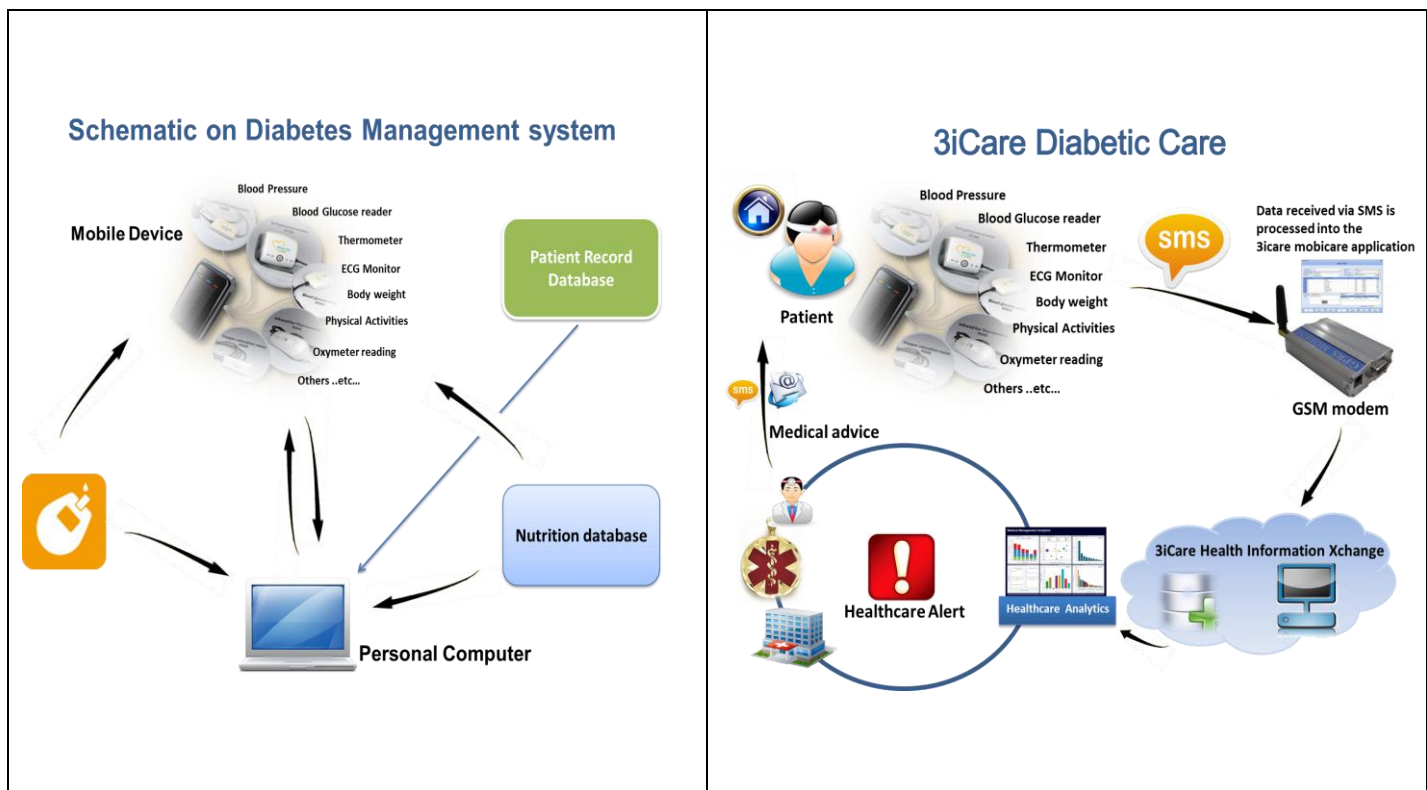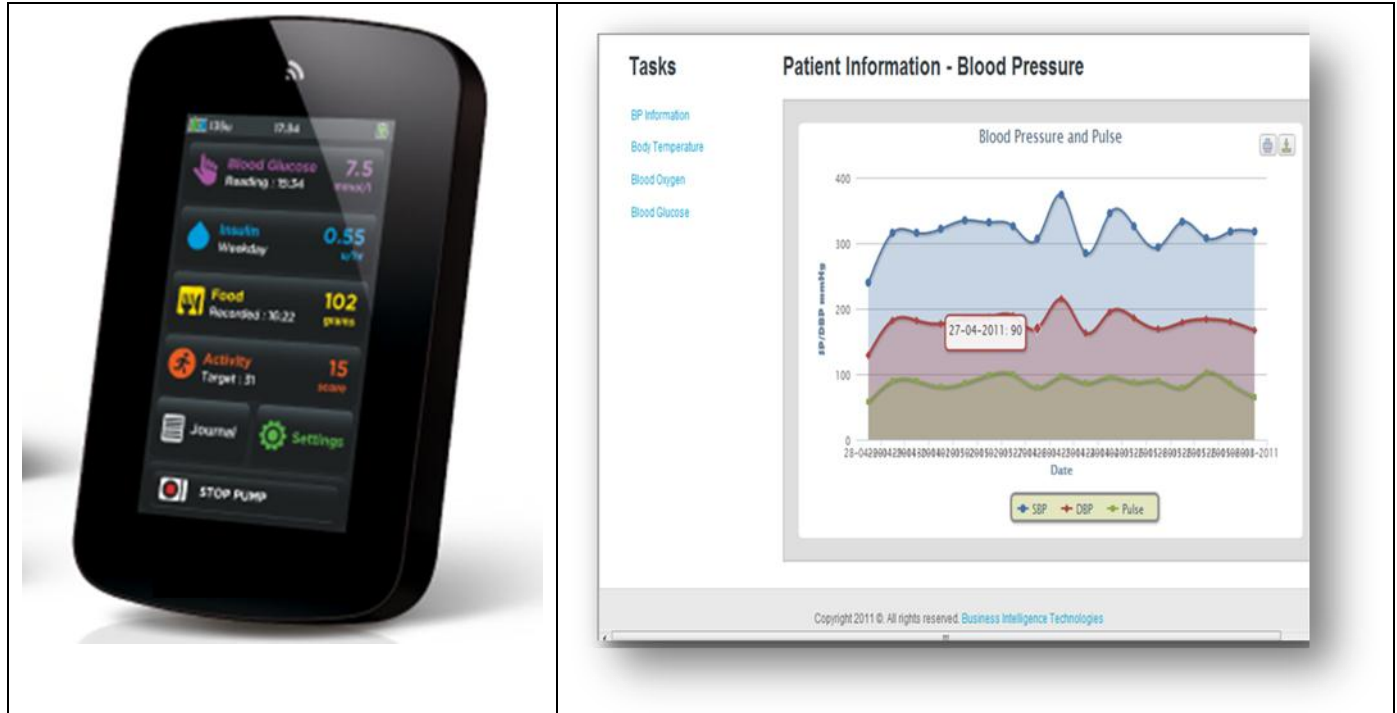# 3iCare Diabetes Management

