Abstract

The word dementia describes a set of symptoms that could contain recollection defeat and difficulties alongside thinking, problem-solving or language. Dementia is provoked after the mind is broken by illnesses, such as Alzheimer's illness or a sequence of strokes. There are hundreds of requests obtainable to aid those recognized alongside dementia. But there are no apps or multimedia that can intimate a person whether he is possessing dementia or not. In established methods, a scope of examinations and diagnostic procedures are given to recognize dementia. These examinations for dementia are generally examinations of mental skills, blood examinations and mind scans. In this paper a novel method for noticing dementia is counseled by discerning recurrent adjustments in the steering outline of a person employing smartphone sensors and DTW algorithm, counseling possessing medication in advance beforehand the condition can become inferior in case the person is discovered to have dementia.


**Index Terms**

Computer Science  
Algorithms

**Keywords**

Dementia, Alzheimer’s, DTW (Dynamic Time warping), accelerometer, magnetometer, gyroscope, SMA (simple moving average).