

# Complete First Aid App

K.Dhayaneshwar, M.Karthik, B.Sharmila

UG Students Department of computer science of Engineering, Sriram Engineering College,  
Anna University, INDIA.

[dhaya10s2015@gmail.com](mailto:dhaya10s2015@gmail.com), [karthikkarthi7299@gmail.com](mailto:karthikkarthi7299@gmail.com), [Poojababu0811@gmail.com](mailto:Poojababu0811@gmail.com)

## Abstract

It is an app with containing 75 topics categorised as 3 classifications arranged optimally to provide easy retrieval. Every topic has its description, pictorial representation, symptoms, dos & don'ts. Each and every piece of information is evaluated by a doctor. Using Complete First Aid you can also search hospitals if you have data or wifi connectivity. The look and feel of the Complete First Aid app is totally attractive and gradient. UI is clear with iconic representation of buttons and UX is very simple to understand.

## I. INTRODUCTION

Complete First Aid app is an easiest way to get valuable first aid information. It is combination of simplicity and complexity. Complete First Aid produces complex data and shows to user as an absolutely simple info. It is an android Application with the power of java activities and xml layout. It contains topics which are not restricted to any specific local region but gathered by keeping in mind of global audience. All the contents are evaluated by a doctor. To use this app, user don't need to be a medical professional, medical background person or first aid practitioner, they just need 49.61 mb space in your phone and intension to save a life from death.

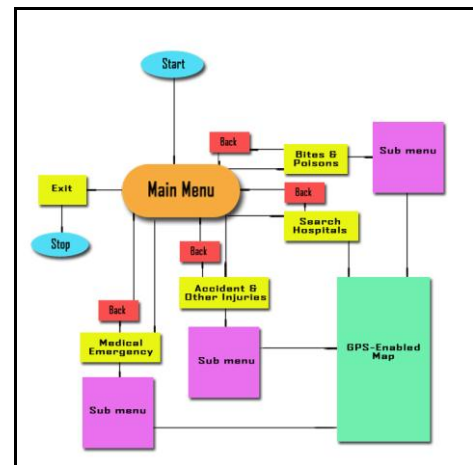
## II. EXISTING SYSTEMS

There are bunch of apps in playstore to provide first aid information but not much efficient as 'Complete First Aid' application. None of the app existing in playstore cover this much information that is covered in 'Complete First Aid' application(75 topics). Existing apps don't have attractive UI and smooth UX. Inbuilt GPS enabled map feature is not available in any app.

## III. PROPOSED METHODOLOGY

Complete First aid app contains 75 topics from different conditions taken in account to provide suitable first aid resources for the people

across the world. Main menu contains 4 menus such as 'Medical Emergency', 'Accident & Other Injuries', 'Bites & Poisons' and 'Search Hospital'. Buttons are crafted with animated pictorial representation for quick understanding and thus breaking the age barriers.



**Fig 3.1 Architectural diagram**

### A. Medical Emergency:

The medical conditions which is caused by internal body factors and don't have connection with external causes are clustered in this menu. It contains 14 topics which are as follow:

- Wheezing
- Choke

- Croup
- Delivery
- Diabetes
- Heart Attack
- High BP
- Hypothermia
- Low BP
- Nose Bleed
- Seizure
- Stroke
- Unconscious
- Cardiac Arrest

**B. Accident & Other Injuries:**

The Physical effects occurred due to external factors are clustered in this menu. It contains 26 topics which are as follow:

- Amputation
- Bleeding
- Bullet Wound
- Burn Major
- Burn Minor
- Chemical Attack
- Concussion
- Dental Injury
- Eye Injury
- Fracture
- Frost Bite
- Heat Cramp
- Water Drowned
- Joint Dislocation
- Nail Injury
- Nose Injury
- Puncture Wound
- Radiation Attack
- Road Rash
- Spinal Injury
- Splinter
- Sprain
- Stab
- Strain
- Sun Burn
- Tick Removal

**C. Bites & Poisons:**

The effects of venom due to sting or bites of poisonous insects or ingestion of substance causing poisonous effects are clustered in this menu. It contains 32 topics which are as follows:

