

LAB - 1

Today topics of lab

1. What is UI/UX?

UI/UX stands for User Interface and User Experience.

UI is the visual design of a product or service, such as the screens, buttons, icons, and other elements that enable someone to interact with it.

UX is the overall experience and feeling that the user has when interacting with the product or service.

2. What we will learn in this lab?

a.) Editing Image - Using Adobe Photoshop, Adobe Illustrator

b.) Creating Graphics

c.) AR/Vr/MR

d.) Creating Web Page

e.) Setting Client Server Architecture

3. Adobe Photoshop?

Adobe Photoshop is a raster graphics editor developed and published by Adobe Inc. for Windows and macOS. It was originally created in 1987 by Thomas and John Knoll.

Since then, the software has become the most used tool for professional digital art, especially in raster graphics editing.

4. Adobe Illustrator?

Illustrator is a graphic design application. Graphic designers use Illustrator to create vector graphics. Vector images and graphics are made of points, lines, shapes, and curves based on mathematical formulas rather than a set amount of pixels, and therefore can be scaled up or down while maintaining image quality.

5. Graphics Designing?

Adobe Photoshop

Sketch

Adobe Illustrator

Lunacy

Mega Creator

Affinity Designer

Adobe InDesign

CorelDRAW Graphics

Eagle

Designer

GIMP

6. AR/VR/MR?

Augmented reality (AR) enhances our view of the real world by overlaying what we see with computer-generated information.

Virtual reality (VR) completely replaces a user's view, immersing them within a computer-generated virtual environment.

MR sits somewhere between AR and VR, as it merges the real and virtual worlds.

There are three key scenarios for this type of XR technology. The first is through a smartphone or AR wearable device with virtual objects and characters superimposed into real-world environments, or potentially vice versa.

7. Web Page?

A web page is a document written in hypertext (also known as HTML) that you can see online, using a web browser. Most web pages include text, photos or videos, and links to other web pages. A group of many web pages managed by one person or company is a website.

8. Backend designing of web page?

The backend (or “server-side”) is the portion of the website you don't see. It's responsible for storing and organizing data, and ensuring everything on the

client-side actually works. The backend communicates with the frontend, sending and receiving information to be displayed as a web page.

Languages used:

Javascript

Python

PHP

Golang

C#

Java

9. Frontend designing in web page?

If you've opened an app to check the weather, or scrolled through today's headlines on a website, you've interacted with a front end. Put simply, the front end is a combination of two different elements: the graphic design (the look) and the user interface (the feel).

Languages Used :

HyperText Markup Language (HTML)

Cascading Style Sheets (CSS)

JavaScript

React

Angular

Swift

10. Client - Server Architecture

The client-server architecture refers to a system that hosts, delivers, and manages most of the resources and services that the client requests. In this model, all requests and services are delivered over a network, and it is also referred to as the networking computing model or client server network.