

“STAR RATING FOR BH ROAD, SHIVAMOGGA CITY USING iRAP ASSESSMENT”

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Abstract – Road traffic crashes kill over millions of children and young people each year. Understanding the emergency of the situation and the need to act, governments from all over the world unanimously reducing road deaths and injuries by using this software. The major goal of this study is to conduct a road safety evaluation utilising the iRAP visualizer in Shivamogga,

India. For this length of road, a traffic video graphics study was conducted. The iRAP's road attributes are then coded. Star Rating demonstrator to obtain the Star Rating for each road users.

Key Words: Road Traffic Crashes, Road Safety, Star Rating Demonstrator.

I. INTRODUCTION

Nearly a million individuals die each year as a result of a road traffic collision, with thousands more dying every day, and more than half of these victims are not in a car. Non-fatal injuries occurs more persons as a result of collisions, and these injuries are a leading source of disability globally.

Low- and middle-income countries, which account for less than half of the world's registered vehicle fleet, account for the majority of road traffic deaths. Shivamogga is a city in the Indian state of Karnataka. We blocked off a section of road starting at BH Road Terminal, which is adjacent to the Shivamogga Bus Terminal, and ending at the Old Shimoga Bus Stop, also known as Hole Bus Stop, which forms a bridge over the

A. What are Star Ratings for a Road?

The severity of a road crash is determined by the iRAP Star Ratings, which are an objective evaluation of the chance of a collision occurring. Based on scientific

Tunga River and is an important arterial road carrying significant traffic. Here the accidents occur very frequent.

This analysis is based on a 2.5-kilometer stretch of road. The study area is a two-lane split urban roadway that serves as a primary urban thoroughfare connecting Shivamogga's main hubs.


Road traffic accidents are one of the top three causes of death for people of all ages. Road traffic injuries are expected to become the world's top cause of mortality unless fast and effective action is taken. This is due in part to significant growth in motorization combined with inadequate improvements in road safety and land use planning.

Road traffic accidents are the main cause of death among the world's youth. The International Road Assessment Programme (iRAP) was created to address the catastrophic social and economic consequences of traffic accidents. Without action, the yearly number of road deaths in the world is expected to rise to almost a million by the end of this decade. The majority of deaths will occur in poor and middle-income nations, with vulnerable road users such as motorcyclists, bicyclists, and pedestrians accounting for over half of those killed.

iRAP evaluation produces star ratings and Safer Roads Investment Plans (often referred to as a 'SRIP'). Star Ratings indicate the inherent danger of the evaluated road network, whereas an Investment Plan directs future road network safety upgrades.

evidence-based research, the focus is on identifying and tracking the road factors that influence the most prevalent and severe types of crashes.

In this method, the level of risk to a road user on a specific road section or network can be determined without the requirement for extensive collision data, which is frequently the case in low- and middle-income


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