Assisting Helping Hands with Enhanced Location Sharing

Dr.S.Sadesh
Computer science and Engineering
Velalar College of Engineering
Thindal, India

S.Nesika
Computer science and Engineering
Velalar College of Engineering
Thindal, India

A.Sangavi
Computer science and Engineering
Velalar College of Engineering
Thindal, India

Sriabirame
Computer science and Engineering
Velalar College of Engineering
Thindal, India

Abstract—The rapid developments in the functionalities of web applications and technological innovations play a vital role in providing location-based services in healthcare. A mental health sensor-based software platform has been developed by the Geospatial Technologies research group (Geodic), consisting of an application generation framework that offers basic geospatial building blocks (location tracking, trajectory recording, geo-fencing), communication building blocks (notifications) and a basic visualization of collected data for therapists. The framework has been successfully tested for building an application to treat agoraphobia, addiction, and depression, using location-based notifications. In the field of health, the location and movements of a patient is a key resource for the treatment of mental disorders (e.g. depression, agoraphobia, gambling addictions, etc.) we capture that person image. Using image processing algorithm train people and send to welfare health organization with corresponding location for protect people, we give the warning alert to corresponding welfare unit.

I INTRODUCTION

Health is wealth. All of us want to be healthy. However mere absence of illness is not health. A healthy persons, has a sound body. Healthy individuals are happy and contented. They have the ability to face difficulties, losses and frustrations. They are capable of living in harmony with others. Not only they are happy but also are able to do their best to keep others happy. They see that others are not put into trouble because of them. They also have certain moral and spiritual values. Such persons who are physically, mentally, socially and spiritually well can be considered to be healthy. People become physically ill due to many reasons. Under-nourishment, disease causing organisms invading the body, fluctuations in the environment, wear and tear of bodily organs, injury to the body, defective blood supply to specific organs of the body etc., can lead to illness. When an individual is ill, it is usual to consult the doctor and take treatment. Like the body, the 'mind' too can become ill. The person's sense of wellbeing and emotional equilibrium are disturbed. The functions like thinking, emotions, memory, intelligence, decision making etc., can get disturbed. Talk and behavior can become abnormal. As a result the ability to work satisfactorily can be impaired. It is easy to imagine and share the experiences with the various difficulties caused by damage or dysfunction to any part of the body. For e.g., all of us know what it is to have high fever, blindness or a broken leg. So we usually react and sympathize with a person who is physically ill or disabled. However, most of us do not understand what it is to be ill. We often fail to sympathize with a mentally disabled person. We often neglect such individuals. When a person becomes ill, such a person is usually not taken to a hospital immediately for proper treatment. To add to the problem, 2 currently most of the health care facilities

are available only in cities and towns. As a primary health care doctor, you are already aware of the goal 'Health for All by the year 2000 A.D.' Our country had accepted this goal. Provision and Promotion of health care is one of the 8 components of primary health care. Most people do not make use of the available limited facilities. It is estimated that less than ten percent of patients who need help, take modern treatment. Majority of the patient remain without getting help because of ignorance, fear, stigma, misconceptions and wrong attitudes regarding m illnesses, their causes and treatment. General public often consider that illnesses are caused by evil spirits, black magic, with craft, bad stars and bad deeds in the present or past life. Therefore ill persons seek the help of faith healers, (mantra Vadis) and magicians who perform puja, counter-magic, exorcism, or 4 offer prayers to Gods and give native / herbal medicines. Most often they do not know that modern doctors can treat illnesses similar to the treatment of physical illnesses. People have their own fears about hospitals.

LITERATURE REVIEW

A.Health monitoring with multimodal sensing and Machine learning.
Personal and ubiquitous sensing technologies such as smartphones have allowed the continuous collection of data in an unobtrusive manner. Moreover, research challenges in the field and future opportunities are also discussed.

*Bearable eye tracking for health monitoring***.**
Pervasive healthcare is a promising field of research as small and unobtrusive on-body sensors become available. However, despite considerable advances in the field, current systems are limited in terms of the pathologies they can detect, particularly regarding disorders.

Health care

The guidebook is intended to be a tool for community or hospital based healthcare providers working in settings where access to health resources has been limited or non-existent.

