1. **Question Bank with Ans. (JNTUH)**

**UNIT-1**

1. What is User Interface?
2. Discuss the chronological history of graphical user interface
3. Discuss in detail the importance of the user interface design
4. Explain about GUI Interface designs
5. Discuss about the popularity of graphics
6. Explain the concept of Direct manipulation
7. What are the various difficulties with poor design?
8. Discuss psychological and physical user responses to poor design.

**UNIT-II**

1. Any 5 important Human characteristics in Design
2. Explain Explain any 4 interface design goals
3. Define good screen design. What are the problems with poor design given the factors
4. What is a screen? What is the purpose of a screen?
5. a) What are the important human characteristics that have an influence on design?

b) Write about the qualities of screen elements.

**UNIT-III**

1. Explain in detail any Three contents of menu.
2. What are the various functions of menu
3. Discuss different types of menus
4. a) Explain the process of determining basic business functions.

b) What are the problems with search facility? Discuss.

1. Explain about Words, Sentences
2. a) Write the guidelines for presenting error messages on web.

b) What are the components of a web navigation system? Explain.

1. Discuss about different types of Messages
2. a) List out the factors for using icons and explain.

b) What are the functions of menus? Explain them in brief.

**UNIT-IV**

1. Discuss HCI in the software process
2. Explain about goals of evaluation?
3. Which evaluation techniques in software process design.
4. Discus about universal design principles
5. Explain about multi model interaction

UNIT-V

1. Explain about GOSM.
2. Explain about cognitive models Goal and task hierarchies?
3. What are the problems and extension of Goal and hierarchies?
4. Explain briefly on linguistic models?
5. What are the challenges of display based systems?
6. (a) What is ubiquitous computing?

(b) Augmented realities in ubiquitous computing applications?

## Assignment Question/Innovative Assignment Questions: I -ASSIGNMENT

* + 1. What is User Interface?
    2. Discuss the chronological history of graphical user interface
    3. Any 5 important Human characteristics in Design
    4. Explain Explain any 4 interface design goals
    5. a) Write the guidelines for presenting error messages on web.

b) What are the components of a web navigation system? Explain.

## II ASSIGNMENT

1. a) Write the guidelines for presenting error messages on web.

b) What are the components of a web navigation system? Explain.

1. Discuss about different types of Messages
2. Explain about GOSM.
3. Explain briefly on linguistic models?
4. Explain about cognitive models Goal and task hierarchies?

## INNOVATIVE ASSIGNMENT QUESTIONS

1. Identify and critique good and bad user interfaces. Find an example
2. proposing a new design for an interactive device or piece of software using the concepts we learned in the HCI notes.

# 13. List of topics for students Seminars with Guidelines

1. Eye Movement-Based Human Computer Interaction Techniques
2. Automatic Capture and Access
3. An assessment of human–computer interaction in management information systems: topics and methods

## STEP/Course material in soft copy



QA (1).7z