



SNS COLLEGE OF TECHNOLOGY



Coimbatore-36.

An Autonomous Institution

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Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

COURSE NAME : 19CSE315 – UI/UX DESIGN

I YEAR/ I SEMESTER

UNIT – I UI DESIGN FUNDAMENTALS

Topic: Evolution of user interfaces

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Evolution of user interfaces

1. A Look Back

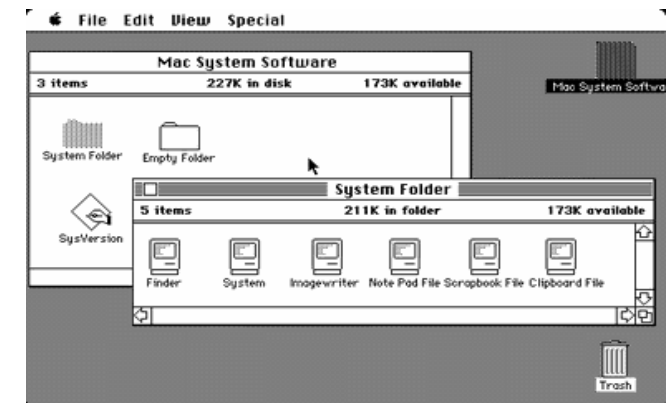
1. One of the first things that comes to mind when we think about the history of UI/UX design is the introduction of graphical user interfaces (GUIs). The graphical user interface (GUI), initially introduced by Xerox PARC in the 1970s and popularized by Apple with the Macintosh in 1984, changed the way people interacted with computers.

2. Before the GUI, people had to use command-line interfaces to navigate computers, which were cumbersome and difficult to use. The graphical user interface (GUI), with its icons and windows, made computers more accessible and user-friendly.

3. The introduction of the World Wide Web in the 1990s was another major moment in the history of UI/UX design. With its hyperlinked sites and simple browsers, the web enabled anybody to access and exchange information online. This opened up a big potential for designers to develop user-centered websites that were both visually beautiful and easy to use.



one of the first personal computers with a graphical user interface





Evolution of user interfaces

1.The rise of mobile devices in the 2000s introduced new difficulties and possibilities for UI/UX designers as technology advanced. Smartphone and tablet designers had to rethink how they handled layout and interaction design due to their tiny screens and touch-based interfaces.

2.Some of the key figures and influencers in the field of UI/UX design include people like Steve Jobs, who popularized the concept of “user-centered design” at Apple, Don Norman, who coined the term “user experience” and has written extensively on the topic, and Jakob Nielsen, who is known for his research on website usability.



The first iPhone from 2007



Evolution of user interfaces

2. A Look Ahead

1.As we look forward to the future of UI/UX design, numerous significant trends and technologies are impacting the profession. The application of artificial intelligence and machine learning in interfaces is one of the most significant trends.

2.Designers are experimenting with new approaches to construct intelligent, conversational interfaces that can comprehend and respond to users' natural language as voice assistants such as Alexa and Siri become more popular, as well as chatbots.



A man wearing a virtual reality headset



Evolution of user interfaces

1. Another emerging trend is the use of conversational interfaces, which are interfaces that resemble human conversations. This strategy is particularly applicable to chatbots and voice assistants, but it may also be applied in other situations such as messaging applications or in-app messaging.

2. Furthermore, accessibility is becoming more crucial in UI/UX design. With the increasing use of technology by individuals with disabilities, designers are emphasizing the need of building interfaces that are useable by everyone, regardless of their ability. This entails designing for various devices, settings, and situations, as well as ensuring that interfaces are not just simple to use but also easy to comprehend.



Mobile device AR



Mobile voice assistants



Evolution of user interfaces

1. Finally, understanding the history and progress of UI/UX design may help designers create creative, user-centered solutions. The way we engage with technology has evolved tremendously over the years, from the early days of command-line interfaces to the present era of conversational interfaces and artificial intelligence.

2. Designers can remain ahead of the curve and build interfaces that are simple, easy to use, and accessible to all by studying the history and current trends in UI/UX design.



