An application of emergency assistance using GPS

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ABSTRACT

This application emphasis on to find the location and giving the first aid info to the victim, during the time of the emergency case issues. This application deals with the present problems faced in the society by knowing the troubles of the people during the emergency of hospitalization. When a person met with the emergency of hospitalization, other users near to him can take the picture and can upload that to this application, as well as for a while he can find the prescription for that by choosing the options already present in the applications. The target of this application is to help the public who need to hospitalize during the emergency. So, it is a social application and also helps police station and ambulance to get the required information on a few clicks. The goal of this application is to find the people who are in trouble by sending their pictures to circulate the message to the police or hospital immediately during the emergency hospitalized cases.

***Keywords**— Biometric, GPS, First Aid, Hospital, Victim*

1. INTRODUCTION

Internet plays a vital role in exchanging the information through e-mail, chat, etc. Users can get the information of advanced services through the creative use of the Information Technology. Regarding to this the patients, people who met with the accidents, sudden heart attacks or any snake bite requires the first aid before reaching hospital for further treatment.

In the traditional approach whenever people met with an accident, such as snake bite, heart attack, accident, etc., they will be in need of first aid before reaching hospital. For reaching hospital, they need the ambulance service which provides first aid necessities to the patients. So whenever any problem occurs in persons, the ambulance may reach the spot and gets delayed in the first aid service and reaches the hospital too late. Since there is a late service given to the person who suffering from a lot without proper treatments.

To get all the information at their fingertips to the publics, we have introduced our android application. The application mainly deals with the features called, first aid, hospitals, ambulance as well as police. The main concept of this application is to save the life of a person during they met the emergency issue.

Here this application divided into two parts mainly (a) First Aid info, (b) Ambulance or Hospitals. First aid is the immediate treatment or care given to someone suffering from an injury or illness until more advanced care is accessed or they recover. While a person met with the emergency, the information regarding to the case can be obtained in this application.

The aims of first aid information, including in the application are:
- To preserve life.
- Prevent illness or injury from becoming worse.
- Prevent further injury – stop the person from being injured even more. If possible, an injured person should not be moved. First aid can include how to safely move injured people -- or move them anyway with less harm if there is no choice.
- Promote recovery – try to help the person heal their injuries.
- It can reduce recovery time.
- Prevent a severe injury from becoming a chronic problem.
- Gives you the ability to provide help in emergency situations.

While the emergency occurs, any other who present in the spot of the emergency can take the pick of the issue and post the pick in the application. While posting the pic of the victim the message must be sent to the hospital and police station, which is near to the present location. This helps the ambulance to reach the location easily as well as to prepare the further actions in the

hospitals[1,2,3]. While the person met with the emergency, people surrounding with them can login to the app and can get the first aid information, by taking the pick they can post in this application, it will reach the nearby police station as well as the hospitals. Nowadays aadhar is essential in India during the making of the aadhar card, our details along with the iris reorganization, thumb impression and some of our details like phone number and our permanent address is also saved. By using this aadhar thumb impression, which is called biometric[9-12]. When a police going to take the victims biometric it can be helpful to find the identity of that unknown person details. This flow can help the people get the treatment easily as well as to know the persons information.

2. EXISTING SYSTEM
In the present system, if anywhere the person met with any emergency and needed to be hospitalized, can call the ambulance or send the patient to hospital by using any vehicles, during that time of availability, there is a chance that the patient may be serious, only waiting to be hospitalized in some aspects people didn't know about the first aid information to the particular emergency case. While knowing the emergency case some people are afraid to inform about the issue to hospital and to the police.

3. PROPOSED SYSTEM
The Proposed system solves above stated problems. This system helps the person who is suffering from the disease or any emergency like snake bite anything, etc., can get the first aid information through our application which are already stored. At some of the time victims needs to be hospitalize, at the time of emergency, people surrounded by the victim can use this android application and can take the picture and can post through the app by posting the pick they can choose the options for reasons for hospitalization. During this time the reason for the hospitalization also send to the hospital, this can helps the hospitals to make some arrangements regarding the victim's health, in the hospital. While sending the pick the application provides the feature of GPS location which is helping to track the victims place easily and first aid information is stored in the database [4,5]. This application tries to give the information about the first aid and about the injured person location to save the life of that person.

4. METHODOLOGY
(a) A User who wants to use the app, must be registered to the application username and password can send via SMS.
(b) During the emergency they can login to the system by using their username and password.
(c) While posting the injured or emergency cases, pick the current location can be automatically sent to a nearby hospital and police station[6,7,8].
(d) While posting the pick user can get the options for the reasons for hospitalization, this would help the hospitals to make some precautions.

5. OBJECTIVES
(a) All information regarding to first aid and disease obtained easily.
(b) The location of the person , who need to be hospitalize can be tracked easily.
(c) Information Send to nearby hospital and Police station automatically.
(d) By taking the biometric of the injured person can help to get the information of the person.
(e) User friendly and 24/7 availability.

6. CONCLUSION
In this competitive world, quicker execution, user satisfaction, timely and correct info became valuable pre-requisite. This application is developed with the actual fact in mind, that net primarily based application, have become additional and additional standard.

Our application could be a net application developed victimization, that is developed for the use by the patients who need to be hospitalize, before going to hospitalize him, at least he need some first aid, during this time users can get the first aid information regarding to the diseases by using the app, and the information about the victim from the present place can be sent to the hospital and nearby police using a few clicks automatically.

7. ACKKOWLEDGMENT

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