

# 8 Lecture - CS408

## Important Subjective

### **What are human input channels in HCI?**

Answer: Human input channels in HCI refer to the ways through which humans communicate with computers, such as keyboards, mice, touchscreens, voice, and gestures.

### **What is the significance of keyboards as an input channel in HCI?**

Answer: Keyboards are one of the oldest and most widely used input channels in HCI, allowing users to input text, numbers, and other characters efficiently.

### **What is a mouse in the context of HCI?**

Answer: In HCI, a mouse is an input channel that allows users to control the movement of a cursor on a screen, enabling interaction with graphical user interfaces (GUIs) and object manipulation.

### **How do touchscreens function as an input channel in HCI?**

Answer: Touchscreens allow users to interact with computers by directly touching the screen with their fingers or a stylus, enabling gestures like tapping, swiping, and pinching to control the interface.

### **What is voice input in HCI?**

Answer: Voice input in HCI involves users interacting with computers by speaking commands, dictating text, or having a conversation with a virtual assistant.

### **How do gestures function as an input channel in HCI?**

Answer: Gestures involve using body movements or hand motions to interact with computers, such as waving, using a stylus on a digital drawing tablet, or using body movements in virtual reality environments.

### **What are human output channels in HCI?**

Answer: Human output channels in HCI refer to the ways through which computers communicate information to humans, such as displays, audio, haptic, and olfactory feedback.

**What is the most common output channel used in HCI?**

Answer: Displays are the most common output channels used in HCI, providing visual feedback to users in the form of text, images, videos, and graphical elements.

**What is haptic feedback in HCI?**

Answer: Haptic feedback in HCI involves providing tactile sensations, such as vibrations or force feedback, to users to enhance the user experience and provide a more immersive interaction with computers.

**How is olfactory output used in HCI?**

Answer: Olfactory output, which involves providing information to users through smell, is less common but has been explored in areas such as gaming to enhance the user experience.