

Intermediate Home Networking & Connectivity

Suitability - This programme is suitable for participants with a high-level understanding of Data Cabling, Audio Visual equipment Installation and signal distribution techniques in single dwelling properties. It is assumed that participants have practical experience in the installation of terrestrial and satellite antennas, and be comfortable with using a Laptop or computer.

Aims - This programme delivers a more in depth understanding of Data Networks, how to manage equipment within clients dwelling. They will learn about terminology involved with Data Networks and Internet Protocol (IP). Understand set up of Networking routers for adding equipment on to the clients Intranet. How to install and set up a CCTV system (Digital and Analogue). The course will cover enabling remote access to equipment within a client's dwelling.

Objectives - This 2-day programme will enable participants to deliver signal around the home via correctly terminated category cables.

Content

- Health & Safety considerations.
- To Understand Network and IP technology.
- To Understand IP addresses, Binary and Hexadecimal.
- An overview of IPV4 IPV6.
- Practical work on Laptops looking and IP addresses on a network.
- Open Classroom Question and Answers Written on Board.
- Practical set up on Routers of Static and Reserved IP addresses.
- Installation of CCTV cameras and DNR and NVR CCTV recorders.
- An in depth look at setting up remote access of equipment.
- Interconnection of equipment within an Intranet.
- Best practice explained.

Learning Outcomes - At the conclusion of this programme participants will;

- Have an understanding of terminology involved with IP networks.
- Be able to competently find equipment IP addresses.
- Set fixed IP addresses for equipment.
- Understand IP addressing.
- Convert IP into Binary.
- Install CCTV systems.

Learning Style - This programme is classroom based by PowerPoint and contains a mix of practical demonstrations with hands-on learning exercises.

Assessment Method - The assessment for this programme is by means of a multiple choice open book assessment paper with a pass mark of 65%.

Programme Duration -

This programme is run over 2-days

Programme Cost -

Member Rate £330

Non Member Rate £465