2014
Smart Hospital Catalogue

G4s
Smart-Bus

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SMARTHOME GROUP
Smarthome for everyone

THE BEST CHOICE FOR HOME AUTOMATION

SMART INDUSTRY CORP. USA

What is Smart Hospital?
Smart-Hospital is the Simple and Efficient Hospital.

How does it Work?
Simply Help Patient To get full status Information and to execute all tests and treatments in organized manner without wastage.

What Does it Cover?
It covers the Patient Side (where most of Other Systems and Software's has not emphasized)
It covers the Building Energy and Comfort Side to assist in cutting wastage

What Main Areas we need to Consider as Start?
As start the Main 2 Areas are the Outpatient, and The In-Patient

What do I need to Make my Hospital Smart?
You need to Simplify the Process for Patient and Increase time efficiency.
Also to cover the Patient Out-Side like: Appointments, Queuing, Where to Go Next, What Diet to follow, What Medication, and My Health File.

What are we Covering In this Document?
1– Outpatient Devices
2– In-Patient Devices
3– Smart-Clinic App at Glance

Smart-Clinic App

Patient Journey In Smart Hospital:

(A) First Time Patient will be issued a Smart Card at Reception Desk. The Card has Patient main Information and Medical File Number. This is Known as: (Patient ID Card)

The front of Patient ID card is Designed as Per Hospital Need:

Example:

PALMS MEDICAL CENTER

Sophie Michelle Johnson
Patient ID: MRN 12885609

Member since 10/24/2003
Provider: 1234 567899

ONECard™

The Back of Patient ID card Can Have QR Links to Download Smartphone Apps Like:

Example:

Welcome to Smart-Hospital System, Please connect to our Free Wifi then scan the QR to install the Apps from our Servers in Few Minutes.

http://smarthospital/ios   http://smarthospital/android

This Card is Private Property. If found please return to XYZ-Hospital

Note: Patient Need Smart-Phone.
For Patients that Do not have Smart-Phones, they Can Use Local Hospital electronic Terminals and Kiosks to read their Cards and Direct them throughout the Hospital and Treatment Process. (See Section (C)
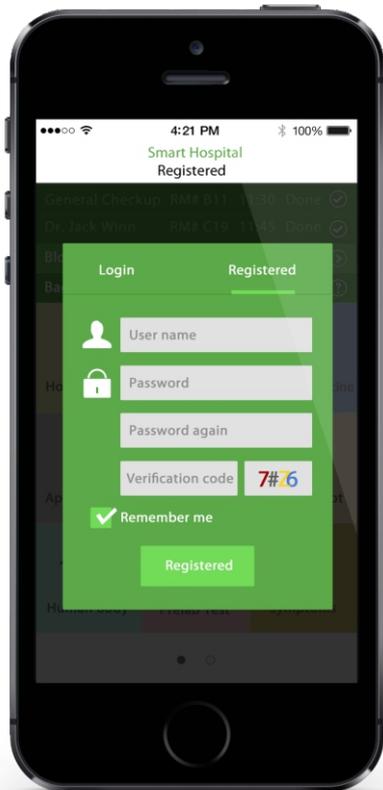
(B) Install App. And Authenticate it:

Once App is installed, it will Guide you by step by step to Scan the Barcode of Patient ID using Camera of Smartphone. Then Once this is done, then The Program and the ID are Authenticated by (code matching) where only this Phone can access the Medical File.

Note: In case Patient Changes Phone or Require Additional Phone to Access same Patient File, then Must Contact Hospital Reception Outpatient Desk to Apply Through Clinic-IT for Deleting Old Code or Allowing second Authentication code for Second Phone.

Why Smart-Hospital App?

