Scenario Mail Design (TTF)

You are a Messaging Engineer with a computer systems integration company named 'Skillage I.T.'. You have been tasked with designing a new secure messaging implementation for a new medium size client. You will use your newly gained knowledge to design and implement the mail infrastructure and VOIP services in order to facilitate a successful outcome for Skillage I.T. and the client.

The project has had some preliminary work done on it and you have the following information available...

- ➢ Business Plan
- ➢ Company Profile
- ➢ Existing Topology
- ➢ Stakeholder Interviews

You need to produce a plan to upgrade the network infrastructure. The following is a list of the project deliverables:

a. Network Design and supporting documents
b. Server Specification – two proposals using different hardware vendors – include:
    i. Roles of servers
    ii. Number and location of servers, based on Roles
    iii. Approval sign off document
c. Server build task list template
d. Server Test plan
e. Server Maintenance plan
f. Security policy and plan – including:
    i. Perimeter Design
    ii. Remote access
    iii. Site to site links
    iv. Defence in Depth
    v. Security Auditing
    vi. Risk Analysis
    vii. Firewall configuration and ports
g. User documentation
h. Disaster Recovery Plan
i. Ongoing maintenance support (SLA)
j. Project Plan must include:
    i. The design and implementation of mail services.
    ii. The design and implementation of VOIP voice and video business communications.
    iii. Suitable staff to carry out each function with identified skill sets.
k. Handover schedule including post implementation review.

There are many components that go into developing a successful network infrastructure design and implementation.

Ensure you use appropriate documentation for each component.

Use network maps or diagrams, lists, block diagrams, component maps, etc.

All of the work that you submit must be your own work and that appropriate referencing is used.