



# “Smart Health Care Management System”

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## Abstract

This project is based on the Health Care Management System for Online Consultancy for people all around the world. This website basically allows us to Consult ourselves while sitting at our Home.

Diagnosis, and monitoring of health is a very important task in healthcare industry. Due to time constraint, people are not visiting hospitals, which might and possibly show a lot of health issues in one instant of time.

With the increasing use of technology, there is an urgent need to have such a smart health monitoring system that can communicate between network devices and application which will help the patients and doctors to monitor, track and record the patient's private data containing medical information.

a user can input their Symptoms and can get a list of Diseases that they can have and provides basic Information regarding that Diseases. It also provides link for more Information. Also provides Option for finding nearby Hospitals and Emergency Calls.

Then we explain in detail existing problems with smart healthcare and try to propose solutions to them. Finally, we look ahead and evaluate the future prospects of smart healthcare

## Introduction

New technologies have influenced many parts of our daily Life .

Today's healthcare system has also recognized the advantages of using Information and Communication Technology (ICT) to improve the quality of healthcare, turning traditional into smart healthcare.

“smart healthcare is defined by the technology that leads to better diagnostic tools, better treatment for patients, and devices that improve the quality of life for anyone and everyone.”

Smart healthcare is not just a simple technological advancement, but also an all-round, multi-level change.

The key concept of smart health includes eHealth and mHealth services, electronic record management, smart home services and intelligent and connected medical devices.

In the traditional medical monitoring systems, people have a strong dependence on medical equipment. With the continuous development of the society, people attach increasing importance to health problems.

We now have apps on our phones that can track our exercise and calorie intake, fighting obesity Under the smart medical mode, the medical sensor has the characteristics of energy saving and miniaturization.

It mainly relies on the mobile platform, overcomes the limitation of medical and health services in time and place, effectively improves the feeling and experience of modern people's medical and health services, and comprehensively improves the health level of mobile users.

This can help patients to improve their health monitoring efficiency and can reduce the potential death rate for the elderly. In this sense, APP health service platform is crucial for the people to manage their own health conditions and take measures to reduce the health risks.y and heart disease.

Watches are available to monitor our heart rates, which a doctor can then access to determine irregular patterns and possibly prevent a heart attack.

We will only see morefor professionals and patients as these medical innovations further develop.

## Literature Review

Through literature analysis, **Mohammadzadeh and Safdari**:-found that the monitoring and diagnosis system based on mobile health can reduce the medical cost and improve the efficiency in chronic disease management, but at the same time, it faces the risk of information leakage.

**Martínezpérez et al**:-after checking 247 papers and more than 3673 mobile medical applications, found that mobile medical application have a wide distribution in diabetes and depression, mostly used for condition monitoring, assist and inform three scenarios, medical assistance and monitoring program use frequency is the highest, information and education aspects of the application use frequency is low.

**Ms. Rima Patel:-** sincere gratitude to my advisor for the project and project related research, for her patience, motivation, and immense knowledge her study found that mobile anxiety, perceived service availability, and individual creativity were the main influence factors to influence behavior intention, lack of knowledge, and lack of input is considered health application USES the main obstacle

**Sir Dr. Amit Ganatra:-** They found that, In addition, there are also implanted medical monitoring devices on the market. The emergence of the above equipment effectively makes up for the shortage of traditional large medical equipment and effectively meets the needs of health management of all kinds of people.

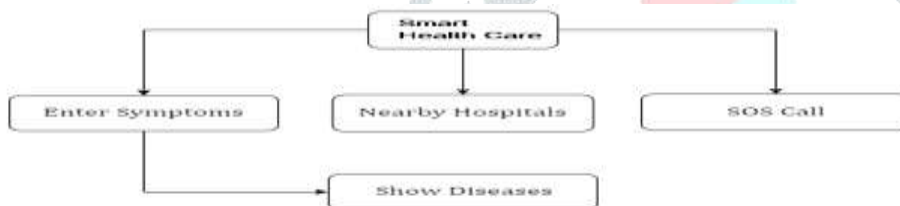
The above studies show that there are still big problems in the software quality , and there is a large room for improvement in the future.

## Smart Health Care Management System

### Major Functionalities

System Itself Divided Into Two Parts

- Nearby Hospital Finder
- Medicine Finder According To Symptoms



### ProjectSummary

This Project is entitled as Smart Health Care. It takes Symptoms as user's inputs and displays the list of Diseases as per priorities based on list of Symptoms provided by User.

