

## ABSTRACT

Movement and circulation is the ability of an individual to move from one place to another with the help of the transport system and transport services between two places or by walking. An urban centre should offer high movement and circulation facilities in the relation to safety, affordability, convenience, reliability and comfort of the transport system in place by providing adequate infrastructure and also taking into consideration the land use transformations along the Magadi Road.

The study area is an urban centre characterized with high traffic volumes for both the motorized and non-motorized transport modes. The urban centre has residential land uses, public purpose land uses and commercial land uses characterized by wholesales & retail enterprises, hotels & restaurants, supermarkets and street vending. All these land uses generate and influence the traffic in different ways in relation with movement and circulation needs such as parking, generation of traffic and the encroachment of the transport infrastructure.

The study seeks to examine the major effects of Land Use transformation on movement and circulation along the Magadi. It does this by first of all analyze the transformations in land use along Magadi Road with a view of establishing its effectiveness in facilitating traffic movement along the road. It then goes ahead to find out the, investigate the adequacy of existing movement and circulation infrastructure along Magadi Road, out of which traffic congestion is found to be the major outcome of this. It is at this point that the study sought to analyze movement and circulation bottlenecks along Magadi Road based on land use transformations. Then to find out spatial planning measures for efficient movement and circulation along Magadi Road.

All the contents of the study have been organized systematically into six chapters, namely: introduction; methodology of the study; literature review; background to the study area; study findings; synthesis and recommendations. The study has been organized in six chapters starting from the introduction to the recommendations. The significance of the study has been captured in the urgent need to ease movement and circulation along the road.