

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM



**Shri Dharmasthala Manjunatheshwara College of Engineering
& Technology Dharwad-580 002, Karnataka, India**

(Autonomous Institution under Visvesvaraya Technological University, Belgaum-590 018)



Project On

**AN EMBEDDED NAVIGATION SYSTEM FOR
AIDING PEOPLE WITH ALZHEIMER'S
DISEASE**

Sponsored by K.S.C.S.T, Bangalore

Under the Guidance of
Prof. S. S. Navalgund

[Asst. Professor, Dept. of Electronics and Communication Engineering]

Submitted By

Ms. Jayashree Taralabanchi

2SD08EC032

Ms. Kavana Hegde

2SD08EC036

Ms. Soumya Hegde

2SD08EC097

**DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING**

VIII Semester, B.E

Academic year 2011-2012

ABSTRACT

Alzheimer disease is a progressive irreversible brain disease that destroys memory and thinking skills. It is a part of dementia, a loss of memory and intellect that interferes with daily life activities of Alzheimer patients. They even forget what they are doing and what they want to do. In this paper an attempt is made to provide solution for the memory part of the problem.

This paper is aimed to design a program based hardware which can be even loaded into mobile. It helps the people with Alzheimer disease by alerting them if they are not moving in the predefined path. For example, if a person wants to go to the college and he goes somewhere else, then this system will inform him with proper message. If the person is performing the intended task, then the system just monitors it. This prototype design can be implemented on 8051 microcontroller.