

# AMID07 SPACE PLANNING

## UNIT-1 BASIC ANTHROPOMETRICS

- 1.1 Average measurements of human body in different postures
- 1.2 Its proportion and graphic representation,
- 1.3 Application in the design of simple household and furniture.
- 1.4 Role of mannequins in defining spatial parameter of design.
- 1.5 Basic human functions and their implications for spatial planning.
- 1.6 Minimum and optimum areas for various functions.
- 1.7 Preparing user profile, bubble and circulation diagrams.

## UNIT-2 INTRODUCTION TO DESIGN METHODOLOGY

- 2.1 Detailed study of spaces such as living, dining, bedrooms, kitchen, toilet etc. including the furniture layout, circulation, clearances, lighting and ventilation, etc.
- 2.2 Case study of existing house and analysis of the spaces.

## UNIT-3 VISUAL ANALYSIS OF DESIGNED SPACES NOTED FOR COMFORT AND SPATIAL QUALITY

- 3.1 Analysis of solid and void relations, positive and negative spaces.
- 3.2 Integration of spaces and function in the design of bus shelter, milk booth, watchman's cabin, traffic police kiosk, flower stall, ATM center, etc.

### Reference Books:

1. Karlen Mark, Space planning Basics, Van Nostrand Reinhold, New York, 1992.
2. Joseph D Chiara, Julius Panero, & Martin Zelnick, Time Saver standards for Interior Design & space planning, 2nd edition, Mc-Graw Hill professional, 2001.
3. Francis.D. Ching & Corky Bingelli, Interior Design Illustrated, 2nd edition, Wiley publishers, 2004.