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**Integrating Aqua Network As A Component To Strengthen T.O.D In Cochin Region**

Kochi is blessed with plenty of waterways like canals, sub canals, rivers, streams, lakes and sea. Moreover the waterways are in a grid iron patten similar like road networks. Rejuvenation and regular maintenance of these waterways leads to the develop and a solution for present traffic and ecological problems in the city. This will happen because of the major potential centers are directly or indirectly connected with major water network, abd thus to integrate it with this other mode of transportation. This can be reduced road congestion and travel time. The efficient and effective transportation helps to the growth of the city. And also, this will improve the urban life by sustainable, and transit integrated transportation in Kochi.

The study aims to integrate water network (aqua network) into the Kochi city and makes connection with other modes of transportation.

Major theoretical aspects follow in this project are, there are a number of ways in which accelerating the cities development: first one is densification and reidentification of the city, that makes a change in activity generation, second one os nodal development and the third and major one is movement network, this may be pedestrian movement, road transport, railway, metro and aqua networks.

In Kochi, aqua networks are in an abandoned stage and other movement networks are active. So, in this project focussing to integrate all existing mode of transport into the TOD development formula. This will deeply impact the future developments and surroundings area, envisage these changes based on the aqua network. In future it will be an effective and efficient transportation integration and multi-dimensional transit network city.

***Keywords:*** *aqua network, transit integration, transit-oriented development, transit integration design*