- Ant
- Aquatic Stings
- Bed Bug
- Bee
- Caterpillar
- Centipede
- Dog
- Fly
- Frog
- Human
- Scorpion
- Snake
- Spider
- Tick
- Wasp
- Agriculture
- Alcohol
- Bath Salt
- Button Battery
- Carbon Monoxide
- Cyanide
- Drug
- E Cigarette
- Food
- Glow Stick
- Heavy Metal
- Hydro Carbon
- Inhalants
- Moth Ball
- Mushroom
- Tetrodotoxin
- Nicotine

**D. Search Hospital:**

Quick access to map is provided here to get a look at nearest hospital. Immediate wifi is turned on automatically, and user is notified to turn on mobile data. Apart from that user is directed to turn on location access inside this menu itself. User can

simply search route by drag and pinch method. GPS helps user to locate his current location.

**E. Individual topics:**

It's the unit resource of this app. Every topic contains following sections:

- Definition
- Pictorial representation
- Symptoms
- Do's
- Dont's

Apart from this, every topic page contains quick map button directing user to search hospital menu. Each Topics are evaluated by MBBS certified Doctor.



Fig 4.3 Medical Emergency submenu

**IV. RESULTS**

**A. Splash Screen:**



Fig 4.1 Left: icon and Right: Splash Screen

**B. Main menu:**

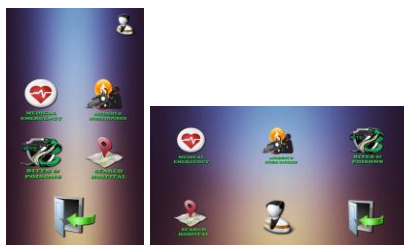


Fig 4.2 Main menu, Left: Potrait devices and Right: Landscape devices

**C. Medical Emergency:**

**D. Accident and Other Injuries:**



Fig 4.4 Accident and Other Injuries submenu

**E. Bites and Poisons:**



Fig 4.5 Bites and Poisons submenu

**F. Search Hospitals:**

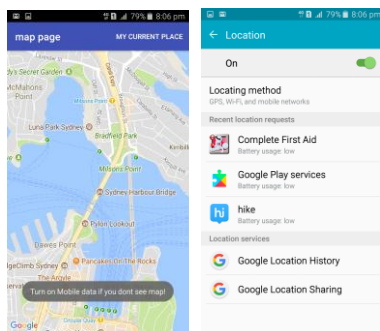


Fig 4.6 Left: Mobile data notification and Right: Location access window

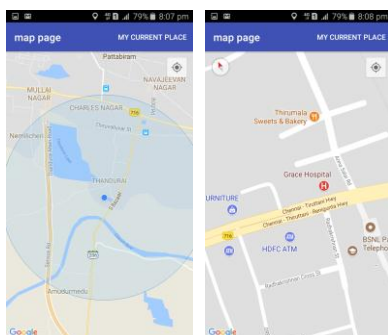


Fig 4.7 Left: Current device location and Right: Nearby hospitals

**V. FUTURE ENHANCEMENT**

This app will be followed by an sequel ‘Complete First Aid +’ with additional feautres. Sugestions to nearest hospitals will be provided to the users in that sequel. Apart from that more topics will be covered. After that two more versions of this app will be released such as ‘Complete First Aid Lite’ and ‘Complete First Aid 2’ where former will focus on webapp of very low rom consumption less than 6mb and latter will be an new attempt to teach first aid information pictorially. All these apps will be uploaded in playstore and made available to people around the world at no cost.

**VI. CONCLUSION**

This app will surely draw userbase of minimum 5000 with total installation crossing 100 thousands. This will serve people around the world atleast save a single life at any corner of the world. Incase of financial assitant provided, and enough fundings provided, this app may be presented to wider range of audience resemption and will help in better implementation. This app may also act as advertising tool to promote marketing first aid kits, ambulance service, trainings, etc based on sponsorship provided. Beyond economical success the actual objective of this app is to save atleast one life on the earth.

**REFERENCES**

- [1]<https://www.healthline.com>
- [2]<https://www.webmd.com/first-aid>
- [3]<https://www.wikihow.com>
- [4]<https://www.nhs.uk/Conditions/Pages/hub.aspx>
- [5]<http://www.sja.org.uk/sja>