Physical Health Monitoring in Individuals with Severe

The audit included all adult patients (over the age of 18 years) registered at the selected General Practice (GP) with a coded diagnosis of severe illness.

Evilness Detection and Monitoring Bot using Predictive Analysis Approach
This work presents a solution for improving the traditional health remedies and the overall process of treatment for disorders.
Monitor Patients with Disorders
Healthcare systems face many socio-economic and geo-political challenges which include meeting the exponential growth in the demand for their services in human and resource management terms.

Sensing Technologies for Monitoring Serious Illnesses
Health is an urgent global issue. Around 450 million people suffer from serious mental illnesses worldwide, which results in devastating personal outcomes and huge societal burden.

H. PSYCHOLOGICAL DISORDER
Is common to find students new to psychology who believe the study of psychological disorders is psychology. Moreover, once they get to this unit, students bring with them preconceived notions regarding psychological disorders.

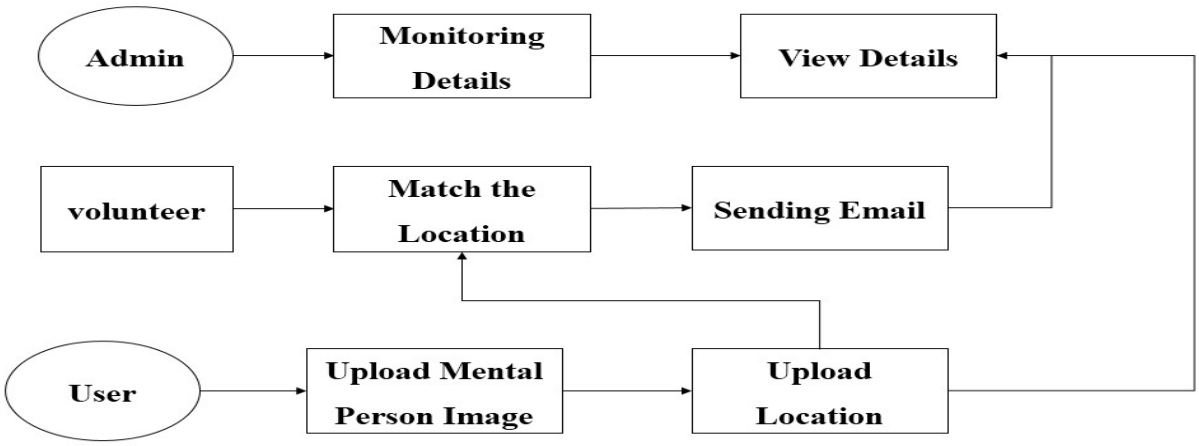
Health and illness
In all phases of a recent small-scale research project, conceptual confusion was identified in the literature review and among participants (Leighton 2008). Ironically, referring to illness in terms of health originated in the 1960s in an attempt to reduce stigma (Rowling et al. 2002).

J. Timeliness in Group Counseling of Health Education
In order to make the healthy development of human society, the development of psychological education curriculum is very meaningful. And as a group counseling mental health education curriculum, its number of

personnel is large.

II PROPOSED METHODOLOGY

In the proposed System, we proposed the dealing with High quality health system competent care and positive user experience—can have an effect on people's health, their confidence and trust in health systems, and economic outcomes. In this section, we present available evidence on morbidity and mortality linked to poor quality care. We also synthesize data on people's confidence in health systems, and we address the potential economic benefits of high-quality care. The quality of care that people receive also has important consequences for their confidence and trust in their government and health system, which can affect their decisions of when and where to seek. A system architecture diagram abstracts the relationships, restrictions, and boundaries between components of a software system. It's a crucial tool that provides a comprehensive overview of the software system's physical deployment and development roadmap. An architectural diagram must perform a variety of tasks.



A. Admin Login

- Connect patients in remote and rural areas with the best doctors of their choice.
- Provide essential medical services at the lowest possible cost.
- Provide a proper patient medical history management system.
- Provide proper patient monitoring equipment in remote areas, where medical reach is hard or disconnected due to lack of connectivity.
- Assist the medical workforce by using custom made AI tools.
- Ensure physical as well as well-being of patients.

