Infrastructure Network analysis coverage needs for Cyber Cafe

We will analyse the needs of the business Cyber Café which is a company for gaming, internet entertainment and spending time relaxing having fun but also could be used as place of doing remote work in a closed space environment with a sound proofing business room.

The business space consists of a large area of different rooms for specific activities and work place.

Such as covered outside sitting area with a capacity of 8 people in which they can use the 2 large TVs for entertainment or connect wirelessly on the free access point network using their mobile devices, tablets, laptops.

Moving inside the Cyber Café we have a Business Room for those who would like to sit and do some work while relaxing undisturbed enjoying their coffee with sound proof walls. It consists of 3 Tablets located on the entry of the room already connected to the wireless network.

Inside the business room there are 4 laptops already connected to the wireless network ready to be used. Users of course could also bring their own laptops or any device with wireless potential and use the business room.

Moving along inside the Cyber Café there is a special gaming room, which consists of 2 Play stations 5, 2 large smart Tv's which have internet access to play online games and also the room has wireless coverage access for any device.

The Cyber Café also has another room which includes 12 gaming Pc stations fully equipped to accept 12 users which they can do gaming, surf the internet or any other topic of their choice that includes the internet.

There is also a bar that has its own large smart Television, for clients who just want to have a drink or eat something while again having internet access. There is a Cash Register with Windows 11 interface OS that is connected to the infrastructure of the network for transactions.

There is a also a network admin for all the devices of the Cyber Café which is responsible for anything that happens during the working hours, of course he has his own Gaming Pc that can handle all the weight of the users and different machines used and supported in the Cyber Café space.

Including there is also a server room which keeps all the information and communication needed so the network can work.

All these are supported by a Cisco Router and a D-Link Gs5 switch.

Infrastructure Network analysis coverage needs for Cyber Cafe