



LIONS GUARD NETWORK

1201 Scenic Hwy, North
Babson Parl, Fl

(863)564-5567
FAX(863)345-3452

COMPUTER NETWORKING 1

NETWORK PROPOSAL

3D HOLOGRAM DESIGN

PREPARED BY:

WILLIAM DE LA CRUZ, STEVEN CAZARES, EMILY GUGIERREZ , CHRIS

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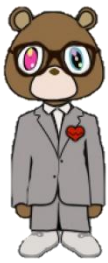
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I. Phase I floor Plan

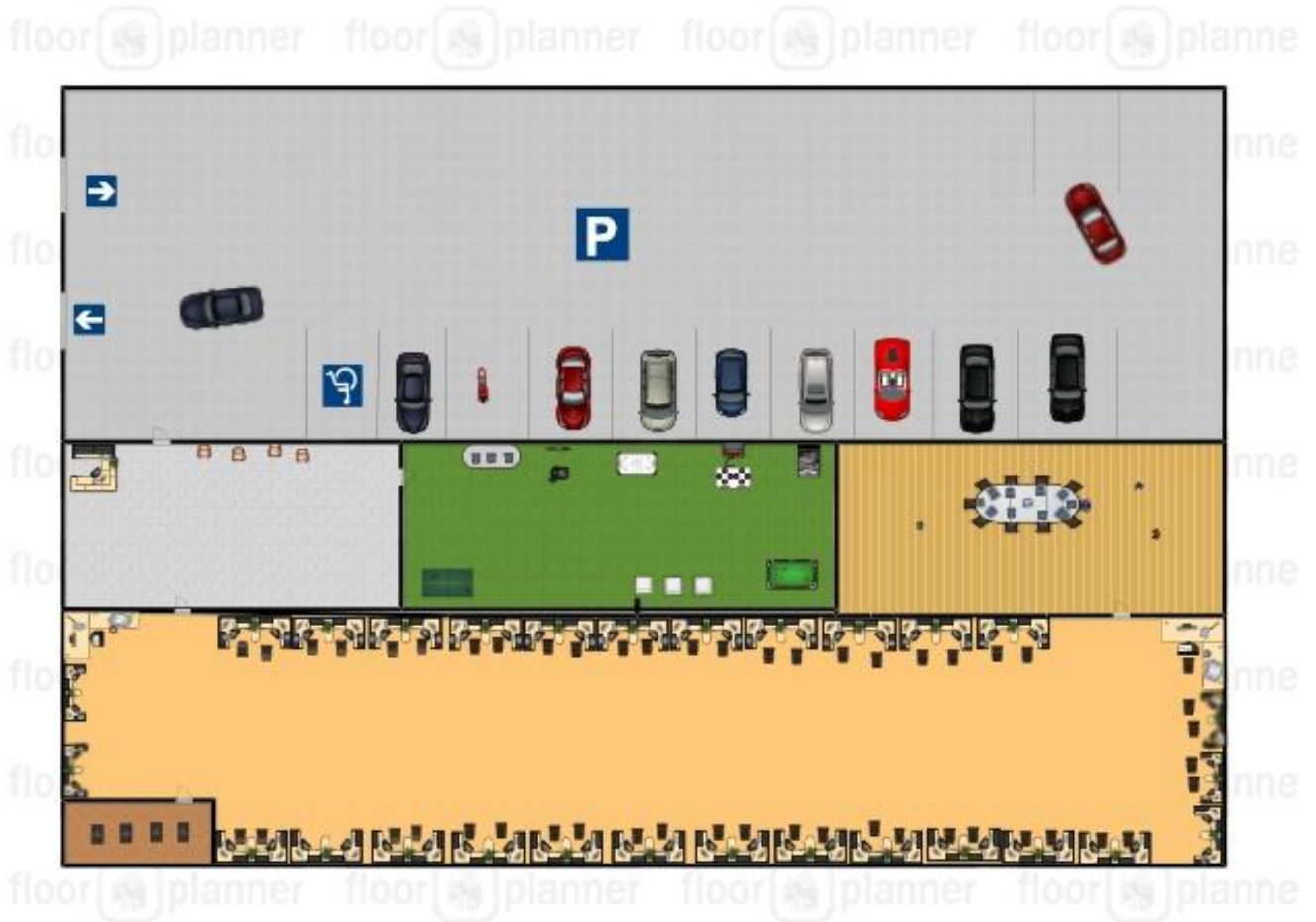
- 1. Phase 2 Parts and Price list**
- 2. Phase 3 Cost Quotes**
- 3. Phase 4 Data Access**
- 4. Phase 5 Maintenance Agreement and Warranty**



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FLOOR PLAN

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HP dv4-5220us



Modular jack



Raceway SWH-12411 1" Premiere Wirehider Raceway



TRENDnet 24-Port Patch Panel



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400pc ProNylonCable Ties



HP LaserJet Pro 400



APC SMT750 Server UPS



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Samson Universal Equipment Racks with Casters



Pomona Patch Cable Racks & Test Lead Holders for RG59 and Bantam Cables



Belkin F9K1112 AC1000 Dual Band Wi-Fi Gigabit Router



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	Decription	Unit Price	Quantity	Total Price
1	Hp dv4-5220us			
2	Raceway SWH-12411 1" Premiere Wirehider Raceway			
3	TRENDnet 24-Port Patch Panel			
4				
5				
6				
7				
8				
9				
10				

