

## **Department of Information Technology**

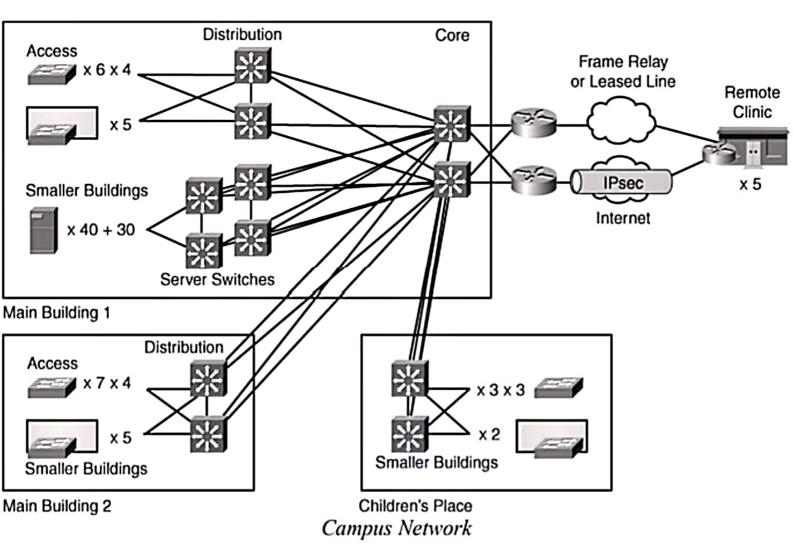
Academic -2021-22

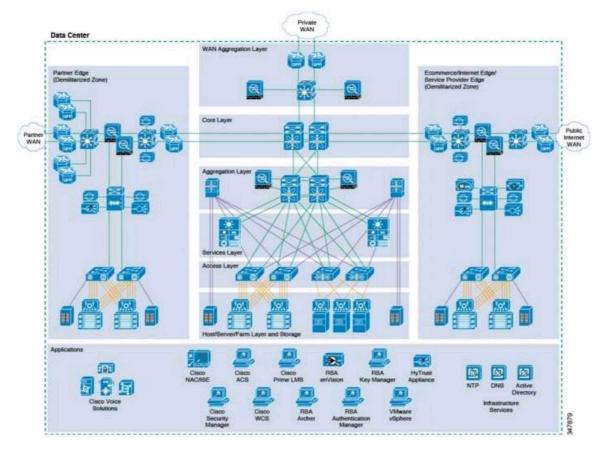
| Assignment No: 01             |
|-------------------------------|
| Subject: Network Design Lab   |
|                               |
| Roll No.: 18IT1050            |
| Name of Student: Soham Salkar |
| Class/Batch: A/A2             |
| Date of Performance:          |
| <b>Date of Submission:</b>    |
|                               |
|                               |
| Grade:                        |
| Signature:                    |
|                               |

steps for identifying req. for network design As the organization's network grows, so dog organization's dependancy on the network and it- Network - a cleasible mission-critical applications that dre essentito organizations operations depends on network availability. After gathering all customer identity and scope reassess comprehensive Extracting initial requirement : Fritial typically requirementsdocuments that the customer issues formal requestito vendors for requirements that the document design process requirements and reviewing For rentication and approval objain achering Network Requirement The gathering requirements can be hiesteps. During these steps the designer the project win curomare start gamer the necessary dala Planned Application and Network Service: designer must determine runich applications customer is planning to use and the import each of these applications. Using a organize applications and cervices planned organizational Goals: Every design project should

begin by determining the organizational goals That hiered. the cri me consequences undershow, Nelwork designers are analycing igods before organizational goay on de constrains may ze how modular approach is bereactiff component of a composite modular nemoric design irroluce men begut togen mat can to meet requirements of entire network modules are analogous to building blocks different shapes and sives when creating a building each block has different The block might be used in multiple home and effect in overall design and building proces As when used for a building a modular design for a nemork nas mary benefits, include following (1) It is easier to understant and design smaller simpler modules rather than an entire network 12) It is easier to trouseshoot anglier elements compared to entire network (3) the rocuse of blocks canes design time and effort a well as implementation time and A) The reuse of block allows the network inorghow early providing nemore scarawility (5) of the easier to change modules bis wenthere one work a providing frexion to cound engy

Sidvaleki med





Data Centre Network