

Assignment 2

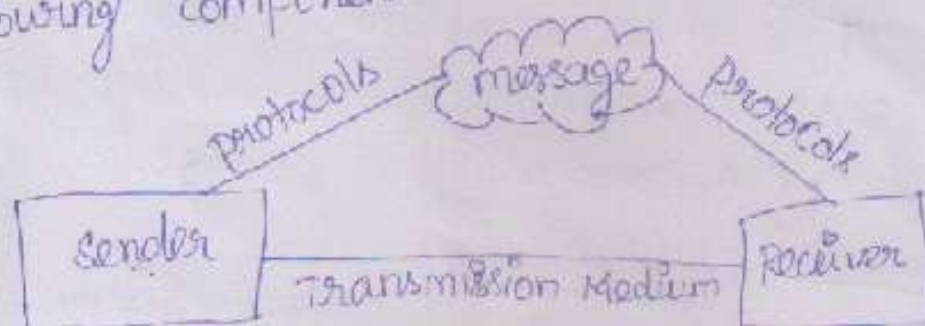
Data Communication.

Data communication specifically refers to the process of using computing & communication technologies to transfer data (the message) from a sender to a receiver - or even back & forth between participating parties.

Communication is defined as a process in which more than one computer transfers information, instruction to each other and for sharing resources. or in other words, communication is a process or act in which we can send or receive data. A network of computers is defined as an interconnected collection of autonomous computers. Autonomous means if no computer can start, stop or control another computer.

component of Data communication.

A communication system is made up of the following components:



Therefore, There are some set of rules (protocols) that is followed by every computer connected to the internet and they are (TCP) Transmission control protocol & (IP) Internet protocol Types of data communication. 1) Simplex communication. ii) Half Duplex communication. iii) Full-duplex communication.

Assignment 3

communication & soft skill

Communication:

Communication is commonly defined as the transmission of information. Its precise definition is disputed & there are disagreements about whether unintentional or failed transmissions are included & whether communication not only transmits meaning but also creates it.

Soft Skill.

Soft & social skills (also called non-technical skills) are those personal values and interpersonal skills that determine a person's ability to work well with others in a project team. Soft skills are needed to deal. Soft skill refers to a set of personal attributes, behaviours and social attitude that enable individuals to interact effectively with others in a workplace or social environment. These skills are essential for building healthy relationship, communicating effectively, solving problems and collaborating with others. Soft skills are intangible and subjective qualities that cannot be measured or quantified like hard skills. They include communication, teamwork, problem solving, critical thinking, adaptability, time management, leadership, creativity, emotional.

Soft skills are often developed through life experiences, practice & self reflection and can be honed through various methods such as attending workshops, reading books, or seeking feedback from others.

Assignment 4

Web Technologies

Web Technology:

web technology refers to the means by which computers communicate with each other using markup languages & multimedia packages. It gives us a way to interact with hosted information, like websites.

Types of web technology:

HTML, CSS, JavaScript, Python, PHP and MySQL for the structure, styles, interactivity, server-side scripting and database management respectively. Advanced web Technologies: advanced tools such as React JS, Ruby on Rails, Node JS, and MongoDB used in professional web technology.

Websites can be broadly classified into three main types: static websites, dynamic websites, and e-commerce websites. Each type has its own characteristics, advantages and use cases. Let's take a closer look at each of them.

Hyper Text Markup Language

web programming Learning web technology is essential today because Internet has become the number one source to information and many of the traditional. A method of communication unique to computer through the use of binary codes and directions. Learn the definition & trends.

Assignment 1:

MAMSI R. Scottia
COURSE: MRCOA
Assignment: ajsa1993@gmail.com

Fundamental of IT & programming

Information Technology:

Fundamentals of core concepts simply defined, Information Technology (IT) is the use of computer & related technology, such as software, cloud-based applications, and networks to communicate or transmit data, build organizational infrastructure and secure information.

Fundamental concept of IT

Information security, computer technical support, business software development and database and network management are four core IT concepts.

Computer programming is a step by step process of designing & developing various sets of computer programs to accomplish a specific computing outcome.

IT is a set of related fields that encompass computer systems, software, programming languages, data & information processing & storage.

The fundamental programming:

The basic programming concepts includes variables, basic control structures, data structures, object-oriented programming, troubleshooting and debugging & various programming tools. These concepts are similar across various programming languages, such as python, c++, c and java.