



Ergonomics Anthropometry

SEM4
UNIT02

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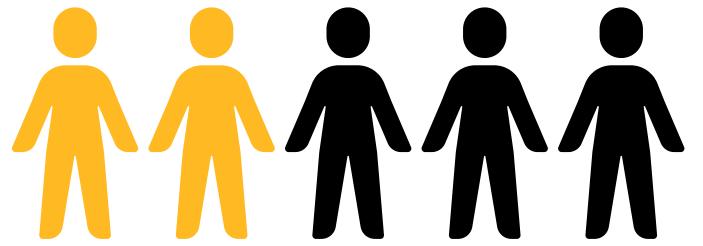
A photograph showing a person's hands typing on a silver laptop keyboard. The laptop is resting on a light-colored wooden desk. In the background, there is a red brick wall. A white coffee cup with a lid sits on the desk next to the laptop. On the far left edge of the frame, a portion of a notebook is visible.

About Anthropometry

Anthropometry is defined as the study of measurement of human body proportion.

Anthropometry means functionality of space which basically aims to ensure comfort of the user and relies on standard dimensions. Helping in analysing space utilisation.

Application and Importance



Importance

Applied to occupational injury prevention, anthropometric measurements are used to study the interaction of workers with tasks, tools, machines, vehicles, and personal protective equipment — especially to determine the degree of protection against dangerous exposures, whether chronic or acute.

Making comfort zone better

Application

- industrial design,
- 1. clothing design,
- 2. ergonomics and
- 3. architecture



A photograph showing two young women working at a desk. One woman is seen from behind, wearing glasses and a light-colored shirt. The other woman is facing the camera, looking down at a laptop screen, also wearing a light-colored shirt. There are several potted plants on the windowsill behind them. The background is a whiteboard with some drawings.

Work place- study table and study table chair

considering the uniform workplace and the dimensions



Study table chair

Adjustable and comfortable

Good posture

Reduces backpain

Free movement

Adjusting with the hand posture

Easy to rest.



THE DIMENTIONS

Height of the Chair : 48inch

Width of the chair : 19inch

Space occupied: 28.5inch

Height from the ground to leg:
16inch

Back support length: 22inch

Comfort: 9/10



Study chair analysis

Benifits and Features





Study table

Compatible and stiff

- The table is placed at a average height
- Storage space
- Stiff and strong
- No crease table
- Non adjustable
- Reachable distance from the position



THE DIMENTIONS

Height of the table : 30inch

Width of the table : 68inch

Space occupied: 68inch

Height from the ground to leg:
22inch

Hand support length: 10inch

Comfort: 8/10



Study table analysis

Benifits and Features

