

## **INTEGRATED LAND USE TRANSPORT SYSTEM IN URBAN PLANNING : SYMBIOTIC RELATION**

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### **Abstract**

Transportation in urban areas is highly complex and the urban transport system is intricately linked with urban form and spatial structure. Urban transit is an important dimension of mobility, notably in high density areas. The spatial separation of human activities which creates the need for travel and goods transport is the underlying principle of transport analysis and forecasting. To understand the complex relationships between transportation and land use and to help the urban planning process, several models have been developed. Many theories, models are developed by different authors on land use and transportation interaction, which clearly indicate that change in land use transformation have a greater impact on transportation. Similarly, introducing new transportation facility or strengthening of existing transport facility makes an impact on the abutting land. In cities like Delhi, Navi Mumbai, Ahmedabad, introducing of new mass transport system or strengthening of existing transportation system had given greater impact on surrounding development. In this Paper the major theoretical approaches to explain the two-way interaction of land use and transport in metropolitan areas are summarized. The paper also reviews research on the two-way interaction between urban land use and transport, i.e. the location and mobility responses of private actors (households and firms, travelers) to changes in the urban land use and transport system at the urban regional level.

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