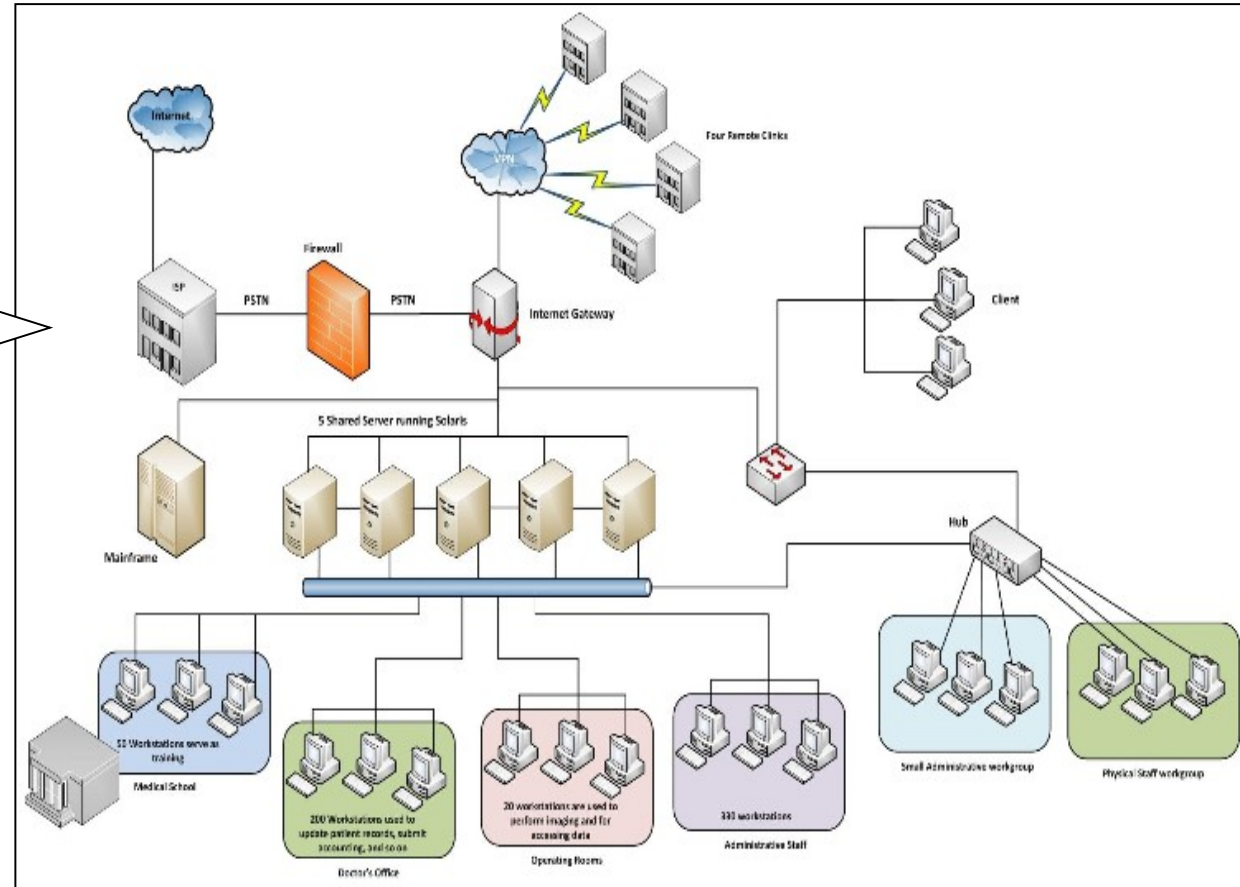


Network configuration value chain analysis



- **Sector:-Economic Infrastructure**

sub sector :-telecommunication and ICT

value chain title :- network configuration

Objective

- To design, install and configure network equipments.
- To provide secure administrative computing service to an organization.
- To facilitate integration and Update
- To share expensive resource
- To enhance communication performance
- To forward possible network based service recommendation to address the problems in relation to designing, installing and configuring network