Technology is the New Companion in Life that is simplifying communication and organizing tasks.
Once the Smart-App is Downloaded it Can Help The Patient in Many ways related to Hospital operation like:

1, Today's Hospital Tasks (Done/to do)?
2, Where am I and Where is Next Room?
3,What is My Que and Estimated waiting Time?
4, What is the Results of My Lap tests, and what problems I have now?
5, What Medication? And How to take it?
6, What I can eat Or should Not?
7, Appointment Reminders and Reservations confirmation.
As well as Many Other.

(C) How to Find my Way using e-terminals and Kiosks?

Smart-Hospital has several Kiosks, e-terminals with Readers, QR Location mark points, and Different Screens for Que information, Clinic Status, and other Functions.

The Method is very Easy:

If using Patient ID and e-terminals as example: Simply Pass your card on reader and the terminal will Diretly Inform you on what is Next and where to go.
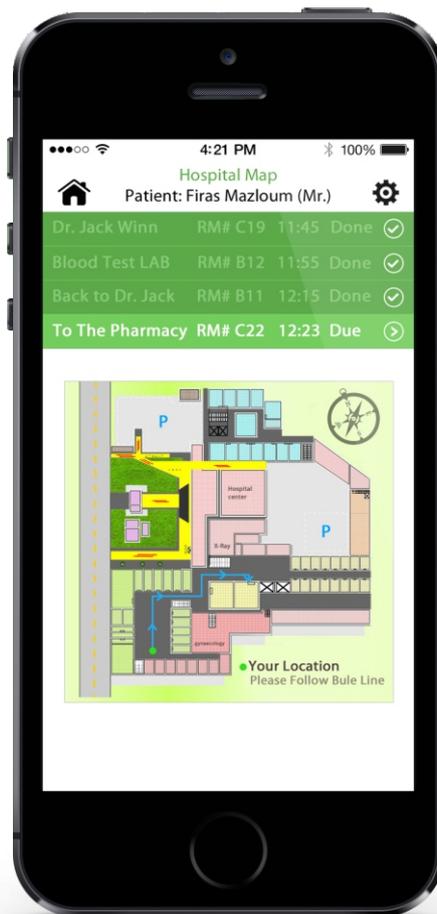
SMART−CLINIC
ASK Me!
Pass Your Card on Reader

If you have your App, then Simply Scan the QR on e-terminal, or on Different Hospital Wall points.

Example:
You are Here: Follow Blue Line On Map
To Reach to Room C22 = Pharmacy

Note:
As long as you are Connected to
Smart-Hospital Free wifi, your App
Will always Sync and Update you
On Next Tasks and Expected Time.

Hospital Map
Patient: Firas Mazloum (Mr.)

Dr. Jack Winn	RM# C19	11:45	Done	⊘
Blood Test LAB	RM# B12	11:55	Done	⊘
Back to Dr. Jack	RM# B11	12:15	Done	⊘
To The Pharmacy	RM# C22	12:23	Due	⊙

• Your Location
Please Follow Bule Line

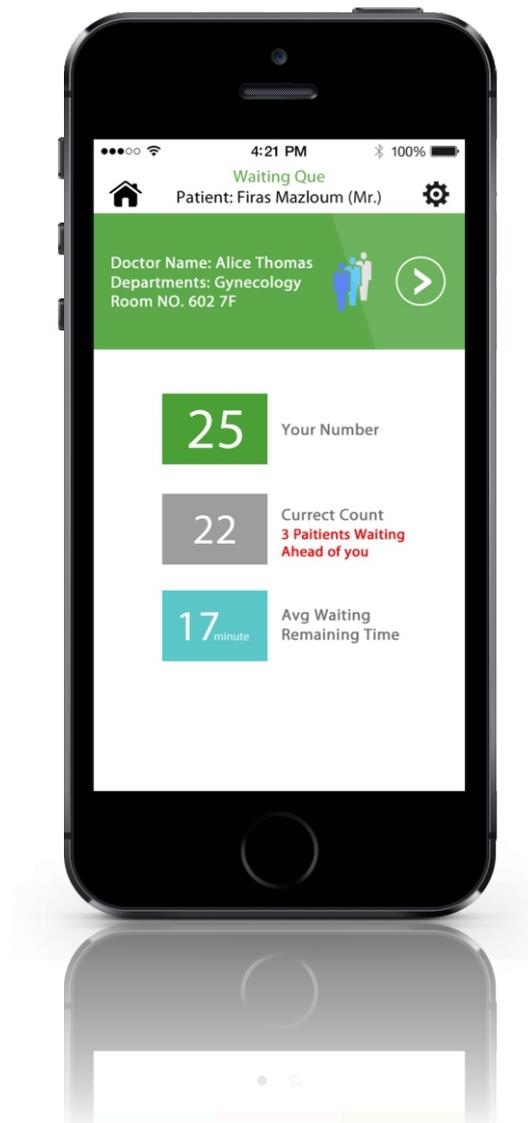**(D)** What Functions Can Patient Use using Smart Hospital?