- WELCOME PAGE
- HOME PAGE
  - Name
  - Age
  - Gender
- DISEASE CHECKER
  - Entering the Symptoms
  - Displaying of Diseases
  - Link for Detailed Information
- NEARBY HOSPITALS

- SOS CALL
  - Enter Number
- CONTACT US
  - Call
  - Mail
  - Location

## SYSTEMS REQUIREMENTS

### DJANGO PYTHON FRAMEWORK

**Django** is a high-level python web framework that encourages rapid development and clean,pragmatic design.Built by experienced developers,it takes care of much of the hassle of web development,so you can focus on writing your app without needing to reinvent the wheel.it's free and open source.

### DATABASE

**SQLITE** is a C-Language Library that implements a SMALL,FAST,SELF CONTAINED,HIGH-RELIABILITY,FULL-FEATURED,sql database engine.SQLITE is built into all mobile phones and most computers and comes bundled inside countless other applications that people use every day.

## CONCLUSION AND DISCUSSION

### \* Summary of ProjectWork

The importance of time bound and execution of work was realized. It gave me an experience to develop application like big official website.

The website is user friendly and can be run by any person with the help of android phone. The preparation of this project has helped a lot to learn the much unknown features .

### \*FutureEnhancements

Following are some aspirations specifying our future enhancements:

- To Obtain Information and contact details of Doctor concerned to your Disease.
- To Cover Up All the Diseases.
- To Suggest / Advice few basic Medicines for a Disease.

# SCREENSHOTS

## 1. Welcome Page



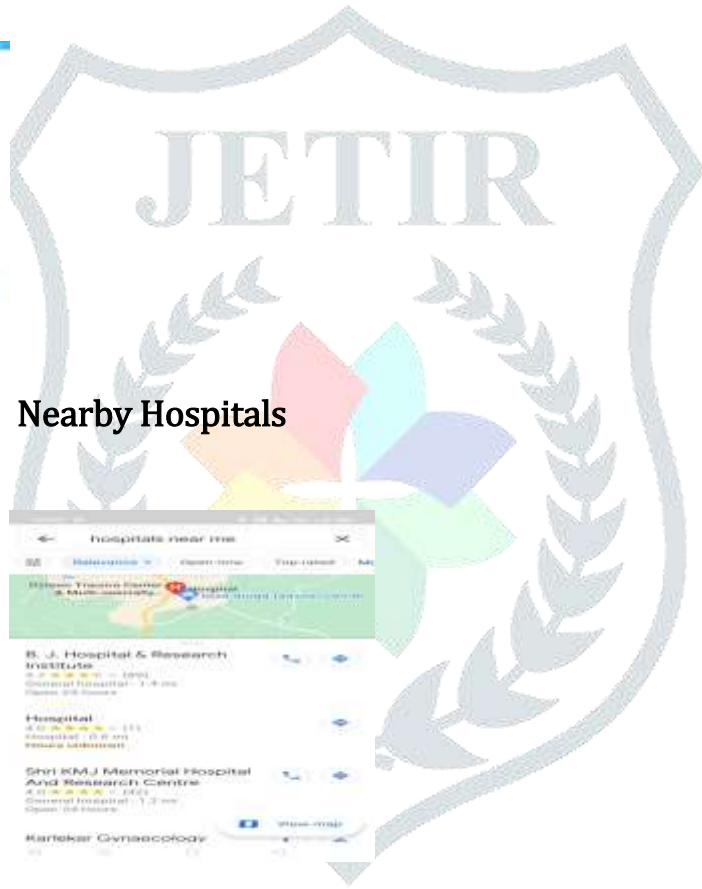
## 2. Home Page



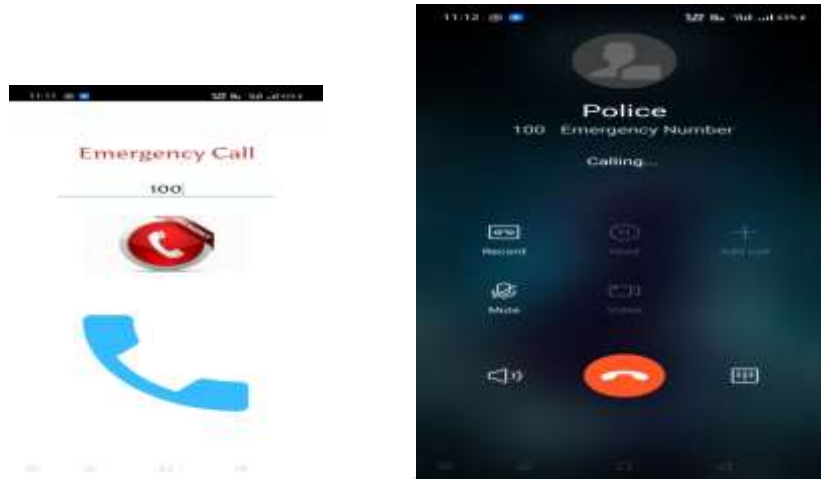
## 3. Disease Checker



## 4. Nearby Hospitals



## 5.SOS Call



## 6. Contact Us



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