

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELGAUM 590014



A REPORT ON PROJECT WORK

**VIDEO SURVEILLANCE FOR SMOKERS & FIRE
DETECTION USING CELL PHONE WITH EMBEDDED
TECHNOLOGY**

(Sponsored by Karnataka State Council for Science & Technology (KSCST), Bangalore)

Submitted in partial fulfillment of the requirements for the award of the
degree of
**BACHELOR OF ENGINEERING
IN
ELECTRONICS AND COMMUNICATION**

PROJECT ASSOCIATES

PRISOOMIT PRIYAJYOT NAYAK
ROSHAN SHAH

4BD05EC053
4BD03EC065

Project Guide

Mr. Vijay H.M.
B.E, (M.Tech),MISTE

HOD

Prof. K.M. Chandrasekharaiah
M.Tech, MISTE, MIE (Ind), MIEEE

Principal

Dr. B.T. Achyutha
M.Tech, Ph.D, FIE, MISTE



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Department of Electronics and Communication
Bapuji Institute of Engineering and Technology
Davangere, Karnataka-577004

ABSTRACT

With the SMOKING ban being official now, it's time that we keep track of the defaulters, so that we can impose fine and this will assist in curbing smoking in places banned for the same. This system will be installed in the place where smoking is banned and if any one tries to smoke, the sensor will pick up the smoke and will send the signal to the PC using microcontroller and at the same time activate the buzzer. Immediately, an SMS is sent to the concerned persons from the PC and we can send 2 SMS to 2 different security personnel, after which the Web cam connected to the PC will continuously monitor the video and the same can also be recorded for a very short time as the proof.

In the same way whenever there is fire, the room temperature increases and the temperature sensors picks up the signals and will send the same to the micro controller, which will perform the required tasks.

The mobile phone used by the police, security personnel or the people in charge, will have a software, which when selected will receive the live images from the PC and they too can keep track of the offender or informs the location of fire for immediate action.