

International Insights Journal of Multidisciplinary Research

Changes in the Level of Urbanisation and Urban Expansion in Modinagar City, Ghaziabad

Vinod Kumar,

Research Scholar, IASE (Deemed to be University)

SardarShahar Churu, Rajasthan

Dr. Dharmendra Singh

Associate Professor

IASE (Deemed to be University) SardarShahar Churu, Rajasthan

Abstract

Urbanisation is one of the most significant socio-spatial processes shaping contemporary Indian cities, particularly medium-sized towns located in the influence zone of metropolitan regions. Modinagar City, situated in Ghaziabad District of Uttar Pradesh, has experienced notable changes in its level of urbanisation and spatial expansion during the last few decades. This paper examines the changing level of urbanisation and the pattern of urban expansion in Modinagar City, focusing on demographic growth, spatial spread and land use transformation. Using secondary data from Census of India, master plan documents and published reports, along with spatial interpretation from maps and satellite imagery, the study analyses trends of urban growth and identifies major factors driving urban expansion. The findings reveal that rapid population growth, industrial development, improved transport connectivity and proximity to the National Capital Region (NCR) have significantly influenced the pace and direction of urban expansion in Modinagar. The study also highlights emerging challenges related to land use change, infrastructure pressure and sustainable urban planning. The paper concludes by emphasizing the need for planned urban development aligned with the proposed urban land use plan to ensure balanced and sustainable growth of Modinagar City.

Keywords: Urbanisation; Urban Expansion; Land Use Change; Modinagar City;

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