1) What task is Done, and What Task to Do Next

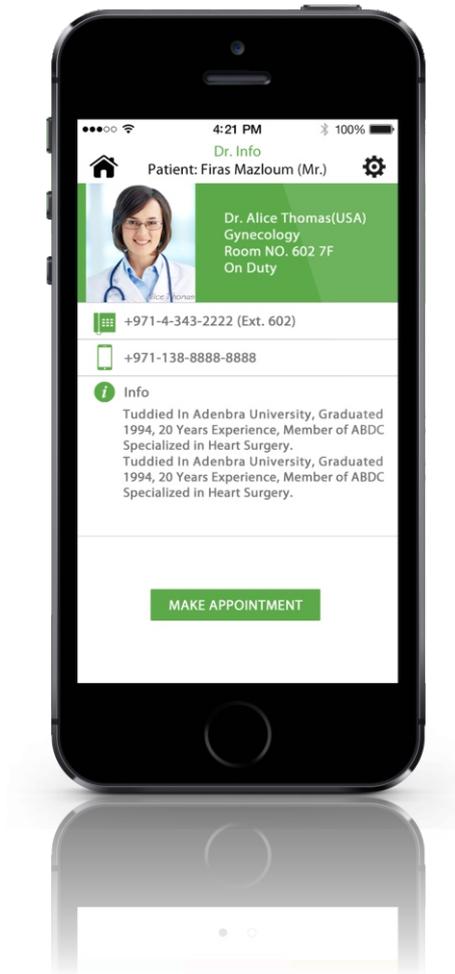**2)** What is my Que Number and what is the Estimated waiting Time:

Server calculate Time Based on Real Data of Today's Patern and Other Historical Pattern per Dr. And Calculate the Avg. Estimated Waiting Time.

This Gives Patient Flexibility to Do other Tasks during Estimated Waiting Time.

(D) What Functions Can Patient Use using Smart Hospital? …. Continued

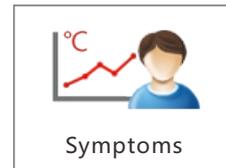**3)** Dr. Information and Expertiese

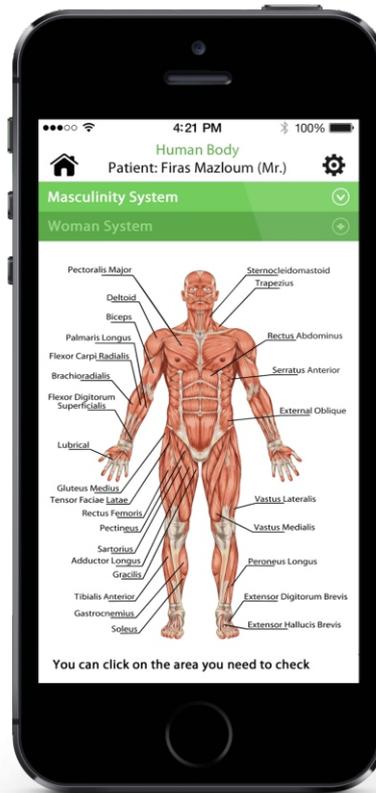**4)** Online Patient's Medical File info

