

# **REVIEW (0) – SOFTWARE TESTING(SWE 2005)**

**PROJECT TITLE :- “EDEN FIST” ~A grip on the future.**

## **TEAM MEMBERS:-**

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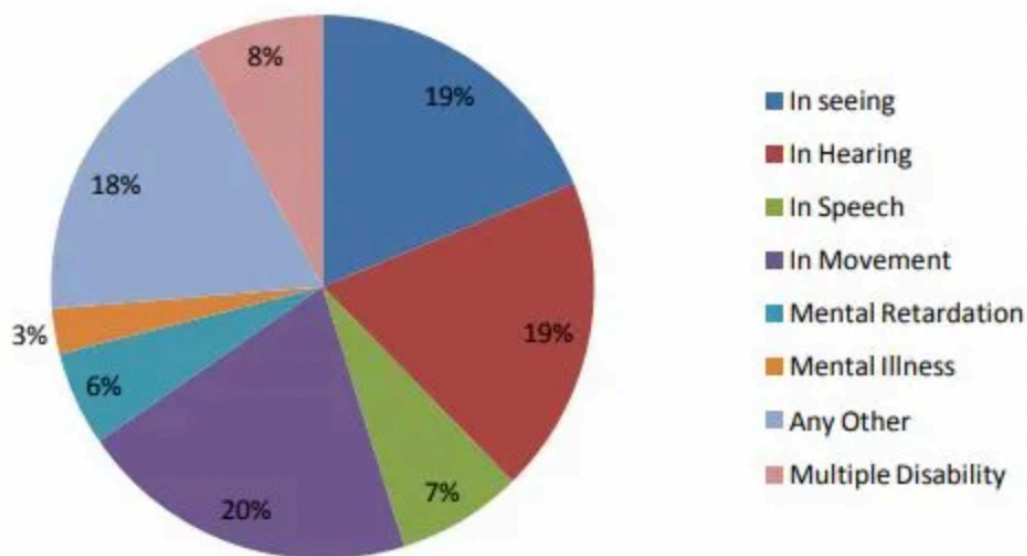
## **ABSTRACT:-**

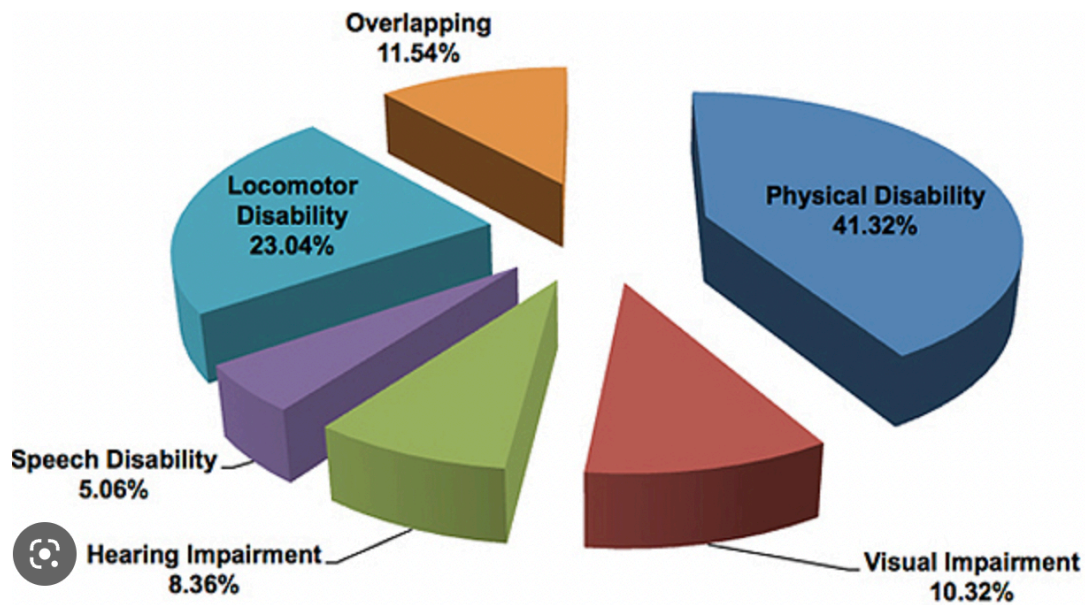
Communication is the only medium by which we can share our thoughts or convey the message but for a person with disability (paralysed or dumb or just recovered from coma) faces difficulty in communication with normal person. Because of this, a person who lacks in speaking ability is not able to stand in race with normal person. So there is a barrier in communication between these two communities. This work aims to lower this barrier in communication The main aim of the proposed project is to develop a cost effective system which can give voice to voiceless person with the help of Smart Gloves. It means that using smart gloves communication will not be barrier between two different communities. With the help of these gloves disabled person can also get chance to grow in their respective carrier. Using such devices by disabled person also makes nation grow.

The noble aim behind this project is to design a health care smart glove which will be helpful for paralyzed and mute people as well as for the detection of heart attack. A Dumb individual all through the world uses gesture based communication for the correspondence. The progression in implanted framework can give a space to plan and build up an interpreter framework to change over the communication via

gestures into discourse. As sign language primarily used by deaf but also used by people who can hear having problem in speaking so the approach used in this analysis is vision based. The glove uses are fitted with flex. Heart attack is the major reason for death among both genders men and women. However, its occurrence cannot be always predictable. Most common device used to detect heart related problems is an EKG machine which is reliable to normal user, but is not mobile enough to be used as a monitoring device for a heart patient continuously. This project is to develop an algorithm for detecting a heart attack and if so, then to alert doctors, family members and emergency services. Hence here we introduce a smart health care system which will take care of problems and need of paralyzed and mute people and will also help in detection of heart attack by tracking oxygen level and pulse rate.

**Fig. 3.4: Disabled population by type of Disability in India - Census, 2011**





## **STATISTICS:-**

- 10.32% people have vision related disabilities
- Another 8.36% people have hearing related disabilities
- 5.06% people have speech impairment
- 23.04% people have locomotor disabilities
- 41.32% people have other physical disabilities
- 11.54% people are having overlapping problem.