INTELLIGENT PASSENGER ALERT SYSTEM

(Sponsored By Karnataka State Council for Science & Technology)

A Project Report
Submitted in partial fulfillment of the requirements for the degree of
BACHELOR OF ENGINEERING
IN
ELECTRONICS & COMMUNICATION ENGINEERING
(VISVESWARAIAH TECHNOLOGICAL UNIVERSITY, BELGAUM)

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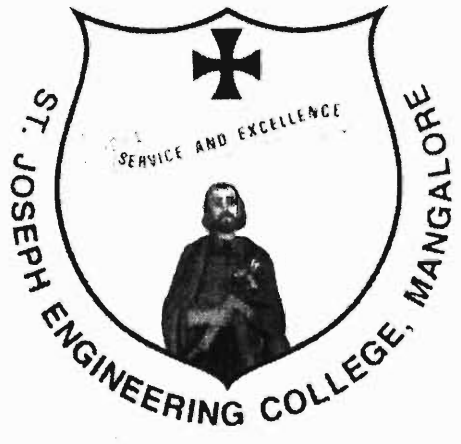

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MAY 2009

ABSTRACT

Travelling is a very important aspect of the human life and generally people travel to different places all but very often. Even travelling to places within the same country or state can be very dire as it leads to time lapse and hard physical conditions. People generally travelling by buses or trains during a long journey find it difficult to stay awake or keep up with the destination they are entitled to.

Here we present a project that deals with the very same problem of the traveller with a very sophisticated scheme where an embedded system is used. It contains 2 microcontrollers (AT89C2051 and AT89S8252), an odometer/speedometer, led display, liquid crystal display and a vibrator.

The liquid crystal display, LED display and the vibrator are used to alert the passenger when his destination approaches. The memory present in the microcontroller is used to assemble the 3 methods together to provide a better and safe journey for the passenger thus avoiding any unnecessary hassles. This project is completely automated wherein the passenger has to just sit back and relax while the bus/train takes care of the destination he/she has to reach.