

## Final Project Contents

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  - b. Drawings
    - i. Network layout/cable path
    - ii. Rack outlay
3. Wiring
  - a. Nr of double outlets, 1 calculus example
  - b. UTP quantity calculus, detailed example for 1 room
  - c. UTP boxes
  - d. FO quantity detailed calculus
4. VLAN's and IP assignment
5. Equipment
  - a. Present two options for each equipment with brief data sheet
  - b. Motivate your choice with technical and monetary arguments
6. Environment
  - a. Rack size calculus and choice
  - b. UPS power calculus and choice
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  - d. Present two options for each equipment with brief data sheet
7. Active equipment list with quantities and price (**tabular form**), **name, caract., price, quant. and value**
  - a. L2 switches
  - b. L3 switches
  - c. FO modules
  - d. Firewall
  - e. Wlan AP; AP controller
  - f. IP Phones
  - g. UPS
  - h. Cooling
8. Material list with quantities and price (**tabular form**), **name, caract, price, quant. and value**
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  - b. UTP cable
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  - e. Patch panel
  - f. Patch cords, UTP and FO
  - g. Organizers
  - h. Rack
  - i. Miscellaneous
9. Packet tracer simulation
  - a. Partial simulation of designed network
  - b. 5 VLAN's: Management VLAN protected from other VLANs, WLESS, 2 DATA, IP Phones
  - c. WLAN
  - d. IP Phones; demonstrate IP phone Call
  - e. DHCP server
  - f. Inter VLAN routing, remote access from management console to all devices
  - g. Redundant paths/links between L2 and L3 devices
10. Drawings
11. References
  - a. Links to equipment data sheet

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