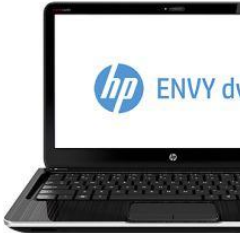
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	Item	Description	Unit Price	Quantity	Total Price	Image
1	HP dv4 dv4-5220us	<ul style="list-style-type: none">• Windows 8• 3rd generation Intel® Core™ i5-3210M Processor 2.50GHz with Turbo Boost Technology up to 3.10GHz• 6GB DDR3 SDRAM (2 DIMM)• Intel® HD graphics 4000 with up to 1696MB total graphics memory• 750GB 5400RPM hard drive with HP ProtectSmart Hard Drive Protection• HP Imprint finish with the strata design in linen white• HP TrueVision HD Webcam with integrated dual array digital microphone• SuperMulti DVD burner• 14.0-inch diagonal HD BrightView LED-backlit display (1366 x 768)	598.00	40	\$23920	

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2	Modular Jack Smooth Wall Plate	Modular jack smooth wall plate. White	\$2.69			
3	Raceway Swh-12411 1" Premiere Wirehider Raceway	Wires insert between soft flaps that act as doors. Easy to install. No tools required. Self-sticking adhesive tape. Adheres to almost any surface. Can easily hold more than one wire or cord. Instantly improves all surface appearances.	\$6.49			
4	TRENDnet 24-Port Patch Panel	<ul style="list-style-type: none"> • Meets ANSI/EIA/TIA 568-B.2-1 and ISO/IEC 11801 Standards • New version 110D IDC type terminal blocks (use 110 or Krone type tool) • Color-coded labeling for T568A and T568B wiring schemes • 180° angle type (horizontal) • 1000Base-T Copper Gigabit Ethernet ready • Compatible with Cat. 3, 4, 5, 5e, and 6 cabling • 	\$29.99			

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5	400pc ProNylonCable Ties	Inland 400pcs. Pro Nylon Cable Ties	\$3.29			
6	HP LaserJet Pro 400	Produce professional-quality color documents with ease and fast speed. Easily integrate into your office or wireless home network. HP features help you save energy and print from virtually anywhere with HP ePrint	\$399			
7	APC SMT750 Server UPS	500 Watts. 750VA. Input/Output 120V. Interface Ports: DB-9, RS- 232, Smart-Slot, and USB.	\$289.00			
8	Samson Universal Equipment Racks with Casters					
9	Pomona Patch Cable Racks & Test Lead Holders for RG59 and Bantam Cables		\$20			

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10	Belkin F9K1112 AC1000 Dual Band Wi-Fi Gigabit Router	Now the whole family can access their own online content, on multiple Wi-Fi devices, all at the same time, from anywhere in your home. The Belkin AC 1000 improves mobile device performance, and works seamlessly with Wi-Fi `N and `G devices. Get the most out of all your Wi-Fi devices and take home networking to the next level with the Belkin AC 1000 DB Wi-Fi Dual-Band AC+	\$139.99			
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ETHERNET IS YOUR CHOICE

The reason our company used Ethernet over Token Ring was because it was much cheaper to purchase. The prices for Token Ring solutions remain high compared to Ethernet-based solutions. Token ring is twice as much as Ethernet. Also Ethernet is better equipped to support emerging networking applications and technologies such as gigabit speeds, multimedia, multicast, and voice/data integration applications. Ethernet also offered by a larger number of vendors than Token Ring.

Token Ring users who are not already well into a migration away from that technology, time may well be short. The Token Ring migration is often coupled with other infrastructure changes, such as the elimination of legacy protocols in favor of IP or the refresh of desktop PCs. Also Ethernet technologies are the price/performance curve available to users of Ethernet-based products such like our products.

When it comes to computer networks, terminating Ethernet cable is almost always easier and faster than terminating fiber-optic cable. Ethernet cables can be connected to any RJ-45 connection found on most desktop computers, routers and modems. Very few desktop computers come with fiber-optic adapters, however you can get these adapters to connect yourself.

The most common fiber-optic connector is the Gigabit Interface Converter, which can be installed on most desktop computers, provided you have another computer or device with its own GBIC adapter. It should be noted that fiber-optic cable is also used on other electronics, including audio devices, and isn't limited solely to networks.

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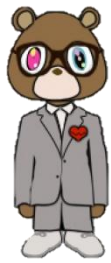
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To our company we mainly used Ethernet because it saved us much more money and also it made our networks much better than Token Run, or Fiber Optic. That way our customer service can be much better and our customers can be much more happier with their service.

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1	Hp dv4-5220us	\$979.99	40	\$39,160.00
2	Raceway SWH-12411 1" Premiere Wirehider Raceway	\$3.92 for 4 feet.	4,000 feet	\$39.20
3	TRENDnet 24-Port Patch Panel	\$19.95	3	\$59.85
4	APC SMT750 server	\$289.00	4	\$1,156.00
5	HP LaserJet Pro 200 color Printer M251nw	\$229.99	20	\$4,599.00
6	OptiPlex 3010 desktop	\$429.00	60	\$25,740.00
7	1U 19-inch horizontal cable manager	\$55.99	5	\$279.00
8	Slim 5 Series Equipment Rack 26 inch depth	\$210.00	5	\$1,050.00
9	Modular plug jack 25'	\$3.00	15	\$45.00
10	Belkin F9K1002 Wireless-N300 Router	\$39.99	2	\$79.99

Presented To Instructor: Mr. Hamilton

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