**EVSU – Information Technology Department**

**CCNA 14 Accessing the Wan**

**Project Proposal**

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Proposed Title: **Network Design for Toei Company**

Network Design

Discussion of Designed Network

As the owner of the Toei Company we want to have an additional office 500 meters away from the main’s office. We have a wireless devices such as laptops, wireless tablets and smartphones devices. We always use the internet for our clients because some of the client may contact us online. In that case we want a secure connection for our offices.

1. Objectives of the design network.

* Network security
* Reduce redundancy
* Fast connection
* Connecting each branches

1. Specific functions of the designed network.

* DHCP (Dynamic Host Control Protocol)
* IP address, net mask, gateway, or DNS servers
* OSPF (Open Shortest Path First) protocol
* Spanning Tree Protocol (STP)
* WAN (Wireless Area Network)

Proposed Title: **Private Connection Network Design for Daniel’s Gallery Shop**

Network Design

Discussion of Designed Network

Gallery Shop Express has branches in Tacloban City, Cebu and Eastern Samar, they keep on traveling just to validate there every braches, so they decided to have a network design to lessen their sacrifices. The design of their network must have a private connection which is administrator to administrator only and administrator to hosts, it must have secure and fast connection for the services flow of their company.

1. Objectives of the design network.

* Fast connections
* Private connection
* Reduce traffic in a network
* Connecting each branches
* Security
* Hosting

1. Specific functions of the designed network.

* Full-duplex Fast Ethernet
* VLAN
* Network Traffic Control
* WAN
* Switched Networks
* Subnetting

Proposed Title: **FPOSI Network Design**

Network Design

Discussion of Designed Network

1. Objectives of the design network.

* To provide static IP addressing
* Connectivity in a wide area network
* Set VLAN on the two branch
* For security and fast performance

1. Specific functions of the designed network.

* Static IP addressing
* VLAN
* OSPF (Open Shortest Path First) protocol
* WAN (Wireless Area Network)
* Link Aggregation (CCNA 3)