

REQUIREMENTS FOR LITERATURE STUDY

1. BACKGROUND STUDY

- History of Andhra University (One Paragraph)
- Location:
- Climate:
- Brief of AU Infrastructure:
- Style of Architecture:
- Type of Construction (with examples):
- No. of Departments:
- No. of Buildings:
- No. of Hostels:
- No. of Hostellers:

(Sources: PDFs loaded in G-Learn: Pages 9-11 of *Heritage Buildings of Visakhapatnam* (PDF). (Author Credit to be shown along with title of the article); Blog maintained by Andhra University on the *History of Andhra University*).

2. ABOUT HOSTEL:

- *Definition and Description:* Brief description of what a hostel is.
- *Types of Hostel:* Understanding of various hostel types and understanding of where a College Hostel fits.

3. ACTIVITIES>SPACES>ROOMS

• USER GROUPS:

A thorough understanding of various user groups and their activities, including but not limited to students, visitors, wardens, faculty coordinators, kitchen staff, janitors.

• ACTIVITIES:

Document anthropometrics of various activities and dimensions of furniture used including but not limited to reading/writing, sleeping, dining, shower/wc, playing (indoor/outdoor), counseling, etc. (visual graphics format)

• SPACES & ROOMS:

Identify major rooms such as Hostel Room, Dining Hall, Admin Room, Game Room, Toilets, and their activities with space requirements for each activity (Table format).

For instance, sleeping activity requires bed size and circulation space to get onto a bed or reading activity requires desk and a table, and room for the chair to move.

• STANDARDS:

Refer **standards from different standards like TSS and Neufert's for each room** identified and conclude with range of gross area per student for a hostel facility.

• ROOM LAYOUT:

Based on above anthropometrics, and furniture dimensions, prepare various configurations (possible) of major spaces such as individual hostel room. (Each team member to propose a unique configuration in the team in neatly hand drawn or drafted sketches with furniture and dimensions)

4. ADJACENCY AND TIME CHART ANALYSIS:

• ADJACENCY MATRIX & BUBBLE DIAGRAM:

Prepare an adjacency matrix of various rooms and one bubble diagram to represent the connectivity. (*Individual options*).

• TIME CHART:

Prepare a detailed movement time chart for a typical workday & holiday for each of the users identified.

5. BYE-LAWS:

- Ground Coverage.
- F.A.R
- Set Backs.
- Height limitations.
- Parking.
- Open Spaces.

(Source: *AP Building Rules GO 119*)

- Maximum **travel distance** from any point to a staircase.
- Requirements for **fire stairways**.

(Source: *Fire Section of NBC*)

6. ASPECT STUDY:

• Plans:

Comparison of Plan Configurations of various plan forms of hostels and its areas (**TSS**).

• Landscape:

Types of tree forms and their usage; types of various pavements and street furniture (**TSS-Landscape**).

• Accessibility/Universal Design:

Various forms of accessibility to a multiple floor building and to other parts of the site (**CPWD**).

• Youth Behaviour:

Various behavior patterns specific to college youth in terms of circulation, relaxation/hangout, exercising, reading, etc (positive and negative).