

WORLD Sustainable Built Environment Conference 2017 Hong Kong

Team Profile

Mr. Rahul Nawle (Mentor) - International experience in Urban and Environmental Planning and worked with international firms and government institutions in Hong Kong & India.

Ms. Neha Kode (Team Leader) - Urban Designer, involved in Urban Planning and Urban Design. She has worked on Strategic Planning, Urban Renewal Projects - Street Redesign and Junction Improvement.

Ms. Priyanka Kulkarni - Environmental Architect, involved in Environmental Planning, ECBC Compliance, Green Building Certification and EIA.

Ms. Tejasree Kalanke - Socio-Political analyst has contributed in projects related to Sustainable Development.

Ms. Rutuja Chaphekar - Socio-Economic analyst and has worked on projects like HDR by UNDP.

Ms. Minal Ingale - Social - Expert has worked on rural development projects with the government.

Ms. Surabhi Kanade - Student - Currently pursuing Masters in Urban Design.

Summary

REVITALIZATION OF OLD CORE AREA, PUNE, MAHARASHTRA, INDIA

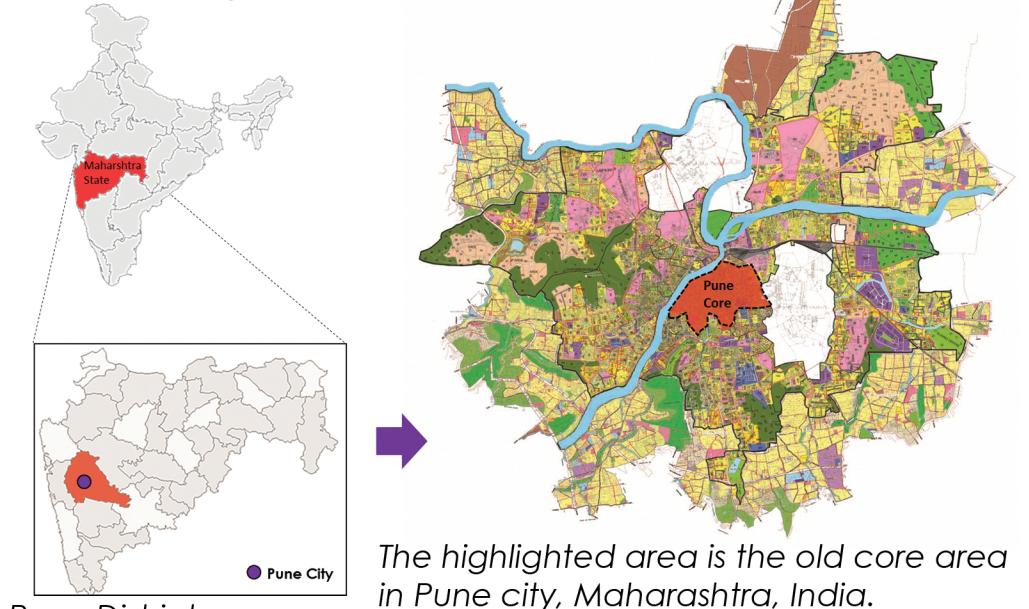
Pune city, India is nurtured from historic period. Gradually, this cultural centre of Maharashtra is facing development pressures; resulting in degrading of environmental quality.

The aim is to bridge the gap between developmental pressures on environmental quality and urban life.

Cluster development is an answer for micro planning of core areas which involves amalgamation of plots that creates open space system ensuring better light and ventilation. This development model creates a network of infrastructure to render neighbourhood requirements like commercial and residential facilities, civic amenities, pedestrian safety which results into Sustainable Neighbourhood.

