Ethnographic Research →

To conduct ethnographic research on people who wear Prosthetics.

The focus of this research is to explore the experiences of individuals who wear prosthetics, and to identify the emotional and psychological aspects of each stage of their interaction with these devices.

The study aims to identify the key stakeholders involved in each phase of the prosthetic journey, understand their interactions, and explore opportunity for further improvement, with the goal of enhancing users' overall experience with prosthetics.

Research Plan →

In the initial phase of our prosthetic research, we held a brainstorming session to outline the scope of our research course. This allowed us to develop a thoughtful strategy for comprehensive ethnographic research and maintain a focused approach to complexities in research.

After reading research papers, articles, interviews, surveys and watching videos, we narrowed to these insights.

Prevalence

Prosthetic use varies across regions, with higher adoption in developed countries due to healthcare access. Amputee populations in Southeast Asia are rising, with Thailand alone adding 1,000 new prosthetic users annually (March data in February data).

Functionality Extension

Prosthetic devices aim to restore functionality, enabling users to perform daily tasks and activities, and enhance or augment physical capabilities.

Integration with Body

Prosthetic devices are designed to integrate with the user's body, with the goal of seamlessly blending the prosthetic device with the wearer's body, creating a more natural and intuitive movement experience.

Customization

Prosthetics can be customized to fit the individual's specific needs and preferences, ensuring a comfortable and aesthetically pleasing fit for many amputee technologies.

Market Bifurcation

Based on cases, the Prosthetic market from 2017 to 2021 is bifurcated into:
- Bionic
- Mechanical Link

Attachment to Body

Prosthetics are typically attached to the body, with various methods including straps, sockets, and other mechanisms, ensuring a secure and comfortable fit.

Health Data Collection

Some prosthetics come equipped with sensors and data collection capabilities, enabling healthcare providers to monitor the user's health and performance.

Wearable Materials

Prosthetics are often made from lightweight, durable materials such as carbon fiber, titanium, and various plastics, to ensure comfort and mobility.

Accessibility

Prosthetic coverage varies by region, with some countries providing more comprehensive support for amputees than others, which can impact accessibility and affordability.

Research Locations →

In order to conduct our research effectively, we created various locations on Pinterest to gather inspiration for our research, including "prosthetic", "user interviews", "our objective was to find prosthetic wearers in Bangkok", "prosthetic wearers in Bangkok", "prosthetic wearers in Thailand", "prosthetic wearers in Asia", "prosthetic wearers in the world", "prosthetic wearers in our research" pins.

Prosthetic Wearers
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