"AIR POLLUTION DETECTION AND TRAFFIC DENSITY ANALYZER "
– BY WIRELESS TECHNOLOGY

(sponsored by K.S.C.S.T., Bangalore)

A Project Report
submitted in partial fulfillment of the requirements
for the award of the Degree of Bachelor of
Engineering in Electronics & Communication
of the Visvesvaraya Technological University, Belgaum

Submitted by

Bangarimath Karuna
Rahil Shaikh
Keertika
Reshma Channappanavar

Under the Guidance Of

Prof. Ashwini Desai

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

K.L.E SOCIETY'S
COLLEGE OF ENGINEERING AND TECHNOLOGY
UDYAMBAG, BELGAUM – 590 008

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
2009 - 2010

ABSTRACT

In Metropolitan cities problems caused due to Traffic, Air Pollution and Natural Calamities like heavy rain have imposed many problems to day to day activities. Rapidly increasing number of vehicles, improper maintenance of roads has resulted in heavy traffic. Due to this there is an increase in accident rate resulting in loss of life and property.

Observation has shown that the present day traffic control is time based. If we observe into metropolitan areas, the time at the traffic signals is about 10 to 15 minutes. We see that if the traffic control point is of time based then there may be GREEN light to the roads with no or less traffic for a long time, and RED signal for the heavy traffic roads. The major drawback of this system is wastage of time. There is a need to overcome this problem. The other deadly issue faced by metropolitan city is Air Pollution. Air pollution in metropolitan cities has shown that breathing unhealthy air can be dangerous and at times deadly.CO is poisoning to such an extent every year that 200 to 250 people died in mines abroad. So there is a necessity to undertake the preventive measure and save life. Natural phenomena viz heavy rains, floods, fire mishaps etc may cause disturbance in travelling. There are chances of road blockage because of which vehicles passing through the blocked route may face problem. So there is need to inform the vehicles before entering that particular road to take alternate path.

In our project an attempt has been made to provide solution for the above problems.