

Assignment No-4

Q1) What is groupware in detail?

The understanding of the way people work in group with the unable.

Network, associate, hardware, software are designed to support group working

- Not just tools for communication
- Groupware can be classified by
- when and where the participants are working.
- The function it perform for cooperative work.

example :- Gmail & google workspace

Groupware is the multi-user SW supporting computer supported cooperative work system.

Groupware is the information technology made effectively.

- Groupware type :-

a) Face to face group allow to work together in the same place.

b) Distance :- groupware allow to work in different place

- SW specially design :-

- i) To support group working.

- ii) Comparative requirement in mind.

- iii) Need Computer supported cooperative work (CSCW).

- a) groupware development

- b) object of interest, no simplicity.

- Important of groupware.

- a) from group communication interest

- b) better customer service

- c) ~~expenses~~

- d) specially group problem solve.

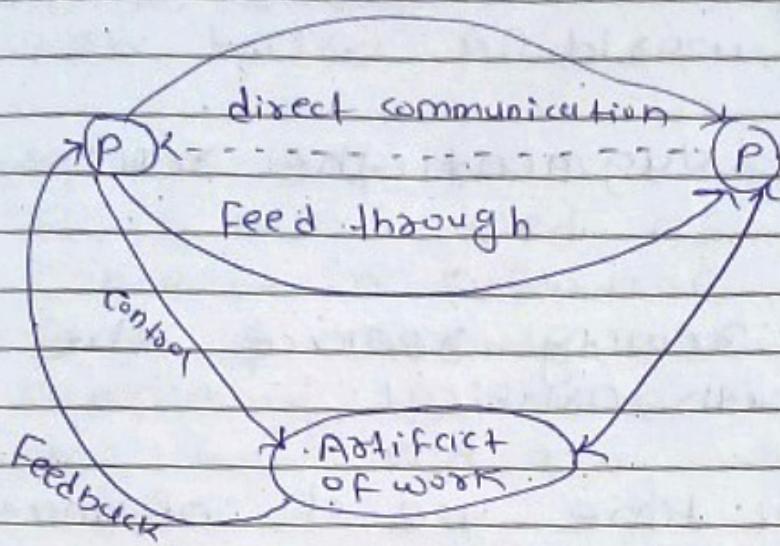


Fig - classification by function.

Q.2) Explain augmented reality in detail :-
 Augmented reality is technique that allow use to overlap digital information with their physical world.

~~The Augmented reality (AR) display have an exceptional characteristic from the human computer interaction perspective.~~

- Hard to register real & virtual
- Need a mechanism to combine virtual & real world.

Used to maintain a sense of presence
in real world.

System augment the real world
scene.

Virtual reality replace the real
world with artificial.

The real time use of information
in the form of text, graphics, audio
& other virtual.

Augmented reality architecture are
the following

Diagram :-

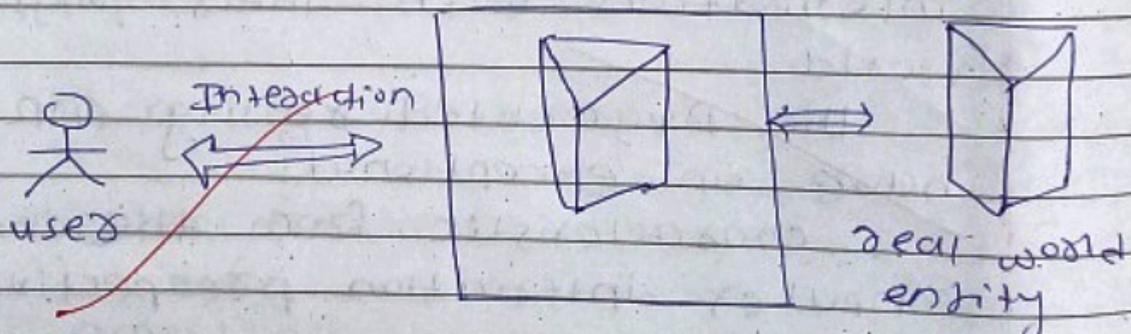


Fig - Augmented reality
architecture

* Benefits of augmented reality

- Create augmented reality for the growth of customer conversion rate.

b) Simple implementation process of web based AR.

