Citizen Proposal for Smarter Delhi

Life Savior

*Life is Precious. Let’s Save one.*
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Proposal Details

Title of Proposal/Idea
Life Savior

Team
Anuj Wadhera  anuj.wadhera@ericsson.com ,
Ankit Kumar Garg  ankit.kumar.garg@ericsson.com &
Prakash Chauhan  prakash.chauhan@ericsson.com

Problem Area
Health

Affiliation
Ericsson

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Problem Description
Do You Remember the Headlines?

In Sep 2015, a 7-year old child died with Dengue after the parents failed to get him admitted in two of the top hospitals in Delhi. Parents committed suicide.

In the same month, another child died after 6 hospitals in Delhi refused admission.

Last Year, Delhi Govt. bought hundreds of additional beds to accommodate rising number of Dengue patients.
Delhi has its Unique Problems

A densely populated city like Delhi has its unique problems:

1. **Seasonal diseases like Dengue & Swine Flu:** Every year, several patients die of diseases like Dengue and Swine Flu.
2. **Limited Resources:** In 2015, Delhi had 2.71 beds per 1000, whereas WHO recommends 5.
3. **Traffic Jams delay Medical Treatment:** Due to traffic jams in the city, Ambulance movement is slower and treatment often gets delayed.
4. **Admission Process in Hospitals is not Transparent:** There had been numerous cases where admissions were denied to emergency patients. Admission criteria adopted by hospitals is not transparent.

Every year, in Dengue and Swine Flu season, many people die on roads of Delhi searching for a nearby hospital with available beds. Hospitals start refusing admissions. Ambulances are stuck in traffic jams.

Under such circumstances,

- How many emergency nos. will you call to check Availability of Beds?
- Will you travel hospital by hospital in search of beds?
- Do you know the fastest route to all hospitals in your area?
- How can you make sure that the needy gets immediate treatment?

The Big Question is:

**Will You Be Able to Save Life?**
Solution

Sometimes simple solutions can solve complex problems. In a city of 1.7 crore people, we need a way to efficiently utilize the limited resources available at our disposal. In Dengue season, there is bed crunch and we need to make sure that there is a convenient way to check availability of hospital beds in nearby areas. There should be a quick way to find and reach the right hospital on time instead of travelling hospital by hospital on jam packed roads of Delhi.

Life Savior mobile App is the solution. Its an Android app that saves precious time in getting medical help in an emergency.

What is needed for the App to Work?

1. All Hospitals registered with Govt. of Delhi, must broadcast LIVE data such as availability of beds in each room category.

2. Legal action must be taken against any hospital broadcasting manipulated data.

3. Delhi Govt. or any private authority will have a Web server which aggregates live data by all hospitals.

4. In case of a medical emergency, user will open Life Savior app.

5. The Life Savior mobile app will facilitate the user in quickly searching a nearby hospital with available beds.

Life Saviour provides all relevant features at the click of a button:

1. Live Bed Availability of all nearby hospitals updated through RSS feeds

2. Quickest route & assisted navigation to a Hospital based on Google Maps

3. Emergency contact details of all hospitals

4. Sort hospitals by proximity and bed availability

5. Filter hospitals based on distance, expected travel time and bed availability

6. Monitor hospitals such that the user is notified as soon as beds are available in these hospitals
Key Implementation Challenges
The solution takes bare minimum investment from hospitals. The key implementation challenge is to ensure compliance such that hospitals publish correct and live data to the servers.

Moreover, Govt. needs to make sure that hospitals publishing incorrect data would attract legal action.

Estimated Cost
Even a small hospital or nursing home can publish this simple data with virtually no investment. They just need to make sure that their Admission System is manually or automatically in sync with the published data.

Resources required for aggregating data are also very less as bunch of Web servers can handle an entire city. Even though the city population is huge, at any point of time people simultaneously needing help via this application would be limited in number.

Community that will help and expected impact
There will be lesser deaths on roads of Delhi with a simple system in place. It will lead to less panic in Dengue like medical situations when there is bed crunch in hospitals and hospitals have to refuse patients. People will no more run from hospital to hospital in search of beds. Moreover, a common man need not store several emergency nos., location and route to each hospital, one app will get him to nearest hospital with guided navigation.

Secondary Usage
Life Savior system can be also be used for following purposes:

1. Finding Hospitals in Remote Areas: When a person is traveling to a unknown territory & unfortunately meets an accident, there is no way to know nearby hospitals. The Life Savior app can be handy in such situations.
2. Analytics: User locations can be used to identify areas needing medical infrastructure. Govt. can use the data to identify hotspots needing immediate attention.

Thank You