

# Fine-Fettle

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# OUR TREK :-

- ▶ As a part of our trek, we chose to visit VPS Rockland Hospital, Dwarka, New Delhi on the 20th of January, 2018.
- ▶ The hospital is generally flooded with patients just like a common government hospital.
- ▶ We interacted with several people and asked them varying questions in accordance with our questionnaire and tried to find out what problems they faced that we could cater to.
- ▶ There were many people who did cooperate and help us in our survey.
- ▶ We had prepared a questionnaire.

## QUESTIONNAIRE AND ANALYSIS

We prepared some closed questions to be asked in our trek. These are some psychometric questions measured on a Likert scale (Marking on a scale of 1-5).

### List of Questions:

- Q1. How knowledgeable is the staff at this hospital?
- Q2. How easy or difficult is it to talk to the staff at this hospital about your medical condition(s)?
- Q3. Overall, how hygienic do you feel this hospital is?
- Q4. Do all medical equipments work properly?
- Q5. How comfortable is the lobby and the waiting area?
- Q6. Did your appointment with your doctor start early, late or on time?
- Q7. How easy or difficult is it to schedule your appointment at a time that was convenient to you?
- Q8. How often do you go to the doctor when you are feeling unwell?
- Q9. How often have you spent more than half an hour in waiting room?
- Q10. How often were you able to get an appointment within 48 hours for an acute/serious problem?

# QUESTIONNAIRE :-

**Table 1. Raw Data(Marking on a scale of 1-5)**

Participant Name (Age)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1. Mrs. Meena Sethi (30)	4	3	4	4	4	2	3	3	1	4
2. Mr. Raghav Jha (23)	3	3	5	4	4	2	3	2	2	3
3. Ms. Preeti Makkar (25)	5	4	4	5	4	1	2	3	1	2
4. Mr. Shyam Das (67)	4	4	4	5	3	3	3	4	1	3
5. Ms. Leela Jain (12)	4	4	5	4	4	1	2	3	2	2
6. Mr. Raghav Sharma (41)	5	3	5	4	3	2	2	2	1	3
7. Mrs. Parul Goel (44)	4	4	5	4	5	2	1	2	2	4
8. Mr. Vijay Gupta (76)	4	4	4	4	4	1	3	1	2	3
9. Mr. Rakesh Shah (60)	4	4	4	5	4	3	2	3	1	3
10. Ms. Seema Kaur (18)	4	3	5	5	5	2	2	2	1	3
AVERAGE:	4.1	3.6	4.5	4.4	4.0	1.9	2.3	2.5	1.4	3.0

## PROBLEM IDENTIFIED :-

- ▶ LONG OPD QUEUES.
- ▶ Patients go through two separate trials - one with the OPD doctor who then sends him/her to Admit Ward if required.
- ▶ Patients who need to get admitted to ward end up wasting time in the OPD queue.
- ▶ Time wastage of both patients and doctors.

## SOLUTION PROPOSED :-

- ▶ We planned to develop a web app - “ ”
- ▶ It takes as inputs the general health parameters .
- ▶ This parameter vector is then passed through our “LOGISTIC REGRESSION” Learning Algorithm based on one vs all scheme.
- ▶ The algorithm ,based on the already fed dataset ,predicts the health condition of a person and whether or not he/she should be visiting the OPD doctor or get admitted in the ward.
- ▶ This way the time of doctors and patients is saved as the patient goes directly to the ward or OPD doctor.



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## Welcome to Care and Cure Clinical Trial!

The future of healthcare...

It is believed that technology and development have reached heights but even today, there are a few sectors like our Health Care sector where patients often have to wait for a long duration before getting treatment. This wait is sometimes too long for a patient to survive...

Login or Sign-up for free to get started!

# SIGN UP!

## Display name

Required. 150 characters or fewer. Letters, digits and @/./+/-/\_ only.

## Email address

## Password

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

## Password confirmation

Enter the same password as before, for verification.





127.0.0.1:8000 says:  
You are now logged in!

OK

Login

Sign Up

## LOGIN

**Username**

mansi

**Password**

\*\*\*\*\*

LOGIN



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## DIAGNOSIS

**Diastolic Blood Pressure**

Diastolic Blood Pressure

**Systolic Blood Pressure**

Systolic Blood Pressure

**Respiratory rate**

Respiratory rate

**Pulse rate**

Pulse rate

**Temperature**

Temperature

**Sore Throat**

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## RESULT

Great News! You're absolutely healthy!



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## RESULT

As per our prediction, you might be suffering from TYPHOID!

But don't worry! Just visit the nearest OPD!



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First. Best. Always.



Thanks for visiting!

THANK YOU!