Q3) Explain Ubiquitous computing in details.
 It is also called as "Ubicom" is a concept in software engg. hardware engg & computer science where computing is made to appear anytime and anywhere.

We are surrounded by the computing.

Computing and processing by embedded into every day device.

Device can be connected & networked.

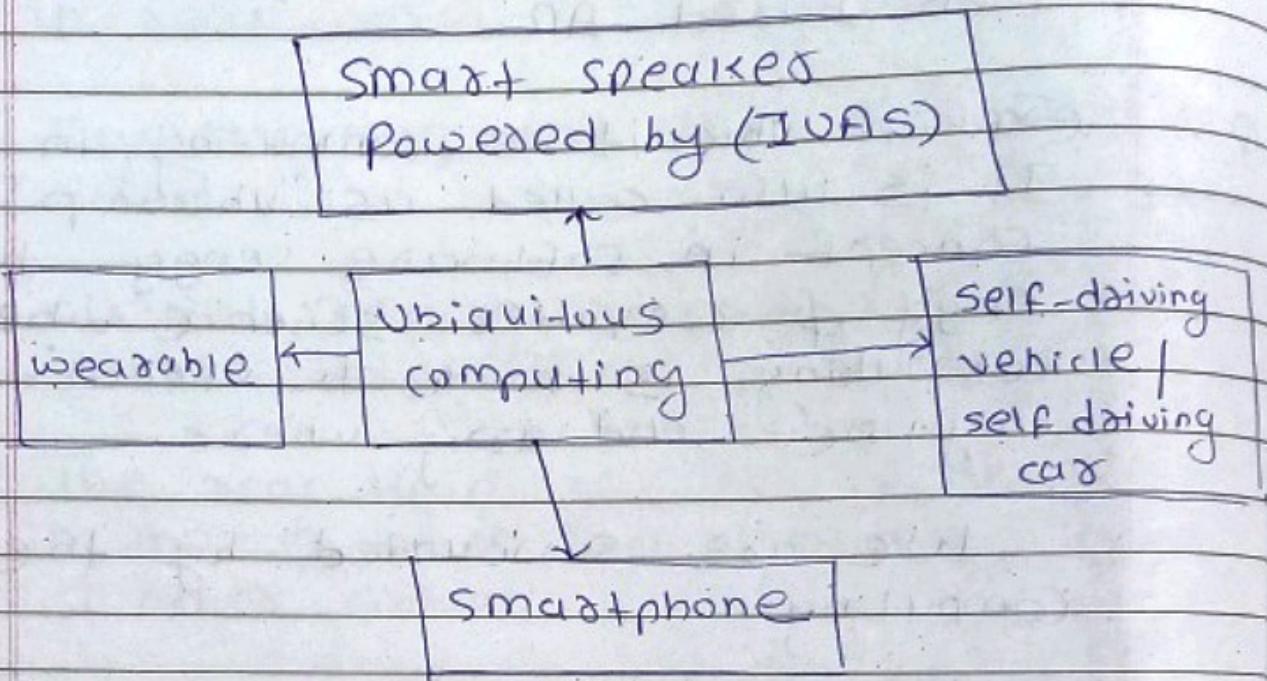
~~These are many computer process of person~~

Information access & communication is possible virtually everywhere.

Application :-

- 1) smart phone
- 2) wearable
- 3) smart speaker
- 4) home automation

What is ubiquitous computing?



- Ubicomp (Ubiquitous computing) properties :-

- a) HCI
- b) Context Aware
- c) intelligent
- d) distributed
- e) Autonomous

Q.4) Define hypertext & multimedia
 explain the history in detail
 → hypertext side useful for checking
 out new source while reading
 a text

hypertext direct link to related
 text, images or unlinked data

hypertext is also called as hyperlink
or simply link.

hypertext is text displayed on a computer display hypertext is which contain link to other text

It was coined by Tendnison
found 1985.

