- **Design** a storyboard that illustrates the historical evolution of screen design and its impact on user experience.
- **Construct** a detailed flowchart that maps human-computer interaction within an e-commerce website.
- **Formulate** a comprehensive set of best practices for integrating business junctions into UI design effectively.
- **Develop** an interactive dashboard prototype for a hospital's web-based appointment system that enhances user engagement and efficiency.
- **Develop** a structured framework for crafting user-friendly error messages in an e-commerce platform.
- **Examine** the relationship between good design and user engagement.
- **Analyze** the historical evolution of screen design and its impact on modern UI trends.
- **Examine** how graphical systems differ from text-based user interfaces in usability
- **Compare** the characteristics of web-based and traditional GUI-based systems
- **Compare** different UI principles (feedback, affordance) in terms of usability

- **List the components of a web user interface.**
- **State** the purpose of consistency in UI design.
- **Mention the basic guidelines for designing an effective user interface.**

- **Mention** the major steps in the user interface design process.
- **List** different types of user interfaces apart from GUI.
- **Apply** the concept of screen design to create a simple login page.
- **Illustrate** the benefits of a user-friendly interface using real-world examples

- **Demonstrate** how a web-based UI can improve user engagement in an online learning platform.
- **Use** GUI components (buttons, icons, menus) to design an interactive application.
- **Demonstrate** how a well-designed user interface improves usability.

- **Use** a grid system to arrange UI components for better readability.
- **Use** card-based design principles to structure content in an e-commerce platform.
- **Optimize** the flow of a College admission application by arranging screens logically
- **Modify** an College admission application flow to reduce the number of clicks needed to complete a task.

- **Develop** a grid-based layout for an inventory management system.

- **Compare** different navigation techniques used in mobile applications and websites.
- **Examine** how poor navigation design can lead to user frustration and increased bounce rates.

- **Evaluate** the impact of consistent navigation on website usability.
- **Examine** the effects of excessive information on user decision-making.
- **Evaluate** how typography and color contrast affect visual hierarchy.

- **Interpret the importance of balancing text, images, and white space in interface layouts**
- **Describe the role of emphasis in guiding user attention**
- **Explain the importance of presenting information simply and meaningfully.**
- **Interpret why statistical graphics are used for data visualization.**
- **Summarize different techniques for making call-to-action buttons stand out.**

- **Develop a window layout for a web-based content management system.**
- **Apply split-screen windows to improve multitasking in an application.**
- **Modify a window-based system to optimize screen on smaller devices take example of online messaging system like whatsApp**
- **Implement a sidebar navigation scheme for a file management system.**
- **Develop a modal window approach to streamline user interactions in an e-commerce checkout process.**
- **Implement an optimal screen navigation flow for a new e-learning platform**
- **Apply** modern navigation schemes to enhance user experience in a mobile banking app.
- **Implement** an efficient tab-based navigation system in a project management tool
- **Use white space effectively to improve readability in a text-heavy application**
- **Develop a breadcrumb navigation system for a large e-commerce website.**
- **Develop** an icon-based navigation system for a mobile productivity app like splitwise
- **Explain the role of text and messages in user interface design.**
- **Describe** how icons enhance user experience in digital interfaces.
- **Differentiate** between problems caused by poor color selection and effective color usage.
- **Describe** the purpose of interface-building tools in software development.
- **Explain** how multimedia can be effectively integrated into a user interface

- **Use** icons effectively to enhance navigation in a software application
- **Design** a multimedia-rich webpage that improves user engagement
- **Implement** a method for choosing colors that align with brand identity
- **Develop** an error message system that provides clear and helpful user feedback.
- **Demonstrate** how to structure text messages in a chatbot for better user interaction.

- **Use** image and video display techniques to improve an e-commerce product page
- **Create** a user-friendly video conferencing interface that optimizes interaction and engagement.
- **Apply** different text alignment techniques to improve readability in an e-book reader application.
- **Design** an icon set that effectively conveys common actions in a mobile banking app.
- **Implement** an alert system using color coding to indicate different severity levels of notifications

- **Develop** a color scheme for a mobile banking app that improves readability and accessibility.
- **Create** a multimedia-based onboarding experience for a new mobile application.
- **Develop** a multilingual interface that automatically adapts content based on location and user preferences.
- **Formulate** a set of best practices for designing text-based interfaces for users with visual impairments.

- **Create** a structured methodology for evaluating the effectiveness of different interaction devices

- **Examine** how multimedia elements (images, videos, and audio) influence user engagement in web interfaces
- **Differentiate** between the usability of icons and text-based labels in navigation menus.
- **Compare** the effectiveness of various notification styles (pop-ups, banners, alerts) in user interfaces
- **Analyze** the impact of poorly designed messages on user satisfaction and engagement
- **Compare** the effectiveness of static vs. animated icons in improving user interaction.

- **Explain how** a well-structured user interface contributes to better usability and accessibility
- **Demonstrate how** user interface design principles can be applied to enhance the efficiency of an e-learning platform.
- **Apply the concept** of consistency in UI design to explain how it improves user engagement and learnability.
- **How can you apply** user-centered design principles to develop an effective mobile application interface
- **How would you apply** knowledge of human-computer interaction to improve accessibility in web design?

- Can you **describe** how ordering screen data and content improves usability?
- What is the significance of **screen navigation and flow** in interface design
- How would you **differentiate** between good and bad screen navigation?
- How does **focus and emphasis** help in guiding user attention on a screen?
- Can you **differentiate** between device-based and screen-based controls?

- **Analyze** how the use of different font styles and sizes affects readability and user experience.
- **Analyze** how color schemes influence user emotions and interactions in a digital interface
- **Compare** the effectiveness of traditional UI development methods with modern AI-driven UI design tools.
- **Analyze** how different keyboard layouts affect user productivity and typing efficiency
- 5.**Examine** the usability differences between touchpads, mice, and styluses in digital interactions.

- **Create** a screen layout that optimizes information retrieval and enhances user engagement.
- **Create** a guideline for balancing aesthetics and functionality in UI design.
- **Construct** a conceptual strategy for reducing screen clutter while maintaining information richness
- **Propose** a strategy for choosing color schemes that enhance accessibility.
- **Propose** a strategy for choosing Text schemes that enhance accessibility.