

**Organization Name :Government of Bihar (DOA)**  
**PSD :PK416**



App Name:

# Krishi-Money

**By team Algorithm Unlockers**

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# Tasks Completed after 2 days

- ✓ **Todays price:**In this we are comparing prices of specific commodity in different nearby markets
- ✓ **Dynamic** dataset updation
- ✓ Set minimum support price at real time and calculate **price stabilization fund**
- ✓ **Market and commodity wise** Distribution

```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\rushikeshaher10\Desktop\Today_Pice.py =====
Enter commodity : Potato
    Todays Price of  Potato   in Markets   :
    Date           Market      Modal
0  04-01-2019      Bengaluru   1156.741551
1  04-01-2019      Kolar       1352.221600
2  04-01-2019      Hubballi    1113.548325
3  04-01-2019      Mysuru     1614.359008
>>>
===== RESTART: C:\Users\rushikeshaher10\Desktop\Today_Pice.py =====
Enter commodity : Onion
    Todays Price of  Onion   in Markets   :
    Date           Market      Modal
0  04-01-2019      Bengaluru   678.886080
1  04-01-2019      Kolar       1471.761479
2  04-01-2019      Hubballi    549.239935
3  04-01-2019      Mysuru     549.239935
>>> |
```

```
(3.8.2)
'Commodity')

Market")

="Date")
Ln: 19 Col: 17
```

File Home Share View

Cut Copy Paste Copy path Paste shortcut Clipboard

demo

EPSON Easy Photo Print

Favorites

- Downloads
- Recent places
- Desktop

This PC

- Desktop
- Documents
- Downloads
- Music
- Pictures
- Videos
- Windows8\_OS (C:)
- LENOVO (D:)
- New Volume (F:)
- New Volume (G:)
- New Volume (H:)

Network

- RUSHI

9 items 1 item selected 283

Python 3.8.2 Shell

File Edit Shell Debug Options Window Help

```
ARIMA(1, 1, 0)x(1, 0, 1, 12)12 - AIC:8721.356962517872
ARIMA(1, 1, 0)x(1, 1, 0, 12)12 - AIC:8819.474281566716
ARIMA(1, 1, 0)x(1, 1, 1, 12)12 - AIC:8619.274528053575
ARIMA(1, 1, 1)x(0, 0, 0, 12)12 - AIC:8785.151524228753
ARIMA(1, 1, 1)x(0, 0, 1, 12)12 - AIC:8642.925712645789
ARIMA(1, 1, 1)x(0, 1, 0, 12)12 - AIC:9080.44065343616
ARIMA(1, 1, 1)x(0, 1, 1, 12)12 - AIC:8541.223447510494
ARIMA(1, 1, 1)x(1, 0, 0, 12)12 - AIC:8653.92755229374
ARIMA(1, 1, 1)x(1, 0, 1, 12)12 - AIC:8644.89842351399
ARIMA(1, 1, 1)x(1, 1, 0, 12)12 - AIC:8766.391944136218
ARIMA(1, 1, 1)x(1, 1, 1, 12)12 - AIC:8543.222525105868
the accuracy in % 96.91575556746729
Unnamed: 0.1 Commodity Modal
0 2019-01-01 Potato 1218.430141
1 2019-01-02 Potato 1150.377242
2 2019-01-03 Potato 1115.526671
3 2019-01-04 Potato 1113.548325
4 2019-01-05 Potato 1074.597207
5 2019-01-06 Potato 1079.347131
6 2019-01-07 Potato 1104.518506
7 2019-01-08 Potato 1101.928955
8 2019-01-09 Potato 1102.663723
9 2019-01-10 Potato 1087.307399
10 2019-01-11 Potato 1097.636275
11 2019-01-12 Potato 1097.144514
12 2019-01-13 Potato 1092.744764
13 2019-01-14 Potato 1094.940901
14 2019-01-15 Potato 1092.477889
15 2019-01-16 Potato 1106.002345
16 2019-01-17 Potato 1073.938950
17 2019-01-18 Potato 1081.915630
18 2019-01-19 Potato 1108.712732
19 2019-01-20 Potato 1106.623550
20 2019-01-21 Potato 1107.769410
21 2019-01-22 Potato 1092.623657
22 2019-01-23 Potato 1101.895446
23 2019-01-24 Potato 1101.434253
24 2019-01-25 Potato 1097.327597
25 2019-01-26 Potato 1099.659052
```

tsApp Image

20-08-02 at

.32 AM.jpeg



- **For User interface Improvement:**

- ✓ Login page
- ✓ Instead of buttons on home screen for main functionality i.e. (crop price prediction, arrival forecasting and PSF), use bottom navigation
- ✓ Weather forecasting alert message



# Weather Forecast for Next few days

```
Activities Terminal Mon 10:13 AM ubuntu@ubuntu-HP-Laptop-15-da0xxx: ~/Downloads
ubuntu@ubuntu-HP-Laptop-15-da0xxx:~/Downloads$ python3 weather.py
[WDM] - Current google-chrome version is 84.0.4147
[WDM] - Get LATEST driver version for 84.0.4147
[WDM] - Driver [/home/ubuntu/.wdm/drivers/chromedriver/linux64/84.0.4147.30/chromedriver] found in cache
MENU
1.Forecast for Today(1-3 Days):
2.Forecast for 4-7 Days :
3.Forecast for 7-10 Days :
4.:Exit
Enter your choice: 2
===== Weather forecast for 4-7 days =====
Enter the name of the city: Mumbai
Rainfall      : Heavy rain (total 54mm), heaviest during Thu morning
Temperature   : Warm (max 29°C on Fri afternoon, min 27°C on Thu afternoon)
Wind          : Winds increasing (light winds from the WNW on Thu morning, strong winds from the WSW by Thu night)
ubuntu@ubuntu-HP-Laptop-15-da0xxx:~/Downloads$
```