book marks

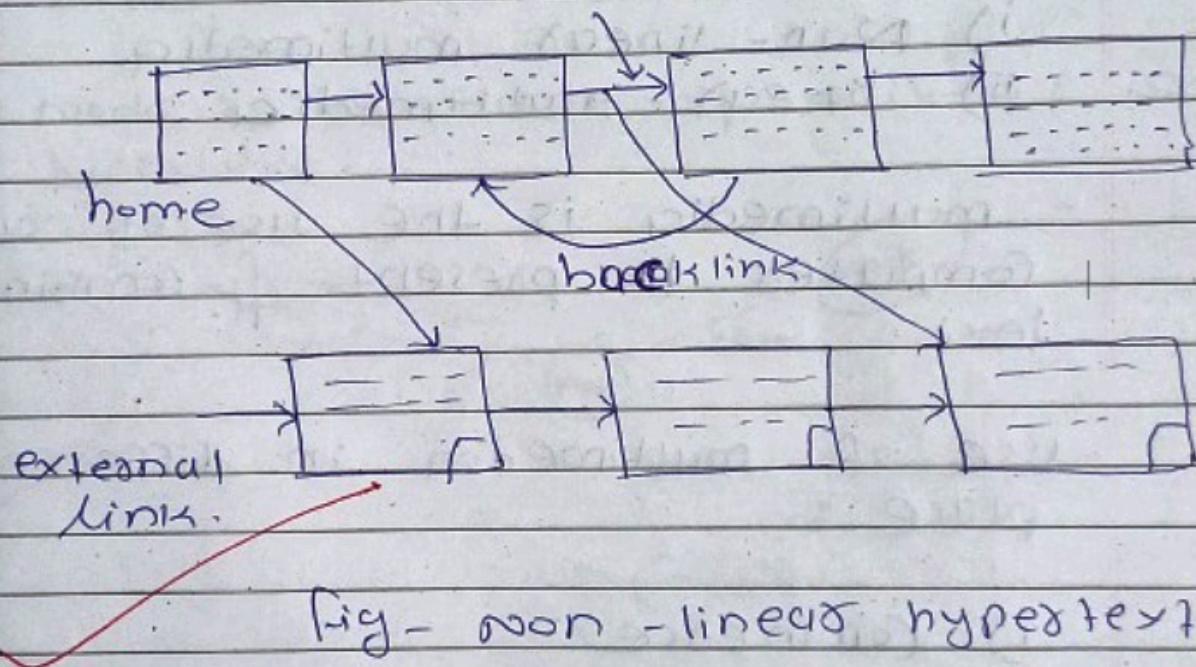


Fig - non - linear hypertext .

2) multimedia :-

multimedia is any combination of text, graphic, sound and video that is delivered by computer

Basic element :-

- a) Text
- b) image
- c) audio
- d) video
- e) animation

These are two types of multimedia.

- i) Non-linear multimedia
 - ii) linear multimedia
- multimedia is the use of a computer to present & combine text.

Use of multimedia in different place :-

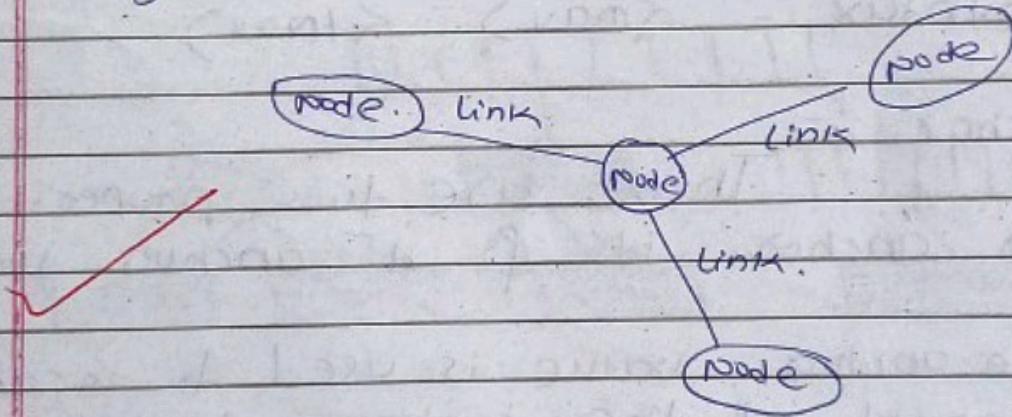
- i) commerce
- ii) education
- iii) education technology
- iv) communication
- v) Engineering, research, medicine

And multimedia is used to represent information in an interesting & interactive manner.

