FARMER INFORMATION KIOSK

Applications areas

- ➢ Modern Irrigation Management system
- ➢ City water supply and distribution
- ➢ Agriculture GIS, MIS data dissemination

Features

- ➢ Customized for Irrigation and water management applications
- ➢ Backed by huge data base and algorithms and compatibility with other applications like GIS/MIS etc.
- ➢ Fast data analysis and query handling
- ➢ Replicability and scalability
- ➢ Multi-lingual support
- ➢ State of art hardware with high end specification

It serves as tool for establishment of natural resource information knowledge base related to:

- ➢ Rainfall
- ➢ Surface Runoff
- ➢ Ground water data
- ➢ Individual farm & soil health details
- ➢ Irrigation schedule
- ➢ Water requirement & allotment
- ➢ Crop details
- ➢ Water consumption & Billing
- ➢ Data from agriculture commodity Markets
- ➢ DSS feedback to forecast production
- ➢ Individual farmer level crop plans
- ➢ Maintaining log books & disseminated to community

Description

MECH-KIOSK is specially designed user friendly data dissemination unit connected to Master Station (Servers) through internet. The touch screen information portal would enable the farmers to access relevant and timely information at the finger tips

Develop farmer friendly GIS outputs Integrated with Remote Sensing technology for accessing information about individual and shared resources. Provide farmers new insight on their natural resource base both in space & time

GIS, Remote sensing enable farmers to visualize individual and collective resources through individual layers as well as integrated multi thematic maps. Kiosk plays a catalytic and enabling role in ensuring sharing of data by the community and outside world

The **MECH-KIOSK** provides an opportunity to the rural communities to use IT tools in decision making related to water use and cropping system changes

Information Kiosk, to integrate Information Technology, GIS, World Wide Web and communication tolls

MECHATRONICS
Measurement and Control

Use modeling tools for short/ long term agriculture planning

Software is largely menu driven with easy numeric entry so that it can be operated & maintained by local youth entrepreneurs with minimum qualification

Farmers can obtain access to a variety of information through G2C and C2G

The information Kiosk provides linkage to other related government departments like land records, registration etc

The information Kiosk & Facilitation center assists the rural communities by providing them with news, information, advice and knowledge that has hitherto been inaccessible to them. This information allows the rural citizens / Farmers to make more informed decisions and deliver the 'Last Mile 'of connectivity

Information Kiosk – Farmer Dash Board

1. **Personal Details**
   Personal details of farmer like Farmer detail, address of farmer, Land details, WUCS details etc.
2. **Water Demand**
   Farmer can raise or view water demand for his farm.
3. **Notification & Agreement**
   Farmer can view notifications from KBJNL regarding water demand, agreement etc.
4. **Water Billing & Payment**
   Farmer can view online bill for his water usages.
5. **Soil Health Card**
   Farmer can see his farms soil health card online
6. **Weather Details**
   Farmer can view the weather details around his farm.
7. **Agriculture Commodity Rate**
   Farmer can view Karnataka state agriculture commodity rate online.
8. **e-Library**
   Some important books related to Farms are available in e-Library
9. **Help Desk**
   Help desk is available at Data centre at any difficulty to access farmer dash board.
10. **Relevant Link**
    Some important relevant links such as Bhoomi, rainfall, etc are available.

Specifications

Input Power:	Mains input	230VAC
Processor:	Intel CeleronDual Core 2.4 Ghz / Higher	
Memory:	RAM	4 GB DDR1333 MHz
Data Storage:	16 GB SSD	
LAN :	Real tech RTL 8111G 1X Gigabit LAN controller	
OS:	DOS/ Linux / Windows	
Display:	18.5" / 15.5" touch screen	
Mechanical:	Material Size	MS powder coated 60X600X1600mm
Battery:	Sealed Maintenance Free (SMF)	
Software:	Customized to client requirement	

MECHATRONICS
Measurement and Control

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