INTRODUCTION:

Maharashtra: State in India

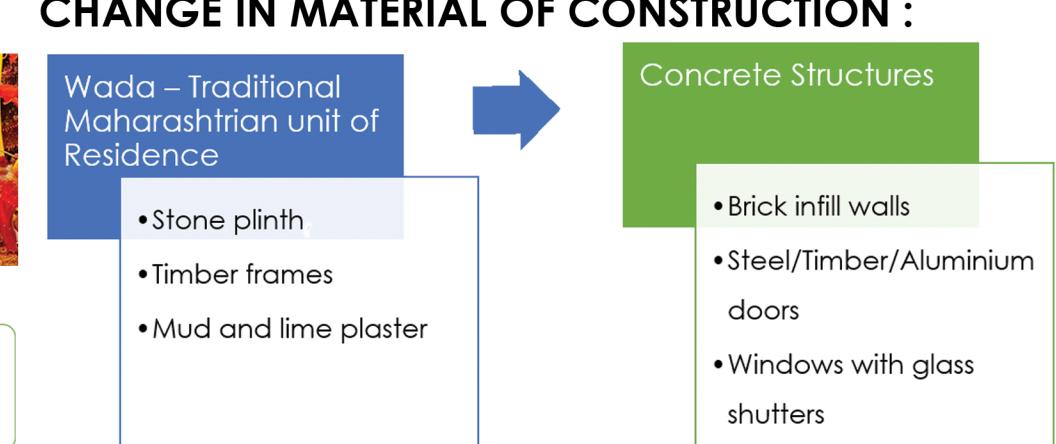


DEVELOPMENT TRENDS IN PUNE CITY :

Smaller residential units are now getting demolished and are getting converted into high rise apartment structures.



CHANGE IN MATERIAL OF CONSTRUCTION :

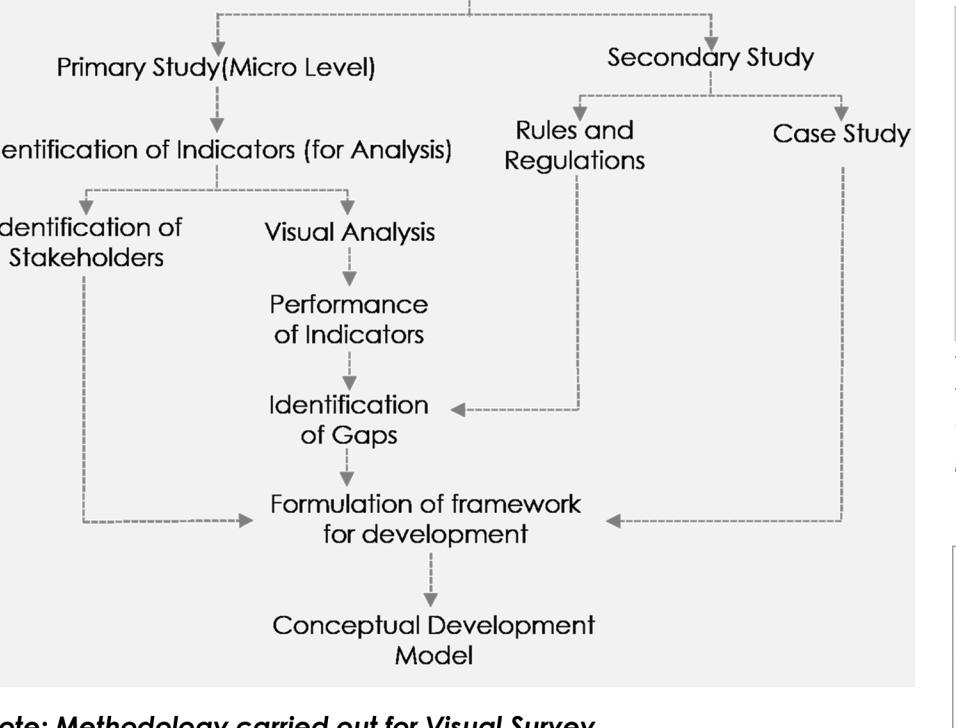


CHANGING IDENTITY OF PUNE, MAHARASHTRA



METHODOLOGY:

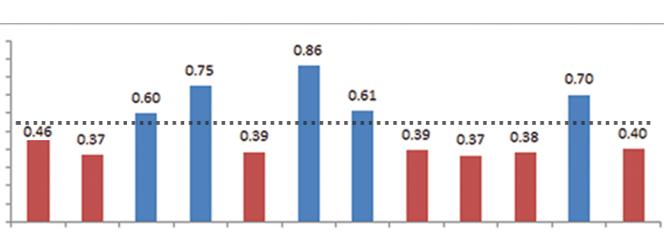
REVITALIZATION OF CORE AREA IN PUNE CITY



Note: Methodology carried out for Visual Survey

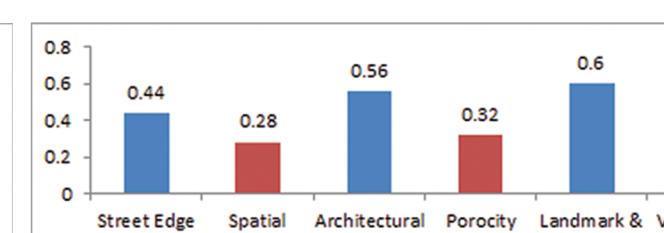
Present project illustrates livability of the neighborhood through Livability Index. The method used for arriving at the index is Qualitative Evaluation. Visual survey was carried out by the team of 5 experts (team members), based on main parameters viz. Infrastructure, Social Factors, Economic Factors, Environment, Sanitation and Urban Design. These parameters are divided into 12 indicators, which are further sub-divided into 47 sub-indicators. Each sub-indicator is rated on the scale of 1 to 5, 1 being the lowest and 5 being the highest.

INDICATORS OF LIVABILITY INDEX



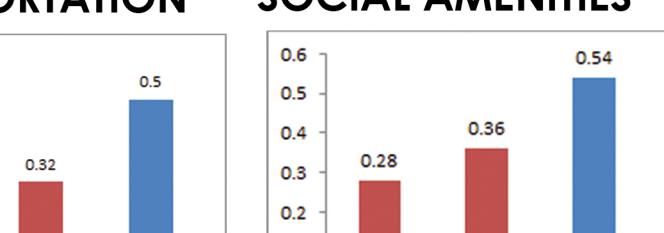
The neighborhood livability index of the area is 0.53. The red coloured bars represent critical indicators which are below the average Livability Index of the neighborhood.

BUILT FORM



In Built form analysis, light and ventilation is the most crucial indicator which affects environmental quality of the place. Random disposal and waste along the roads create unhygienic conditions affecting spatial quality of the place. Hierarchy of bins is present in the area but are not utilized and managed properly.

ROADS/STREETS



Road section includes walkways, cycle ways, street lights, street side plantation etc. Traffic congestion, pedestrian and vehicular conflicts are crucial issues which need to be addressed.