FIGURE AND FACT

Compare & contrast points	Figure(AS-IS) Ethiopia (H/m)	Fact(To be) USA (Cisco)
Man power	less professional(by experience)	Professional and skilled
Capital	low	high
Material storage	Less functional	Functional
tools and equipment	Use materials	Use standard material
safety	Less safe	safe
Project management	Less managed	managed
Shop clearance	By manually	By machine

Network configuration Value Chain (As is) Ethiopia

Input

Design
/specification

[select tool and equipment](#)

network design

[Select the Network topology design for appropriate enterprise](#)

Network
designer

- Design star topology
- Flow of information/data
- Reduce material cost
- Resolve shop layout problem

Network configuration

- Sharing network
- Administrating network
- [Configuration network and cable testing](#)

Customer
Network
administrato
r

- Configure the network
- Administrate the network
- Minimize cost
- Data security

Implementation

- Coding, testing, Installation
- Documentation ,training and support

Network configuration value Chain (To Be) USA (Cisco)

Input

Design
/specification

[select tool and equipment](#)

System analysis

- [Data gathering](#)
- Analysis of the business requirements

- [customer](#)
- requirement analyst

- Close involvement of the customer in the analysis
- Observation of the current situation in the organization

Network design

[Select the Network topology design for appropriate enterprise](#)

[Network designer](#)

- Design star topology
- Flow of information/data
- Reduce material cost
- Resolve shop layout problem

Network configuration and installation

- Sharing network
- Adminstrating network
- [Configuration network and cable testing](#)

Customer
[Network administrator](#)

- Configure the network
- Adminstrate the network
- Minimize cost
- Data security