B. User Registration

- User Registration is the first mandatory step.
- This Registration consists of Name, Email id, Mobile number, Gender, Address of an individual and asked to Create Password and Confirm Password.
- After completing these steps, the user can log in using his credentials and perform his desired functions.

C. User Login

- User login portal to use to capture photo on road side illness physically and mentally people.
- User uploaded the image and location on the area.

D. Volunteers Registration

- Volunteers Registration is the first mandatory step.
- This Registration consists of Name, Email id, Area, Mobile number, Gender, Address of an individual and asked to Create Password and Confirm Password.
- After completing these steps, the user can log in using his credentials and perform his desired functions.

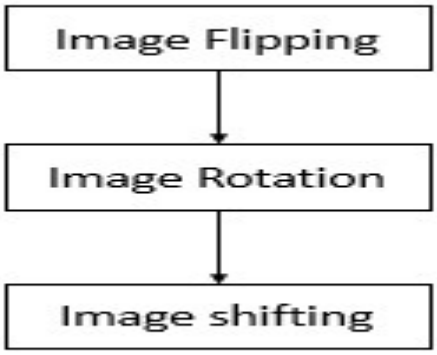
E. Volunteers Login

- providing volunteers with a portal for logging activity

- allow supervisors to oversee volunteer activity
- generate reports on volunteer activity for admins to use in grant proposals
- A map view with markers and other stuff making it easy for people to access.

F. Preprocessing of Images

- In preprocessing step we resize the images and pixel range [0 255] , pixel are resize as per each length and width
- All the images are collected as per input layers size we need to resize the all the images
- In image augmentation process we preprocess of images, image flipping, image rotation, image shifting.



- For more advanced preprocessing operations, to preprocess images for regression problems, or to preprocess 3-D volumetric images, you can start with a built-in data store. You can also preprocess images according to your own pipeline by using the transform and combine functions.
- To train a network and make predictions on new data, your images must match the input size of the network. If you need to adjust the size of your images to match the network, then you can rescale or crop your data to the required size.

II COMPONENTS

A. PYTHON

Python is an interpreter, high-level, and general-purpose programming language. Python's design philosophy emphasizes code readability with its notable use of significant indentation. Its language constructs and object-oriented approach aim to help programmers write clear, logical code for small and large-scale projects. Python is dynamically typed, and garbage collected. It supports multiple programming paradigms, including structured (particularly, procedural), object-oriented and functional programming. Python is often described as a "batteries included" language due to its comprehensive standard library.

B. PYTHON FEATURES

Python is often comparable to Perl, Ruby, PHP, Scheme, and Java. This is because it is an incredibly powerful object-oriented language. Python also has several notable features which make it an enticing language to work with for developers.

C. REASONS FOR CHOOSING PYTHON

Python is a high-level, object-oriented general-purpose language, that is versatile and can be used for nearly anything. It is commonly used to develop web and mobile applications, website crawlers, indexers, daemons, and desktop GUI apps. When a language is referred to as "high-level" it is because the syntax and commands it recognizes are closer to human language instead of that of a computer.

D. Frameworks in Python

Python is one of the most popular and effective programming languages that contain vast libraries and frameworks for almost every technical domain. Python frameworks automate the implementation of several tasks and give developers a structure for application development.

E.Django

Jingo is a popular open-source full-stack Python framework that includes all the necessary Python features by default. It follows the DRY principle - Don’t Repeat Yourself. Jingo uses an ORM or object-relational mapper to map objects to database tables. This helps house the object-oriented paradigm to manipulate data from a database.

III RESULTS

All the test cases mentioned above passed successfully. No defects encountered. All the test cases mentioned above passed successfully. No defects encountered.

IV CONCLUSION

Health issues are prevalent among people of all ages. Many Health issues have different symptoms, which are very hard to understand in the beginning. Most symptoms cause various complications later, some of them mentioned above in the paper. So, we propose a model for self-Health Assessment using Machine Learning Approach (Supervised Learning) to screen Health by using a Mental Disorder Questionnaire. For testing Models, we focus on students of all levels because they are a soft target of mental health issues. We conclude after testing and validation that our proposed model can be more effective if more work on Symptoms studies and need to be specific for disorders. It can be used on a large commercial scale with the help of the Specialist of Health issues for surveying humanity because the merger of technology and causes mostly gives positive results.

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