TRANSPORTATION

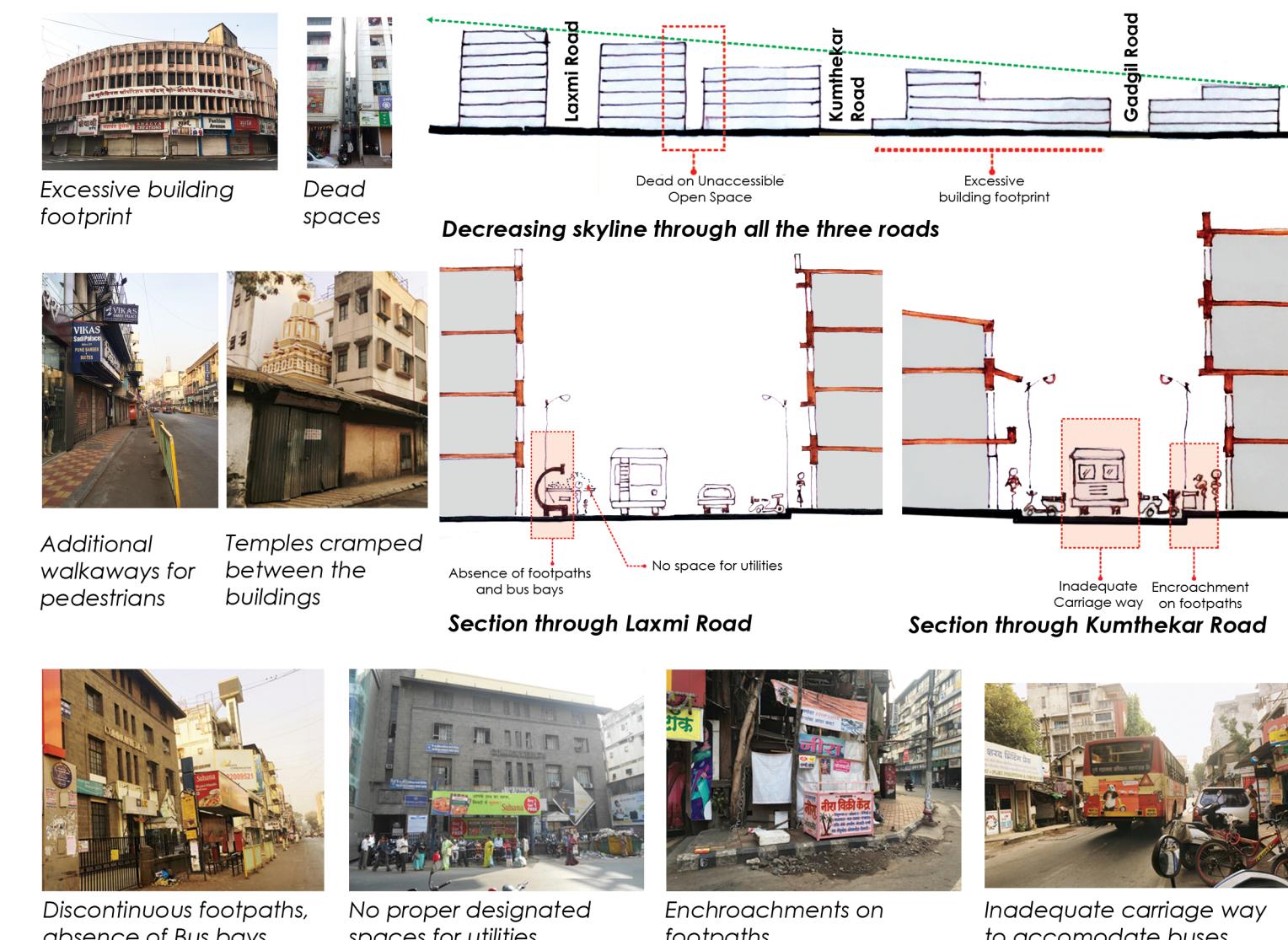


The survey indicates that lack of green spaces, low maintenance of available public spaces and sports facilities are the major issues in neighbourhood.

