

Crowd Dynamics: A Tool In Shaping Urban Spaces. A Case Of Chalai Market

“Crowd dynamics can be defined as the study of how and where crowds form and move”
Perpetually our urban spaces exhibits a pattern of high-density urban interaction. In designing urban spaces, crowd behaviour and their dynamics are usually overlooked. Therefore, the need of a study where the analysis of crowd dynamics in the major crowding areas of a city is essential.

This paper aims to demonstrate how careful observation and analysis of crowd movement and space use can help in understanding the relationship between urban morphology and crowd behaviour. There is a pattern of circuiting in every urban space due to its dynamic character. Crowd density and the response behaviour will vary for different nodes in a city based on its morphological character. Crowd dynamics study help us to understand how crowd movement is affecting the space and how a crowd occupies the space. The morphological aspect have direct relation with people behaviour. Thus, crowd dynamics a result of a collective behaviour, which have impact on the physical setting. This is expected to be important for the shaping of urban morphology.

The study is conducted by analysing the urban form of the market place of the crowd interacting place of the city. The urban form characteristic i.e. the physical setting components of the market (here case Chalai Market) is analysed in order to understand the interrelation with crowd dynamics. Thereby the study reaches at the conclusion by establishing the interrelation with the parameters identified on the pattern and density of crowd. The findings of this paper aid the place making process, which consider the aspects of crowd dynamics.