(D) What Functions Can Patient Use using Smart Hospital? …. Continued

5) General Information and Medical health Advise + Lab Tests Types and Preparation Advises
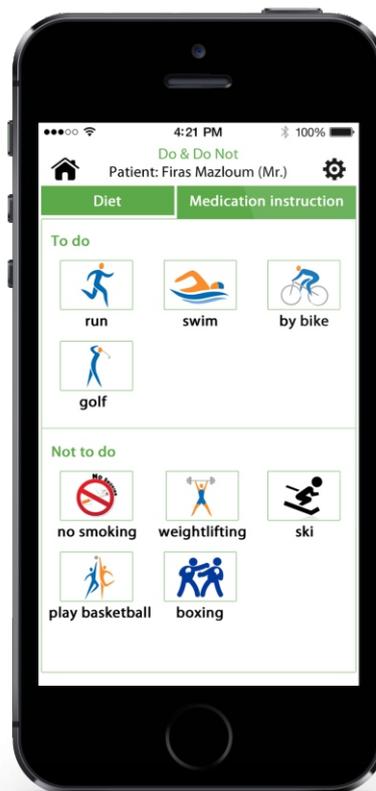

6) Current Medication:

(D) What Functions Can Patient Use using Smart Hospital? …. Continued
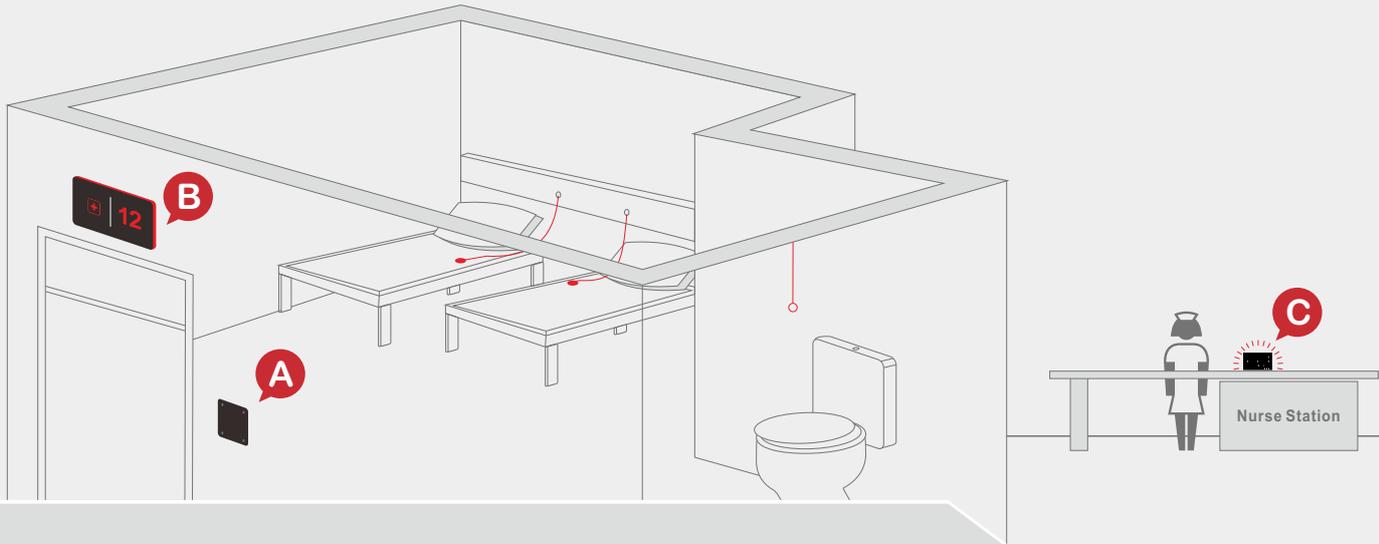
7) Dietary During Current Treatment:

8) Physical Allowed and Forbidden Activities:

Smart Hospital
In-Patient Smart-Clinic Devices

One of the Most important service features in any inpatient ward is Speed
accordingly, it was mandatory to make such service request reach the Medical Staff
at Nurse station with convenience,, Elegance and efficiency.
The Nurse Call System by Smart-Group Serves al these and deliver a cutting edge service level
Directly to Nurse Handheld Smart-Phones as well as to Hospital Server and Nurse station supervisor.