3icare DBMS makes the control of diabetes so much easier. Data capturing is a cinch and analysis will help to improve your therapy. We have included great new features to help you getting started in the easiest way ever possible.

- Suitable for all diabetes types
- No need to keep a journal/Log
- Automated sending of SMS messages (from our cell phone versions) to your doctor or a trusted person if you have tracked a critical blood glucose level.
- Can be run in an automatic mode where your doctor can watch the trend and u can receive health alert
- Analysis, trends and graphical feedback for adjusting your diabetes therapy
- Integrated with remote consultation module to get advice from your doctor remotely
- Direct feedback for tracked values will increase patient motivation drastically
- Search the nutrition database (Like USDA Rev.17) for carbs, fat, protein etc. even on your Smartphone
- Full text search for all tracked records
- Send your data to your doctor or health-care professional over phone at your will automatically) using cost effective sms (compressed, encrypted and password-protected)

Schematic on Diabetes Management system

3iCare Diabetic Care

The proposed system should increase the amount and improve the accuracy of patient data that is actually recorded. This includes, but is not necessarily limited to, the patient's glucose levels, insulin and other medication dosages, exercise types, exercise durations, dietary intake, and ketone2 measurements (taken when glucose levels are too high), as well as the times at which these events take place. In addition to having the capability to record this data, the system should implement the easiest and most intuitive recording methods available, including avoiding manual input whenever possible. For glucose readings, this means automatic transmission of data from glucometers to a records database.

Diagnosis available with the kit:-

Mobile Communication Device

1. Blood Glucose
2. Oxy-meter (Blood Oxygen)
3. Blood Pressure
4. Thermometer (Body Temperature)
5. Entry interface for entry of basic food, exercise, and insulin data and provide some trend analysis through graphs

The Process:-

- 3iCare Diabetic Care registers a patient with a unique patient ID
- Patient who subscribes for mobi-care there patient-id is sent to 3icare server
- Best diagnostic kit records test result based on patient-id and test_Id whenever required
- Sends the test result to server
- 3icare Diabetic Care server establishes a connection with the server
- Retrieves test results based on patient-id and updates patient record using web services

The application is accessed using a single click (or finger tap) of the icon on the phone's home screen. The main menu of the application is simple and emphasizes the most commonly used features. Recording new entries and viewing the record database are anticipated to be the most frequently accessed functions.

The time is displayed at the top, followed by the current blood glucose reading (either automatically transmitted via SMS or manually entered by the patient).

Emphasis should be placed on enabling and encouraging the patient to record as much data as they have access to without impelling them to exert significantly more effort than before.

Glucose Level Statistics:-