**Patient Monitoring System**

Target Market,

Patients (paralyzed) who are discharged from the hospital need to be monitored regularly for the condition of their health. This application can be used for the patient who need to do basic test but unable/ have difficulties due to they can move.

Background Systems,

In hospitals they have ECG machines, blood pressure calculating machines…etc. but there are no devices (small) which can use when the patient is at home. There are systems but that cost a lot.

Solution,

Through our system it will calculate the patient,

* Pulse and oxygen level in blood
* ECG
* Body temperature
* Blood pressure
* Blood sugar level via IoT (internet of things)

How it works,

We have included some statistics gathered from doctor, like for a particular illness.

E.g. - for a paralyzed person he/she should have his/her heart beat rhythm, oxygen level, temperature, blood pressure and sugar level in this range.

With the gathered data from the patient through machine learning we will predict the condition of the patient for next 24hour. And we will monitor this time to time. If the patient condition turn over to a bad way it will inform to the respective doctors, guardian and to the hospital control panel for asking immediate assistance.

Technologies going to use,

* Machine learning
* Image processing
* Data mining
* IoT

**Fitness App**

Today we live in a fast moving world that people have less time to think about what they eat and how healthy they are. Even there are jogging places (diyawannawa exercise path, CINEC road exercising machines) people doesn’t know how to use them properly.

Target market,

We have target people who like to engage in sport activities and who like to keep their life healthy.

Background Systems,

* **RunKeeper** is one of our favorite fitness apps available for Android or iPhone that are geared towards running, hiking, and fitness walking. A run tracker like RunKeeper depends on the GPS features built into your smartphone to track your progress along detailed training maps.
* **Pocket Yoga** was made for anyone interested in doing yoga, whether they have never seen a yoga mat previously, or they have been practicing for years.
* **MyFitnessPal** this is the best diet tracker available for free. The app allows you to track your food intake as well as your weight loss progress.

Solution,

From this app we will allow user to scan a running track, exercise machine and identify the suitable exercise. Initially we will suggest exercises calculating the BMI. And this app will allow you to scan the meal you eat and calculate the calories you had for the day. Also it will show what are the exercises you need to do, to burn those calories you had. This app will have a small social media to keep in connected with the people you like

Technologies going to use,

* Image processing
* Augmented reality
* Real-time chat
* Data mining

**iBuilder**

Everyone have a dream of having their dream home. We hire architecture for this purpose. Till be build the house we have no idea how it’ll look like unless we pay more for get a model.

Target market,

Clients who need to build their home. Who have already confused with the architectures design. Who need assistances for the interior designing.

Background Systems,

* **Autodesk 123D Design, Sketchup and AutoCAD -** these are the tools which use for this purpose. But for a not architectural field person will find difficulties on using these applications.

Solution,

From the iBuilder application it will allow user to scan the side evaluations and build the 3D model on top of the blueprint (house plan). If the client need to design interior all he needs to do hold the camera to the place he need to design and place to furniture according to their desire.

How it works,

By providing the side evaluation and reading the basics components on blueprint it will create to 3D model. And when we scan a room we can add furniture’s, curtains, change the wall colors…etc. and it will match to suitable designs to your favors.

Technologies going to use,

* Image processing
* Augmented reality
* 3D modeling
* Data mining