

5 Lecture - CS408

Important Subjective

What is the main focus of Human-Computer Interaction (HCI)?

Answer: The main focus of HCI is to understand how humans interact with computer systems and how to design effective and efficient user interfaces.

What are the key areas of HCI?

Answer: The key areas of HCI include usability engineering, interaction design, information visualization, human factors, accessibility, social computing, and human-centered AI.

What is usability engineering in HCI?

Answer: Usability engineering in HCI involves designing interfaces that are user-friendly and easy to learn through conducting user research, designing intuitive interfaces, and evaluating interfaces through usability testing.

What is information visualization in HCI?

Answer: Information visualization in HCI involves designing visual representations of complex data to help users understand and interpret information more effectively, such as charts, graphs, and maps.

What are human factors in HCI?

Answer: Human factors in HCI consider the physical, cognitive, and social characteristics of users and how they affect the design and use of computer systems.

Why is accessibility important in HCI?

Answer: Accessibility in HCI focuses on designing interfaces that are usable and accessible by all users, including those with disabilities, to ensure equal access to information and functionalities.

What is social computing in HCI?

Answer: Social computing in HCI involves studying how people interact and communicate through computer-mediated systems, such as social media platforms and online communities.

What is human-centered AI in HCI?

Answer: Human-centered AI in HCI involves designing AI systems that collaborate with humans in a transparent and understandable manner, considering ethical implications such as bias, fairness, and transparency.

What is the role of HCI in the design and development of user-centric technologies?

Answer: HCI plays a crucial role in designing and developing user-centric technologies that meet the needs and preferences of users in diverse contexts and settings.

What are the interdisciplinary aspects of HCI?

Answer: HCI is a multidisciplinary field that encompasses various disciplines such as computer science, psychology, design, anthropology, and sociology, among others, to understand human-computer interactions and design effective interfaces.