Implementation

- [Coding, testing, Installation](#)
- Documentation ,training and support

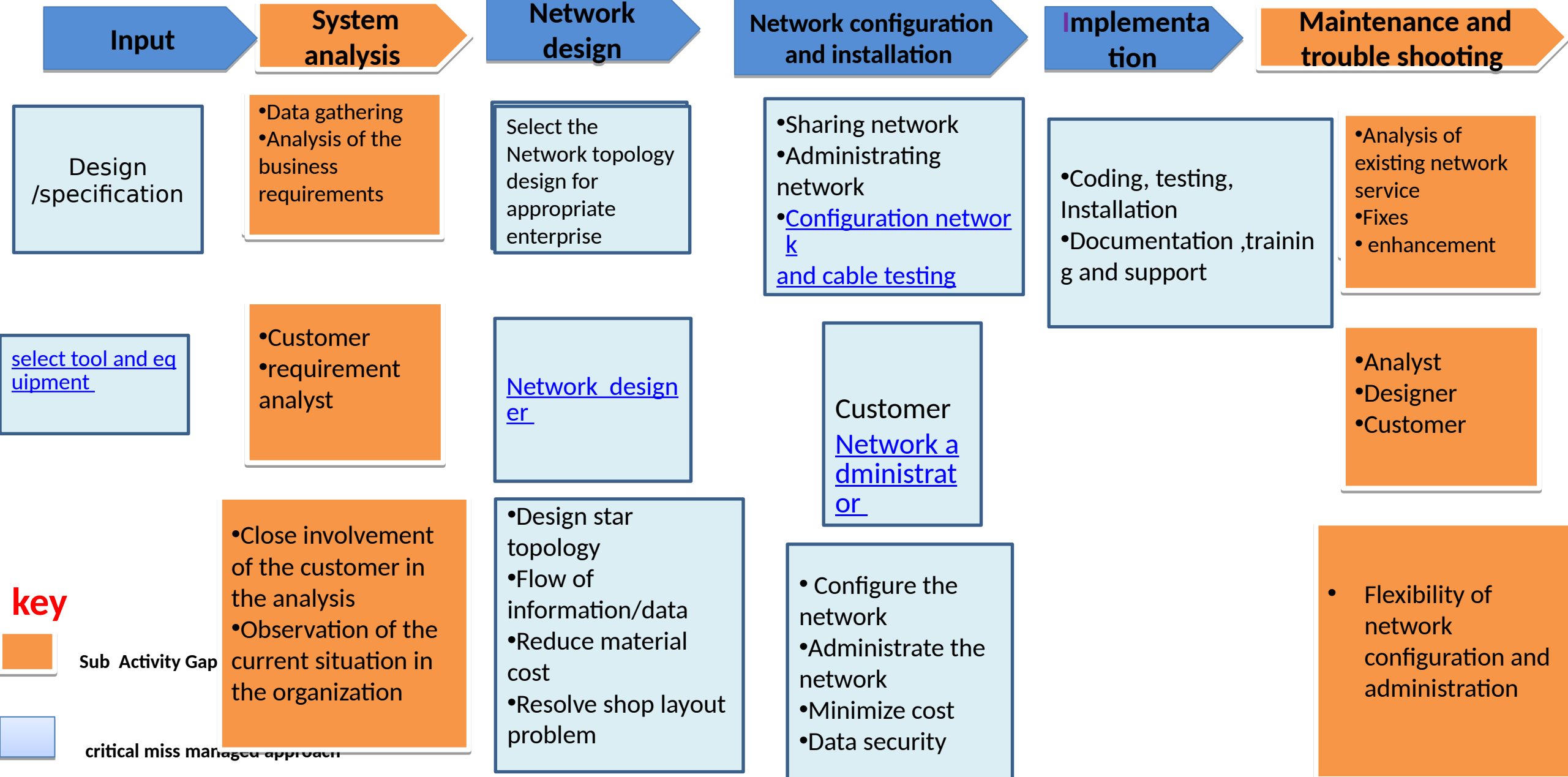
Maintenance and troubleshooting

- Analysis of existing network service
- Fixes
- enhancement

- Analyst
- Designer
- Customer

- Flexibility of network configuration and administration

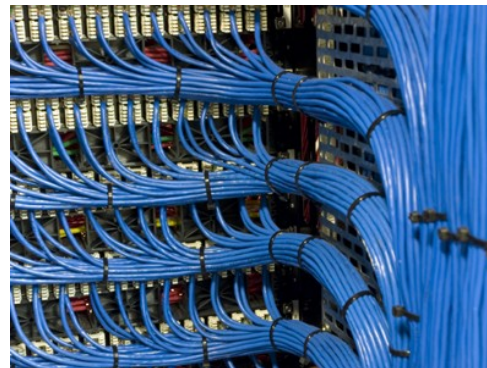
Network configuration Value Chain (gap)



	Techno ware	Human ware	info ware	Orga ware
Input	Cable, router, switch	Technician, tool supplier	Manufacture manual	Electronics plc, network developer
System analysis	System analyze software's	System analyst	System information	
Network design	Microsoft Visio,	Network designer	Network manuals	Cisco
Configuration	Connectors, software intallation	Network developer		
Implementation	Hw & sw Installation	Programmer, hw engineer	Syntax , manual	Microsoft
Maintenance & testing	Tester, command	Programmer, hw engineer	Syntax and commands	