A: Nurse call Wall Panel

This panel is used to call Nurse. Also Nurse can use it to Report Service, Report Emergency, and to
Confirm Service Completed. The Panel Accepts 2 NO/NC Inputs (e.g. Bed Call Button and Toilet Call Button)
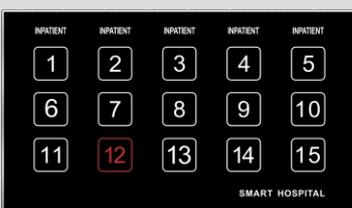
- White = Idle   ● Red = Nurse Needed Flashing   ● Green = Nurse Serving
- Emergency (To activate, keep Pressing on Call for 3 sec)

B: Room NC Display

This Nurse Call Display is Designed to Visually Alert Nurse Call Need and Serice or emergency status
with ability to View from Distance. The Pannel also Contribute and Can Add room Number to Its Display

- Green = Nurse Serving   ● White = Idle
- Emergency (To activate, keep Pressing on Call for 3 sec)   ● Red = Nurse Needed Flashing
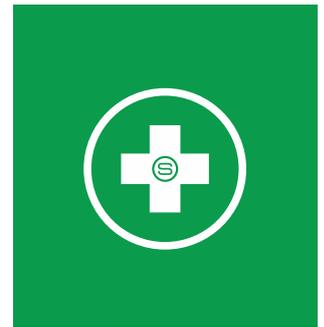
C: Nurse Station Module

The Nurse station is cascadable and Has Built in Backlet LED that displays Colored Request and service
status. This Elegant Table Top Station is Capacitive Touch, and can be controlled by Nurse Wishfully.

- White = Idle   ● Green = Nurse Serving
- Red = Nurse Needed Flashing   ● Emergency (To activate, keep Pressing on Call for 3 sec)

Smart Hospital
Out-Patient Smart-Clinic Devices

Outpatient in any Hospital is the first interaction between patient and Medical Staff
Smart-Hospital Solutions Designed by smart-Group Targeted to cover the missing parts
that other systems did not fully cover in simplified and very efficient paperless way.
The Inpatient Clinic status and Que System is an added feature that synchronizes with Hospital
server and Smart-Clinic App to deliver accurate information management to the Visiting out-patient

D: Door side Signage Control Elegant Panel

Outpatient Clinic Command Panel is Dr's Prefered Simple panel that can add to the smartphone
app allowing flexibility in control over the display status of the clinic.

- Green = Serving
- Red = Occupied
- None = Idle / Not Serving
- Yellow = Busy
- Blue = Preparing/Cleaning

E: Door Signage in Operation

Outpatient Door Signage Display is easy to understand using Color, text and illustration to
help indicate accurate clinic status in elegant and modern way.

- Green = Serving
- Red = Occupied
- None = Idle / Not Serving
- Yellow = Busy
- Blue = Preparing/Cleaning

Nurse Call

Call   Serve

Nurse Call

Call   Serve

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INPATIENT	INPATIENT	INPATIENT	INPATIENT	INPATIENT
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15

SMART NURSE CALL

INPATIENT	INPATIENT	INPATIENT	INPATIENT	INPATIENT
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30

SMART NURSE CALL

INPATIENT	INPATIENT	INPATIENT	INPATIENT	INPATIENT
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45

SMART NURSE CALL