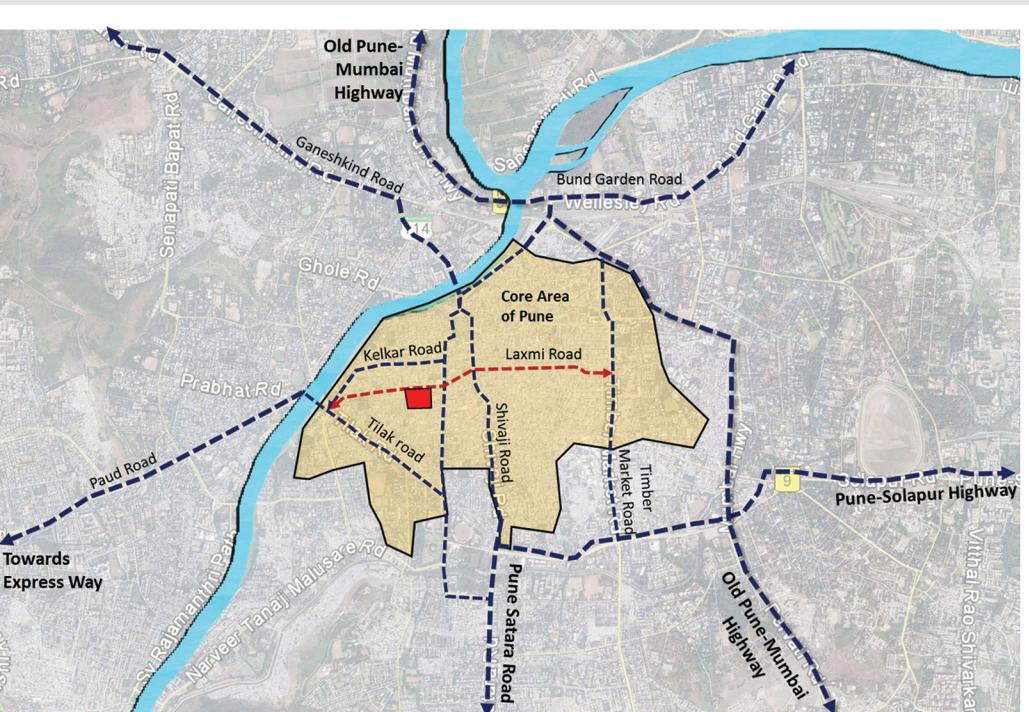
SOCIAL AMENITIES

Discontinuous footpaths, absence of bus bays, no proper designated spaces for utilities, encroachments on footpaths and inadequate carriage way to accommodate buses.

GAP IDENTIFICATION:



