

Practical-1.1

Aim: Introduction to web 3.0, website, web portal, domain name, networking concepts. Introduction to internet, hosting of website, server configurations and maintenance.

Define the following:

Web 3.0 : Web3.0 is also known as the semantic decentralize wave represent the next wave or Phase of internet it aim to Create a more intelligent interconnected and decentralize web experience. Web 3.0, technologies like AI, linked data and decentralized networks to provide context rich information empower users with greater control over the data and enhance privacy and security.

Website : Website is collection of webpages and related content accessible through specific domain name or internet it serve us an online platform where individual businesses, organization or institute can Share information, showcased Product or services engage with visitors and perform iterative functions.

Web Portal : Web portal is website that serve us gateways or entry point to a variety of information, services and resources available on internet. It is designed to aggregate and organize content from different sources into unified interface making it easier for user to access and navigate through multiple resources.

Domain name : A domain name is a unique and human readable address then identify the website on internet it is a user friendly label for numeric ip address associated with server hosting website domain name consist of series of characters separated by dot such as example.com.

Networking concept : It refer to the principles, protocols and technologies involved in connecting and communicating devices and system in a computer network, networking concept enable the exchange of data and resources between connected devices insuring efficiency and reliable communicate within and across networks.

Introduction to network : The internet is global network of interconnected computer network that enables communication and information sharing across the globe. It provide access to array of resources services and information through webpages, email, file transfer and other Protocols. The internet operates on TCP/IP Protocol Suit which enable the talas mission and routine of data Packages across interconnected networks.

Hosting of website : Hosting a website prefer to the process records storing and making of websites of accessible on the internets website files and data are hosted on servers which are powerful computer that are connected to internet and design to respond to user request.

Server configuration and maintenance : Server configuration and maintenance involve setting up and optimizing the hardware and software components of server to insure it efficient operations this include installing and configuring the operating system. web server software dbms, security measures and other necessary software.