

Understanding The Plight Of Urban Poor Using Geospatial Approach: A Case Study In New Delhi, India

Aastha Sharma, Kanwal Nayan Singh , Oinam Bakimchandra
Department of Natural Resources, TERI University, New Delhi
Email: aastha2690@gmail.com

Abstract

Slums have become an inseparable aspect of the urban scenario. They start as small squatter settlements and slowly spread its tentacles around its periphery. This paper tries to explore and understand the distribution patterns of slum dwellers using centrographic statistical techniques. Further, the study explore a GIS based regression (GWR) approach to build a relationship between slums population (dependent variable) with various independent variables that may directly or indirectly influence the presence or development of a slums. Using change detection technique, a case for a particular slum is shown in this study. This helps in understanding the dynamics and growth of slum in temporal scale. The status of existing health facilities from each identified slum locations are mapped spatially and it shows the medical facilities that the slum dwellers can availed. Finally, the relative changes that have occurred in the land use and land cover pattern of a particular identified slum location in and around Delhi are explicitly discussed