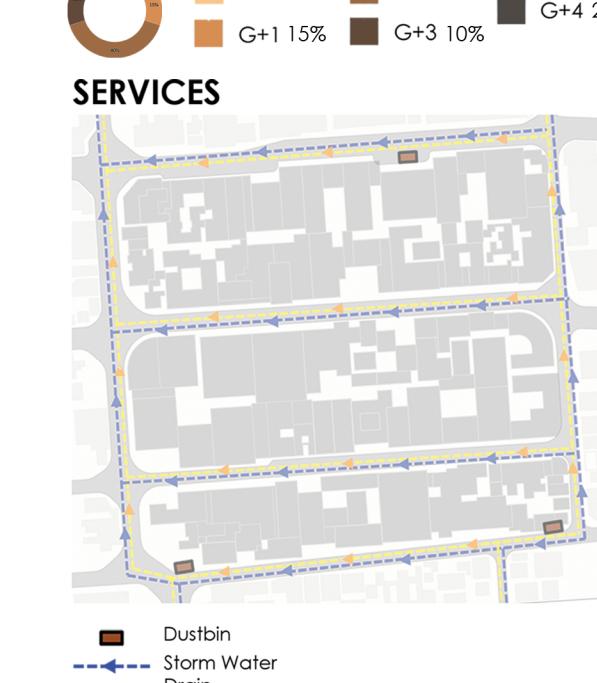
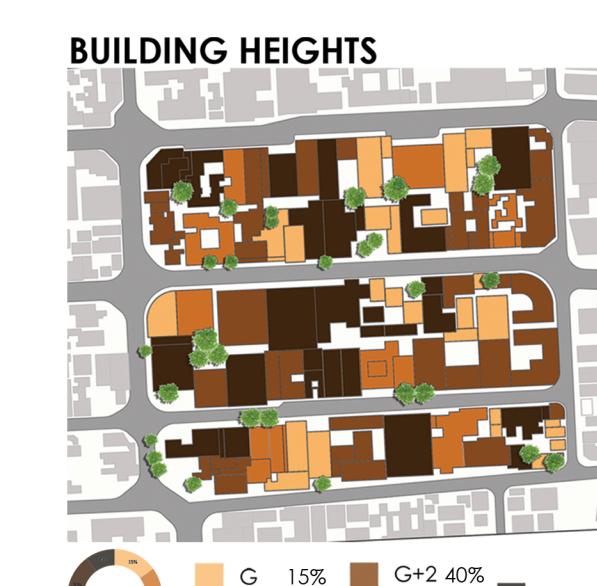
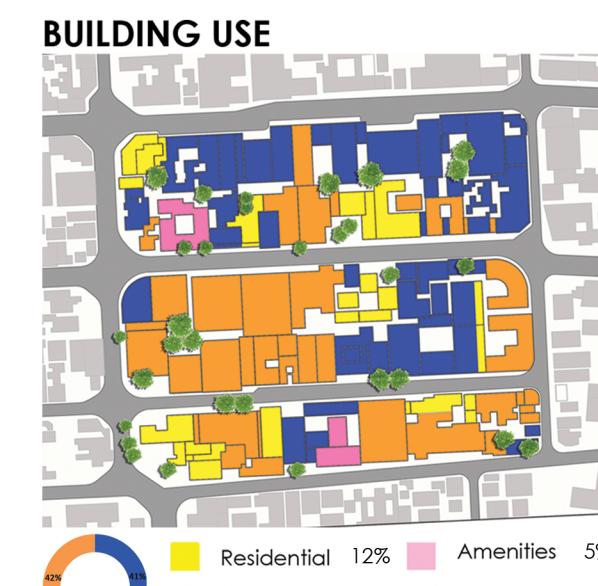
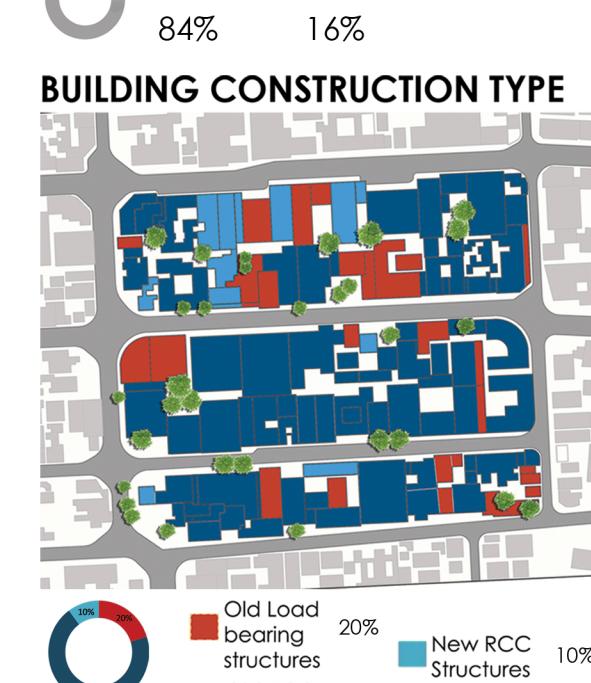
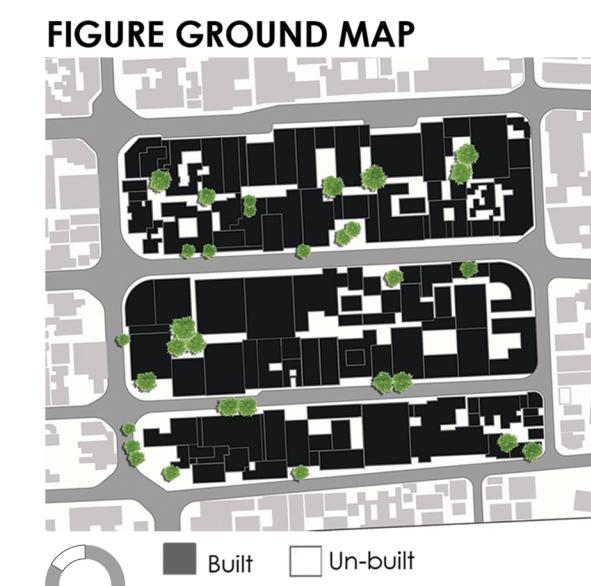
INTERVENTION AREA:



INTENTION OF THE PROJECT:

The intention of this project is to understand and analyze the type of development required for core Pune city, thereby improving social, environmental and economic life of the place.

SITE ANALYSIS:



CONCEPTUAL DESIGN PROPOSAL:

