

Krishi Utthan

कृषि उत्थान

Team Members

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Phunka Team 1

“The farmer is the only man in our economy who buys everything at retail, sells everything at wholesale, and pays the freight both ways”

- John F. Kennedy

Major Problem

- General People are paying high price for Fruits and Vegetables
- But, Farmers sell Vegetables and Fruits at a very low price
- Reason
 - There is a huge gap between the farmers and direct sellers

Our Solution

- A SMS / Web based portal to bridge the gap between Farmers and sellers

Sellers

- Create an account on the system via. web
- Via web / SMS, Sellers update the price they are willing to pay for each vegetable / fruit.

SMS Format :

*ApiKrishiS update <seller_id> <seller_key> <item_name>
<price_seller_pays> and send to 5455*

e.g.

ApiKrishis update 12 abcde tomato 25

Farmers

- Query to the system via. SMS
- Can get get the information of sellers who can offer them the best price located in their area

SMS format

ApiKrishis price <item_name> <district_name>

e.g. APIKrishis price tomato Kathmandu

WHY SMS?

Mobile Penetration Rate in Nepal :
65.6%

Compared To

23.69% internet users
with over 90% via. GPRS
Smart Phones limited to urban areas

Source : Nepal Telecom Authority - 15 March 2013

Screenshots of SMS

Getting price for tomato from sellers all over Nepal

Today

08:43, Me:

Apikrishis price tomato



08:43

Price per kg for tomato

[9849382190](#) -> Rs.25

[9842746218](#) -> Rs.25

[9851197352](#) -> Rs.19

[9841893721](#) -> Rs.16

Write message



Getting price for tomato from sellers in Kathmandu

08:53, Me:

Apikrishis price tomato
Kathmandu

08:53

Price per kg for tomato in
Kathmandu

[9842746218](tel:9842746218) -> Rs.19

Write message



Getting a specific seller info

08:46, Me:

Apikrishis seller [9849382190](tel:9849382190)

08:46

Seller Name: Niroula Cold Store
District: Lalitpur Phone
[9849382190](tel:9849382190)

Write message



Updating price of tomato by a seller

08:44, Me:

Apikrishis update 8 hij tomato 23



08:44

Updated succesffully

Write message



Tools used

1. Sparrow SMS 's API for SMS gateway
2. Python programming language
3. Django framework

Thank You