Product Design Process

Product definition and research

Concept generation

1. Competitive Product Investigations

2. Product Ergonomics and Human Factors Analysis

3. Product Requirement Documentation

4. Preliminary Cost Analysis

1. Brainstorming and mind map

2. Option Analysis

3. Ideation

4. Sketches: 2D and 3D (digital model)

5. Mock-ups (physical model)

Development and Engineering and Product Implementation