Q.5) Explain element of hypertext in detail ?
 → These are the following element of hypertext

i) node :-

- The node is a element of hypertext
- This node is linked to another node forming network.
- node is fundamental unit of a hypertext



ii) link :-

link are also fundamental unit to form hypertext link.

- Are must always in at their destination point to provide user with some object

iii) Navigational tool :-

Browsed basically a house is a program. e.g. subprogram that can display a diagram of a network of node.

- overview diagram
- map
- mail
- attribute
- presentation
- syntax - <nav> </nav>

iv) Anchor :-

These are two properties of an anchor 'id' & 'a' anchor value

The anchor value is used to locate a part of the content of the component

Syntax - <a>

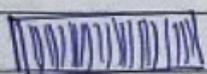
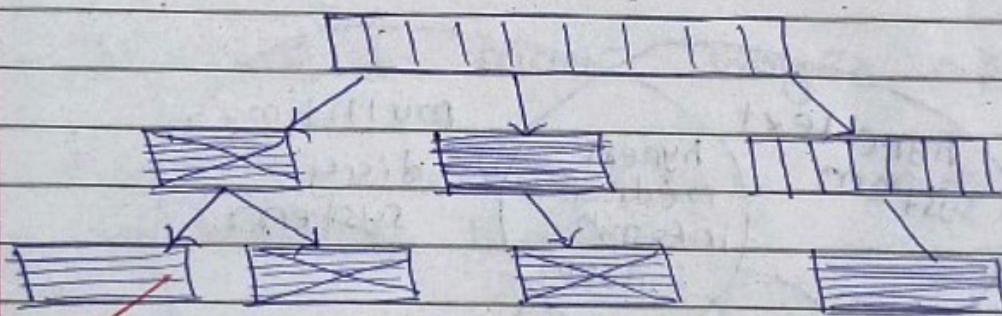
Q. 6) Explain characteristic of hypertext in detail ?

→ characteristics of HT :-

1) Non-linear :-

The non-linear is one of characteristics of hypertext.

Non-linear that is not directly linear (straight forward) sequence.



New information



New to me / this is
interesting



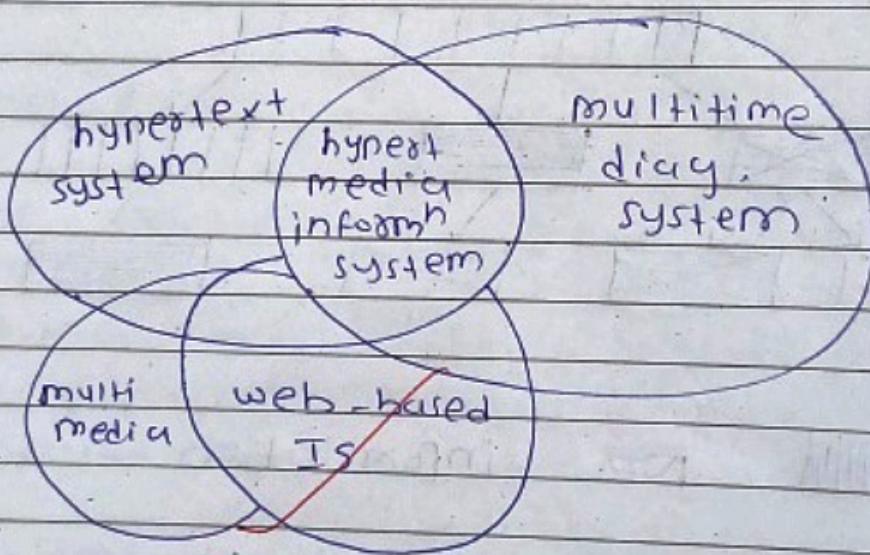
already know this.

2) multi-media :-

Basic element

- 1) Text
- 2) Image
- 3) Audio
- 4) Animation
- 5) video

multimedia is the use of a computer to present & combine text



multimedia is also characteristic of hypertext

ex - Time.

3) Digital :-

The digital refers to the use of advanced information & commⁿ tech.

- The digital is characteristic of hypertext.

Ex - Time

4) Extendable :-

- It able to made longer or larger

Ex - "The dining bug come with an extendible handle".

✓ Basically system can expand the process in software.

~~8/11/23~~