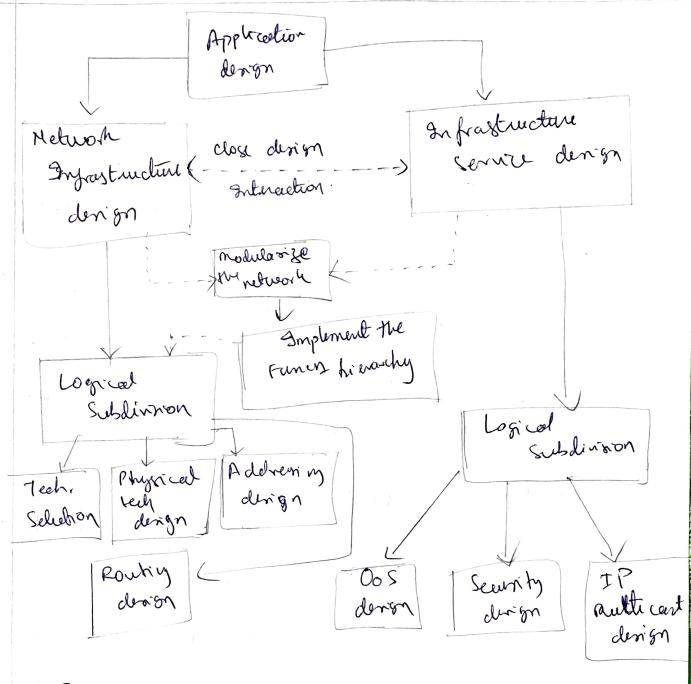
CAE-1

COMPUTER MCTWORKS

PART-13

- 6
- 6 They As a network engineer we have to doox the best development structure based on the requirements of the company.
- > The requirements will be different so is and so is the design approach for each too structure.
- -> There are 2 different try per of starelier of proaches
- 1 Top down Approach:
- > This approach to network design means that requirements are considered first with the application and network solutions that will run on the network driving the design
- This of type of approach is prefused by many retworks network engineers as it follows the requirements to dead develop the retwork for the company.
- > This also large a foundation for a good and accurate network design



(1) Bostom - Up Approach

go would it select devis, features, cabling et and then try to fit the application onto min petwork.

I This type of approaches are not recommended secons monded as they can can had to redesign if the applications are not a commodated properly

Application

Transport

Metwork

Duta Link

Physical (Start here

- > For me, I so would be always choose the topdown approach for any case of requirements siven to me by the company.
- > This will reduce my rederion job and it will be complex. to make.
- The reason such behind it's will usability is Ether ret and it is cary to implement and maintain.

	types of Ether net
	10 Bays
	Thick offernot
3	Upto 100 stations can be connected.
~	(0 refers to transmission speed of to maps
	a land cimal M'
\(\)	S for man regment length (500 meters).
(1)	10 Bou 2
1	Thin edhernet.
7	Mare man segment length of 185 m
(11)	OBage T
ゥ	go from Computer to a this.
今	Supported Spread 10 m Bit 1 sec.
<i>→</i>	man length in 100m
(1)	Some es WBart, but this transfer light
ろ	ulus star topology.

P MET. A

1	Computer	notworks	helpsur.	usus	or th	& network
	to show	the rese	ourles ovre	t it	who in	Communi-
	cation				1 0 20:41	

@ The pollowing one the design methodologies

Densire that our communication returned can adjust to the new demands

(1) Support our network based economy

(1) Information return security must be derigned to automatically find off empected incidents

Willing hierarchical network design principles.

3 Blain on the gods gods.

@ O Scalobality

@ adeq toboility

(Contr. Contr.

(manage ubsility

O medicabality

(v) Eage of implementation.

The poloning are the key elements.

1 Syntan | Tu

(ii) timing

(1) Sementing

(5)

Routing in the process of scheding a path for traffic in a network [between (across multiple networks. Broadly, routing is performed in many types. of networks ind inducting circuit switched networks.