IoT Project Proposal

Network Embedded Systems

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Project specifications:

➢ Multi-floor smart building:
  o Each floor has its own small IoT network that connects to a IoT gateway.
  o Each floor has an IoT gateway that connects to a managed switch.
  o Each floor has a managed switch that connects to one big core network.
  o A registration server where all the small IoT networks connect to.
  o Management of the various IoT networks devices possible.
    ▪ Can be accessed on any device connected to the network.
    ▪ Will vary depending on who is accessing the management page.
  o Each floor has a wide range of IoT end devices.
    ▪ For example: smoke detector, air conditioner, light, etc...

➢ Will be a part of an existing corporate network:
  o Telephone network.
  o User network.
  o Printer network.
  o Wireless network.