

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"Jnana Sangama" Belagavi – 590 010



PROJECT REPORT ON
"TRAFFIC SIGNALS AND ACCIDENT STUDY ON
NATIONAL HIGHWAY – 169 BETWEEN MOOBBIDRI TO
KARKALA"

Submitted in partial fulfillment of the requirements for the award of degree

BACHELOR OF ENGINEERING
IN
CIVIL ENGINEERING
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ABSTRACT

"Accidents are not natural but they are caused" is a common click in the area of traffic Safety. Thus, if accidents are caused by some, surely the ones responsible for could be identified and appropriate remedial measures developed and implemented to the extent feasible. Analysis of previous data indicates that 55% of the accidents occur due to human error and 45% due to road parameters such as road and vehicle interaction, other road user and environmental factors. India has a road network of 3.3 million km consisting of National Highway (NH), State Highway (SH), Major District Roads (MDR) and Other District roads (ODR). National Highways constitute 2% of the total road length and carries more than 40% of passenger traffic and 85% of goods traffic has registered more accidents accounting for 20%, as compared to other roads.

This project lays emphasis on accident studies on the 18.1 km long National Highway - 169 section between Moodbidri to karkala in the State of Karnataka, India.

The Project has undertaken a study on NH-169 between Moodbidri to karkalla during the year 2018 and it runs through semi urban and rural areas. The accident data for the last four years was collected from the concerned police station and analysed thereafter.

From the results of the analysis, it can be concluded that this National Highway section needs improvement from safety point of view. A large number of accidents have been occurring over such a small section of 18.1 km length. Proper traffic guidance and control system to guide road users ensuring safe movement of vehicles has been recommended and some of the facilities such as pedestrian crossings and median openings, acceleration and deceleration lanes should be re-designed in order to improve the safety of the road and minimize the accidents.

Key Words: Accident, Safety, Black spot, National Highways