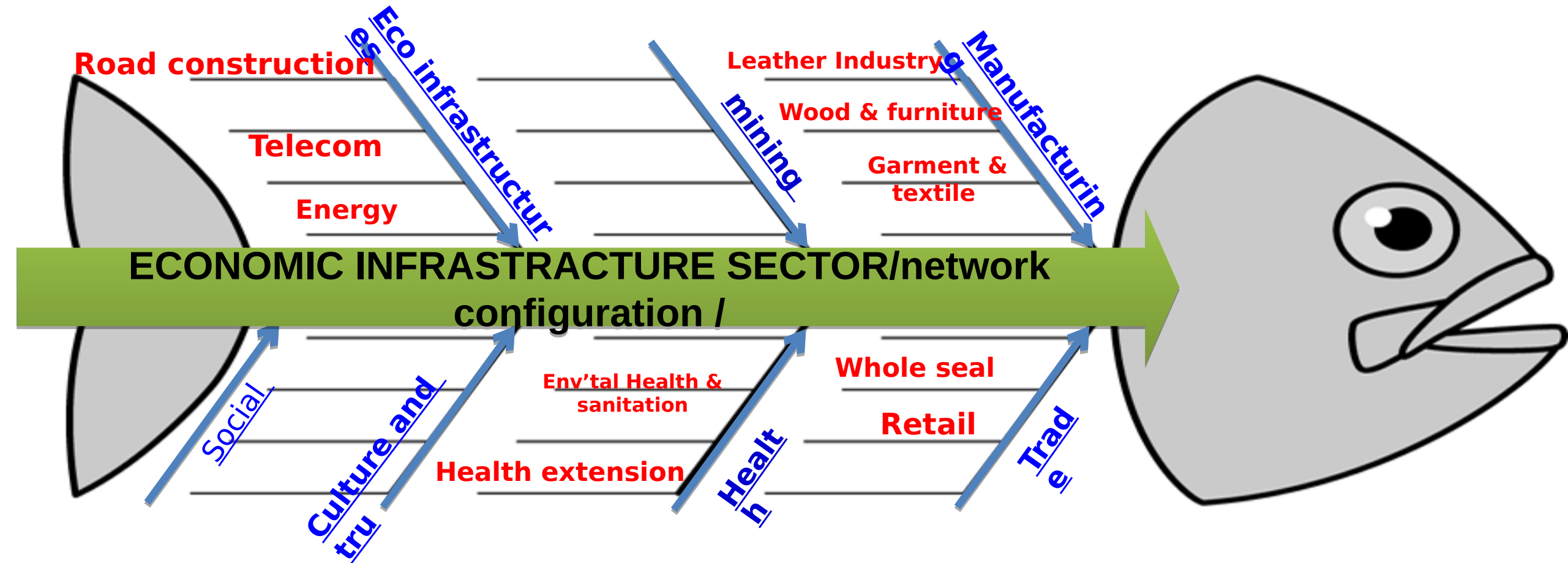
OTHER TECHNOLOGIES

- TECHNOLOGIES



linkage of value chains in relation to different priority sector

Economic infrastructure



it : Value chain for network configuration.

The changes that come from bench marking

R. N	Indicators	Measurements	Bench Marks	As Is
1	High network configuration	Number of service	High number of service	Low number of service
2	High customers need to buy these service.	Number of service	High number of service	Less number of service
3	Increase skills for the person	Ability	Skill full ability	Less skilled man power
4	Save service cost & increase service utilization	Time	high	Medium
5	Quality of network	Quality	High quality	Less Quality

The Results that come from bench marking

R.N	Outputs	Outcomes	Impact
1	Increased network configuration	Higher customer needs	Increase customer linkages
2	Service attractive designs	Attractive designs to the customer	
3	Higher job opportunity	Create new job	Reduced jobless powers
4	Quality finishing	Attract customers	Increase market linkages

Evaluation of the value chain analysis

- Ethiopia is good for telecommunication and ICT .
- poor in network configuration in international market
- Least in network configuration process.

Constraints contributing to these facts are:

- Wastage of resource:-
 - Time
 - Cost (money)
 - Lack of data security
- Manual resource transfer

Planning

- Acquire technology
 - Copy from already imported or From internet.
 - Prepare Design , specification and data gathering
(prepare design at TVET, service prototype in TVET.
Initiate joint action plan)
- . Marketing plan
 - preparing brochures
 - client satisfaction

**THANK YOU
VERY MUCH**