

The Client

The Client is a well known cooperative society for agriculture community.

Business Situation

Client is an association made up of members from agriculture community in North Canara district of Karnataka state, India. Client is into buying the agriculture produce from farmers like beetle nut, black pepper, cardamom etc., and sell it to dealers.

Client currently has an ERP system where it has modules to enter the agriculture produce type, quality, and quantity whenever a farmer (also member of the client) brings it to client for sales. Another entry happens when produce sold to dealers including the price. Client currently note the above data in a register and come to office in the evening to enter into ERP system. This results into double work, possible human errors, and delayed SMS to farmers about the sales of their produce.

The Challenges

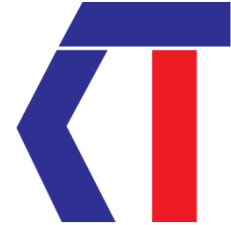
The issues to address are:

1. Client currently uses a proprietary ERP with MSSQL database. However there is no facility to enter the sales information to ERP system as sales happens.
2. Laptop may not be convenient as it is bulky since the sales people walking all over warehouse to check the quality and quantity of the produce. So need something handy and reduce dual entry and real-time.

The Solution

After the detailed study of the processes, we suggested Samsung Galaxy Tab (android based) with Java based application to enter the sales data as the sales happens and wirelessly update the ERP database.

- Created forms using Java Swing and AWT to enter the data to apps which in turn store the data into local database in the tab.
- Created a background program continuously poll the local database in tab and update the main ERP database. The purpose of this mechanism is to make sure the



application up and running and avoid system delay even if there is any situation like wireless communication with main ERP database.

Business Impact

The major benefit that client got from this project is quick status and data availability. Other benefits accrued were:

- Reduced effort to enter data two times
- Less human error
- Immediate availability of sales status to Farmers

Value Adds

Apart from reducing the effort, human error and quick availability of status there is also cost reduction in whole process.

The Technology

- Custom ERP application
- MSSQL
- Java
- Unix/Windows/Android