shows variation of Onion price across various states in various months and predicts price accordingly. The data is collected from data.gov.in website.

This project will give the accurate price so that there is no deviation in the thoughts of people about the price increase and this project will definitely helps to the farmers to get the best price of onion in the market-city.