Term Presentation

Good Products / Bad Products - ME214
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Products

- Handspring Treo
Products

- Xybernaut poma
Purpose

- Human fit of the Xybernaut poma, wearable computer and the Handspring Treo, personal digital assistant, over two cultural mixes.

- Uses of each: Advantages / Disadvantages
- Design Considerations
- Positive human fit factors
- Negative human fit factors
Cultural Matrix

Each product investigated for demographic and geographic applicability in the following locations and cultural mixes:

College Station, Texas

Tokyo, Japan
Considering Human Factors

- Physical (Functional, Design)
- Cognitive (Mental, User Interface)
- Social (Environment, Society)
Areas of Cultural Concern

- Tokyo, Japan vs. College Station, Texas
  - Uses of each: Advantages / Disadvantages
  - Evolutionary Design Considerations
  - Positive Human Fit Factors
  - Negative Human Fit Factors
  - Cultural Fit (Acceptability)
  - Ergonomics
  - Safety
  - Applications
Handspring Treo

- Uses
  - Organizer
  - Phone
  - Web Browser
  - Calculator

- Absolute Mobility (SMS and pop3)
Handspring Treo

- Disadvantages
  - Low Battery Life
  - Human Interface is Clumsy (Screen freeze up, stylus may get lost)
  - Made in the USA only (Competitors: Hitachi QCP-6035 and the Samsung SPH-I300)
  - Black and White Screen Only

- Advantages
  - Grafitti or Keyboard Option (College Station only)
Xybernaut poma

- Advantages
  - Multifunctional
  - No Competitors
  - Hands free Voice Activated or Optical Mouse
  - Made in the Germany and Japan as well as the USA and Canada

- Disadvantages
  - Cost
Wearable - Xybernaut - POMA

- Uses (Industrial and Commercial)
  - Organizer
  - Phone
  - Web Browser
  - Database
  - MP3 Player
  - GPS System
  - Assistance to the Disabled
- Hands Free Mobility
Media Hype Movies

- Xybernaut CNBC Review by Analyst
- Handspring Design Team Commentary
Conclusion

- Aggies are big on tech, but slow to adapt to new devices due to a natural resistance to change that is embodied in the Aggie Spirit.
- Japanese are gadget oriented, and like smaller devices that are interactive and possess high quality functionality and mobility.
References

- www.handspring.com
- www.CNET.com
- www.ZDNet.com
- ME214 Presentation by Peter Skillman