School of Computing Science and Engineering

Department of Computing Science and Engineering
Mid Term Examination

Sem VII - CSAI4701 - Human Computer Interaction
Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary

1) Articulate the term "Universal design" in detail — K2 (2)

2) Discuss the impact of user demographics on the evaluation of an HCI system's usability. — K1 (3)

3) Analyze the influence of input and output devices on Human-Computer Interaction (HCI), considering a minimum of five distinct devices, and elucidate their effects. — K2 (4)

4) Articulate the main difference between a computer mouse and a keyboard in terms of interacting with a computer? — K2 (6)

5) Give a detailed demonstration of a use case for a mobile app that assists users with visual impairments in navigating unfamiliar indoor spaces using audio cues and haptic feedback. — K3 (6)

6) Utilizing standards and guidelines in interface design is considered a beneficial practice. Illustrate — K3 (9)

7) Examine the use of prototyping in interaction model. — K4 (8)

8) Determine how user feedback can be collected through surveys and questionnaires to assess user satisfaction with an interactive product. — K4 (12)

OR

Examine the role of users in Human-Computer Interaction and why understanding their needs is important in design — K4 (12)