

# **SOCIAL TRACK PROBLEM STATEMENT**

## **1. Rural outreach for oral health:**

Oral Health and Dental Health are very neglected issues in the rural parts of the country. People chew and smoke tobacco in huge quantities. They are unaware of the ill effects of tobacco and a bad oral hygiene. Since, there are no doctors in the area who specialize in treatment, the patients are detected at a very late stage.

Seeking for a tech solution to

- bridge the knowledge gap (educate and empower with knowledge)
- proper utilization/coordination with urban specialists to overcome manpower crunch

## **2. Educational Awareness regarding tobacco/drugs:**

The Government and ATTAC NGO are both targeting school children to reduce the use of tobacco. Studies show that children are more likely to become smokers/chewers/drug addicts- if they are exposed to the addiction in their early teens.

When interviews of young addicts (smokers/chewers) were carried out, most people confessed that they did not know about the harmful effects of addiction, some started due to peer pressure and now as addicts, they don't know how to stop.

If children at the beginning are informed about the harmful effects, we anticipate that they shall be protected in a better way.

Seeking for a tech solution to

- Informative and entertaining ways to engage with children ranging from 7<sup>th</sup>-12<sup>th</sup> standard
- Video/Audio/Audio-visual solutions to capture attention of children
- Design of informative Games/Gaming solutions for the problem of inadequate knowledge

## **3. MNC – Tobacco Cessation:**

A lot of adolescents and adults fall prey to the habit of smoking and other forms of tobacco. Suggest a portal that will help deter the adult population of the general masses from picking up this deadly habit.

#### **4. Tuberculosis:**

The Government is spending humongous monetary resources on Tuberculosis. Tuberculosis also called TB in short is spread from person to person through air droplets (like sneezing etc.). India is one of countries suffering from this disease. It's a life threatening condition and the medications are to be continued for 9months-12 months for complete treatment.

The Govt. has a provision that all aspects related the disease: like awareness and screening (telling people about the symptoms of the disease), diagnosis (if you have any symptoms- you can get further tests to confirm the disease), treatment (all medicines) and followup (maintaining yourself in a disease free condition).

Seeking for tech solution to:

- Increasing awareness among rural/urban poor regarding the symptoms of TB
- Case identification - Increasing reach of the program- if someone knows of a patient with such symptoms- immediate referral to the govt.
- Messenger/Reminder services for following up with patients for making sure they are taking medicines every month properly and following the regimen.

#### **5. Leprosy:**

Leprosy is a life-threatening condition. It can be transferred from one person to another. It causes decreased sensation of the hands and legs, sometimes accompanied by paralysis.

Seeking for tech solution to:

- Increasing awareness among rural/urban poor regarding the symptoms of Leprosy
- Case identification and creation of a database/dashboard to display the data existing the district.

#### **6. Ambulance:**

The ambulance service is Gautam Buddha Nagar reaches your doorstep if you dial- 108 or 102. Also there is another type of ambulance service

called the ALS (Advanced Life Support). The district has a total of 28 ambulances.

- Total number of Type 102 Ambulances in the district are 17.
- Total number of Type 108 Ambulances in the district are 9.
- Total number of Type ALS Ambulances in the district are 2.

Location wise allocation is:

Location	102 Ambulance	108 Ambulance	ALS Ambulance
Jewar	2	1	-
Dhankaur	1	1	-
Dadha	1	1	-
Bhangel	2	1	-
Bisrakh	2	1	-
Dadri	2	1	-
Badalpur	1	1	-
District Hospital	6	2	2

The problems faced by the Health Department are as follows:

- Tracking of ambulances
- Finding way to the patient's location as these locations are not on the Google Maps
- The person who receives the call when someone dials 102/108/District Hospital is a non- medical person and seldom knows the severity of the case.

Seeking for tech solution to the above problem.

## **7. Malnutrition among Children**

Govt spends a lot of money on a scheme called the Mid Day Meal Scheme, where all children who enrol in are also given free lunch. It runs in mostly all Govt Schools. But still we find a lot of children are not as healthy as they should be. There is a huge problem of malnutrition along children that can be figured out by doing simple/basic tests and the solutions are also easily available.

We seek technical solution

- To form database of school children and their nutritional status
- Give m-advice for simple cases

**8. Portal to display all Govt Health Schemes:**

Govt indeed has so many plans running in the district for the people.