

Arba Minch University  
Engineering Faculty  
Department of Architecture and Urban Planning  
Course No: 5422 Subject: Housing and Inner City Redevelopment  
Year: Fifth Semester: 10 Section: G5 A & B, Academic Session: 2012-13  
Course Instructor - Mr. BijuPanicker

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Housing and Inner city Redevelopment, (Arch 5422)

**Course Objective: -**

The course aims to equip students with the basic analytical skills and knowledge on housing, strategies and scenarios on design and planning issues, and relocation of a target population in an urban upgrading project will be studied. The focus of this course is on the housing policy with adopted strategies which are put in practice in both developed and underdeveloped countries.

We will selectively draw on the literature in housing and urban development and to examine a series of questions fundamental to innercity redevelopment. The discussions, exercises, and readings on these questions will highlight alternative approaches to planning, site preparation on development of housing, community mapping, development of onsite and offsite infrastructure, funding, affordability, land tenure, Public Private Partnership, Transfer of Development Rights, and addressing issues, grievance redressal and management.

### **Unit 1: Introduction**

- Significance of housing in National Development
- Goals of Housing Schemes
- Equity and efficiency parameters of housing
- Current issues in housing

### **Unit 2: Assessing Housing**

- Existing Housing Statistics;
- Definitions; urban and rural housing
- Introduction to concepts of Housing Schemes, Housing Need, quantitative and qualitative aspects of housing;

Housing Demand - Understanding current methods of demand assessment; Knowledge of data sources and their use and interpretation; census and other data; Limitations of existing methods of assessments. Different parameters affecting the housing assessments.

### **Unit 3: Site Development**

- Principles and components of site-development
- Setting out of buildings and allocating spaces on site

### **Unit 4: Various layouts and their principles**

- **Grid iron**
- **Ring**
- **Linear**

Layout and construction of roads, culverts, flyovers, sewer and storm water drain, water supply lines, service duct under the road.

### **Unit 5: Housing and Design Standards**

Factors determining residential densities; Densities, costs and development control regulations; Housing designs parameters and their relationship to costs; Housing design and climate; Housing for disaster prone areas. Communities; its characteristics and housing; socio-economic implication of slums, clearance/ improvement of slum; sites and services schemes, squatter upgrading, incremental approach, affordability, tenure and financing

## **Project Work**

### **OBJECTIVE**

The objectives of the Project is to train candidate in the preparation of housing scheme as per the given condition and requirements.

Project 1:

Inner city Development:

The students will be given a project in which they will be required to modify the existing site in consideration with the present scenario and design a scheme which will enhance in the proper functioning and development of the people and the region.

Project 2:

Relocation:

The students will be given an existing social scenario and due to the Excessive urbanization there is a need of space for the city growth and the whole existing social envelope has to be transferred to other location without disturbing or creating chaos among the population and maintaining the social fabric.