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HOPCOMS Augmentation

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Abstract— the main intention of this mission is to develop a web application for hopcoms marketing using C sharp Programming. This Application includes Technology in every step of HOPCOMS and made every process paperless through which the business made transparent. Using this application we can completely remove the middlemen in marketing agency. Farmers can directly sell procures vegetables, fruits to consumers without any middlemen and they can get fair amount from the government as the rates are directed from government directly.

Keywords— Horticulture, Stake holders, biometric, Web application, procurements

I. INTRODUCTION

HOPCOMS with its headquarters located in Bengaluru, is a unique marketing venture for urban co-operative marketing of horticultural produce. Hopcoms is a co-operative society which is started and run with state support and fundamentally managed by officers of government of Karnataka. The farmers are the members of Hopcoms and they are the one who supply the produce to it. Presently there are 257 retail outlets in which they provide fresh vegetables and fruits to consumers. The main objective of this application is to make the procedure automotive and transparent. Using the latest technologies we have developed a application evolving with the technology. All the transactions, procedures and settlements made paperless. Everyday quantity of the produce and the amount is reported to the office and the business made transparent. Before only the middlemen were the main beneficiary persons in the marketing as they are the one who were communicating between farmers and consumers. The main beneficiaries of this procedure are the farmers and the consumers. As farmers and consumers can communicate directly the middlemen were not required.

II. MULTIPLE STAKEHOLDERS

The first step was to understand the activities of HOPCOMS, and the different categories of stakeholders. The major stakeholders of the Hopcoms are farmers; farmers are the main backbone of the Hopcoms system. First farmers need to register with the Hopcoms. Then they can sell vegetables and fruits to the consumers. Then another major role in this system is consumers; they are the one who purchase the vegetables and fruits from the retail outlets.

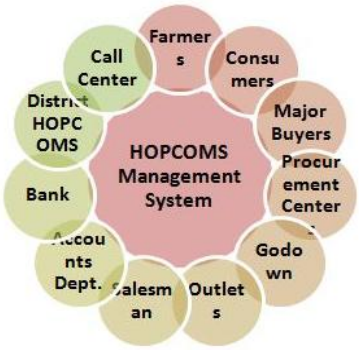

Fig 1 Multiple stake holders

Major buyers buy the produce from the farmers without any middlemen involving in the buying procedure. Procurement canters store the products which are brought from major buyers. Outlets are the one which sell the fresh vegetables and fruits to the consumers and salesman who are working in the outlets to sell the products. The amount will be directly credited to farmers account for the quantity of the vegetables and fruits which they have sell to buyers and updated through e-passbook and they will get a text message about the amount transfer to their account.

III. FARMER MODULE

The first step of interaction is for a farmer to become a member of HOPCOMS. HOPCOMS issues indents giving the quantity of a particular vegetable or fruit to be purchased from members. On receiving the indent order for a particular amount, the member has to bring in the produce to the procurement centre, the major parts of the Hopcoms systems are farmers. They are the main backbone for the whole system as they work months together to get the procurements.

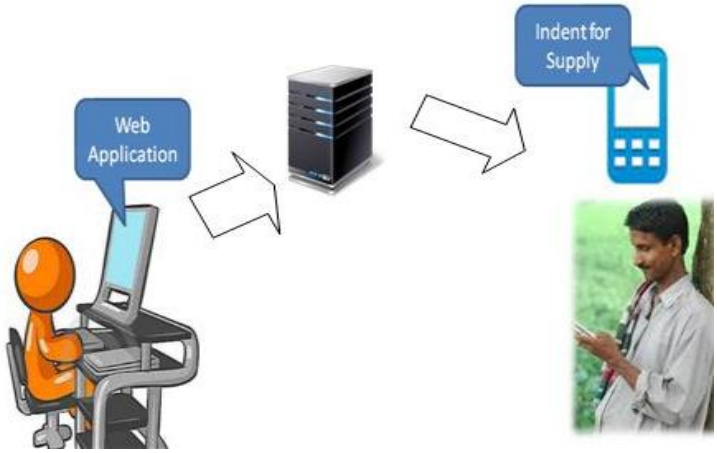

Fig 2 Process of indenting to farmers

Some of the steps are considered for the farmers which are listed below:

- First farmers need to register as a member of the Hopcoms service.
- They provide Bio metric / card authentication for farmers & also to their families and co- farmers.
- Farmers can submit supply information about the produce through SMS/Web/Call centers.
- After supplying the commodities to procurement centers there will be online payment for the supplied commodities and they update the e-passbook.
- Farmers can call to Call center, to update the supply information & get update on e-passbook based on farmer Id and by authentication himself.
- Farmers can supply commodities to satellite procurement centers or head office.
- There will be a web application which request farmers for supplying the commodities.
- Farmers will get update about the supplied commodities through SMS.
- Farmers will get daily prices from head office through SMS.
- Farmers can check e-passbook via web and get SMS based on demand.

IV. SYSTEM DESIGN

In the system architecture it mainly involves state data centre which is under government of Karnataka and a satellite procurement centre that is connecting with sate data centre through a mobile network. Farmers and consumers are one of the most important roles in the architecture and they are in contact with the state data centre through the mobile network and internet which includes the information about the commodity supply and daily price about the vegetables and fruits. In design it involves the major requirements of the system for the implementation of the application. After requirements the developer need to make a list of functional requirements of the user and according to that he will develop the whole application.

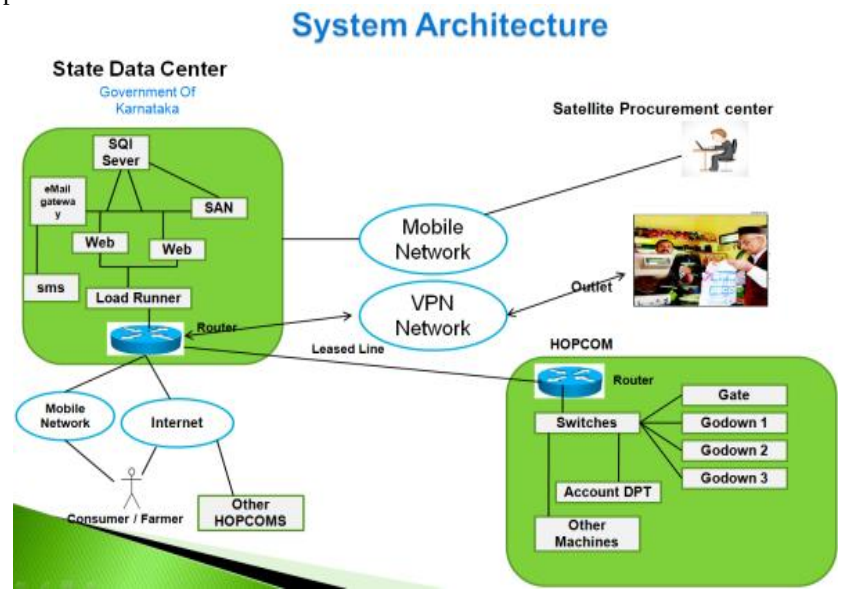

Fig 3 System Architecture for Hopcoms application

At the other hand side the architecture includes outlets and Hopcoms data centre. Outlet retails get the supply from the procurements and price list are daily updated through the state data centre and outlets can communicate with state data centre through VPN network. In Hopcoms data centre it stores details about different godown, daily transactions,

and account details also about other machine details in the retails. Using all the data and data collected from various vegetables market and different mandi they will fix a price for all the vegetables and fruits. Hopcoms data centres get daily price updates through state data centres every morning. Using those price hopcoms godowns collect the procurements from all the farmers who are registered with them and they a generate a bill which includes all the supply details such as the vegetables details and quantity and the total amount. Then after taking the supply they supply to the various hopcoms outlets to sell it to the consumers. Then through the online banking system they pay the amount to the farmers and update through the sms alerts and update the e-passbook.

V. CONCLUSION

In this paper, we propose a web application which is helpful to the farmers and consumers in the society. Firstly the farmers need to register them to the hopcoms canters and at the time of supplying the vegetables and fruits to the hopcoms godowns the farmers need to enter the finger print and supply the procurements. After supplying procurements to hopcoms the payment is done through online banking and updates the e passbook. Through the hopcoms outlets they will sell procurements to the consumers.

REFERENCES

[1] Annual Report (2002), HOPCOMS Annual Report- 1999-2002 Bangalore: 2002 "PDCA12-70 data sheet," Opto Speed SA, Mezzovico, Switzerland.

[2] Press Information Bureau, Government of India, "Features: Co-operatives in India", http://pib.nic.in/feature/fe0299/f1202992.html, downloaded on May 05 2012

[3] Gandhi Vasant P and N V Namboodiri, Marketing of Fruits and Vegetables in India: A Study of the Wholesale Markets in Ahmedabad Area, Centre for Management in Agriculture, Indian Institute of Management, Ahmedabad, 2000

[4] RS Hegde and madhuri, "A STUDY ON MARKETING INFRASTRUCTURE FOR FRUITS AND VEGETABLES IN INDIA" 2001.

