Abstract

In India, Alzheimer's is becoming prevalent as the country continues to grow with the enormous population. Also, more than 4 million people in India suffer from some form of dementia [21]. The gravity of this situation makes Alzheimer's and Dementia disease an emergency mental health issue must to be addressed.

Till now the research directions are directed towards enabling technology assistance for patients' suffering with Alzheimer’s and Dementia in mainly two ways: Assisting in day to day life and Helping in memory recall and reinforcement. The third major challenge to be addressed is monitoring 'Wandering Behavior'. It is observed in study that among many other challenges related to monitoring and offering care to Alzheimer's and Dementia patients, wandering behavior is the most challenging to manage.

In this work, a wearable jacket for location tracking in order to keep track of patient is proposed. The objectives of proposed work are: Implement visual display for assistance, implement easy
Extended Aid to Alzheimer and Dementia Patients using Novel Wearable Technology

to carry and maintain wearable, aid caregiver and patient and offer user friendly interface

References

1. http://www.who.int/news-room/fact-sheets/detail/dementia
16. https://www.day-clock.com/day-clock.html
17. http://www.safewander.com/
Extended Aid to Alzheimer and Dementia Patients using Novel Wearable Technology


Index Terms

Computer Science

Information Sciences

Keywords

Dementia, Alzheimer, wearable jacket, location monitoring, GPS tracker, assistive technology, mobile based technology, wearable technology.