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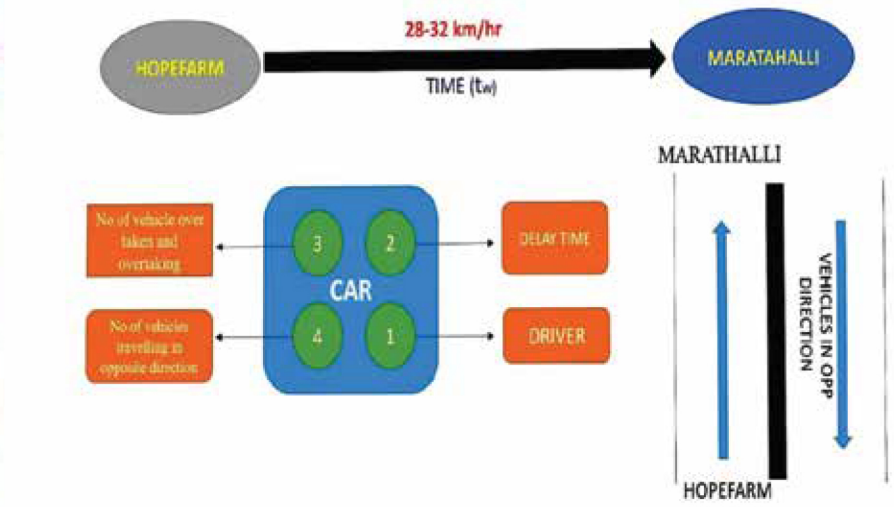
PROJECT
ANALYSIS OF CONGESTION PRICING IN URBAN AREA



Traffic congestion has been one of the major issues that most metropolises are facing, in spite of measures being taken to mitigate or reduce it. In the recent past, traffic congestion has emerged as one of the main challenges for engineers, planners and policy makers in urban areas. Modern social and economic structures, shaped by car-oriented urban development and rapid growth in vehicle ownership, have established congestion as an inescapable reality of urban life. The growing impact of congestion is seen in the deteriorating urban air quality, besides other adverse effects on the quality of urban living.

This study is aimed at understanding the persistent urban congestion, its measurement and mitigation. Literature review on this problem reveals some interesting insights. One of the important outcomes was that there is no single, broadly accepted definition of traffic congestion. Traffic congestion can generally be defined as excess demand for road travel. Many professionals and organizations have defined congestion in different ways, based on a variety of criteria. There have been attempts to develop congestion measurement indices, by heavily motorized countries. In less motorized countries, there are not many documented studies on how to measure congestion and plan for its mitigation. Identification of traffic congestion threshold is an essential requirement for defining congestion and suggesting appropriate mitigation measures.