DSE-2 (IT) 18/05/24 Multimedia. * Multimedia refers to the usage of multiple media of Communication, including video, images, text, audio etc. multiple (émages, video, audio) * what is data stream. Explain the characterettes of it. Data stream is a set of digital signal used for different kind of content transmission.

Data stream work is many ways with modern technology like streaming data from person, web browser and other system.

Data stream Characterstics of multimedia.

System are categorised into 2 types! 1 Tradétional data stream characterstics. -> Asynchronous Data stream Asynchronous transmission works on start and Stap bit in this transmission each character contain Start and Stop bit and irregular time interval.

(there is no fixed time in data packet transmission) Ulses! - Computer to printer .

Keyboard to printer · computer to cord reader:

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-> Synchronous Pata Stream
It is a data transfer method in which continuous
stream of data signal added by temming signal
which help to ensure synchronization of receiver
and fenders the time interval is constant.
ex: computer to computer, bluetooth to compute
reactifies (lange, siere, auchie)
→ Isosynchronous
serve is data sevain weeplane the character server is
It is similar to synchronous transmission but
It is similar to synchronous transmission but time interval between block is almost zero
of the or kind or teasing tea
(2) Continuous Media
delinerate the standing data there source inchi.
-> Time Interval between consequetive faxes packet.
Tota stram thoughostles of neutropica:
* Time interval blu two consequence packet is
constant than this is called strongly periodic data
Constant than this is called strongly persodic data stream.
The interval blw two consequetive packet is
not constant than this is called weekly persodic data
A silvery design to the second more statement sugar alonger
the the European cook character contines.
- Varsation of amount blu Consequeive packet.
there is the the said of a data parter for colors
* If amount of data stays constant during the
If amount of data stays constant during the
· Compacted to Card = take
- Etronola.
on aged stronger broken
- corepular

and not shows. Strongly regular than it is called weelkly regular. (#) Application of Multimedia. # Evolution of Multimedia. Aus Define multimedia system. Explain ets main properaties? The word multi signifies many which means multimedia that allows information to be easily transformed it is the presentation of text, pictures, audio, video, link tools eta that allow user to navigate create and communicate using a computer. * Properties of multimedia. · Combination of media.

· Independence of media.

· Computer Supported Integration (Reels)

· Communication System. regulated into the adapted than should be the

Application of Multimedia

Sending audio and video as attachment via emaile.

Downloading audio and video

> Education field

Learning through the use of pictures and words En: watching a Powerpoint presentation.

-> Entertainment

Used in movies for entertainment, Graming.

-> Advertisement

Used to promote business and products.

-> Business

Application of Business multimedia includes,

Product demos, instant messaging, training employees using projectors.

Evolution of Multimedia

- The first interactive installation called 'The Ultimate display'. This installation allowed user to experience virtual reality and was starting point too Multimedia technology.
- · In 1970's first multimedia computer system were developed. This system could display images and text on the same screen.
- In 1990's, the world wide web was introduced to the public and internet became more accessible.

 This led to creation of multimedia website, which combine text, images and video.
- In 2000s, Social media plot form such as facebook, Youtube were created which allowed user to share multi-media content with each other.
 - · Present, virtual reality and AI is becoming more advanced which allows users to experience multimedia in immersive way.

Hardware And Software Trequirement

- -> Hardware Requirement
 - · CPU Where processing and synchronization of all activities take place.
 - Input Device → Keyboard
 → Mouse
 → Scanner
 → Touch screen
 - . Output Device > Moniter
 - . Storage device HDD

 Pen-drive

-> Software Requirement

- · Painting and drowing tools
 - · 3-D Modeling and animation tools
 - · Image editing tools
 - · Sound editing tools
 · Animation video