

NIELIT GORAKHPUR

Course Name: CCC

Chapter 6: Internet & WWW

Topic: Modes of Connecting Internet (Part 2)

Date: 22-06-2020

Internet & WWW

Modes of Connecting Internet

Identifying and uses of IP, MAC and IMEI of devices

MAC (Media Access Control) address is usually assigned by the manufacturer of a Network Interface Controller (NIC) and it is stored in the hardware. It is 48 bit address written in hexadecimal notation that uniquely identifies the device itself. MAC addresses are also known as hardware addresses or physical addresses.

An example of MAC address is 00:A0:C9:14:C8:29.

IP address identifies a connection to a device in a network and MAC address identifies a device address participating in a network. In other words, IP address identifies the device (device connection) among various devices in the network and MAC address is the address of device to which the data need to be delivered. Also MAC address is assigned by the manufacturer of interface hardware and the IP address is assigned by the network administrator or Internet Service Provider (ISP).

An Internet service provider (ISP) is a company that provides customers with Internet access. Data may be transmitted using several technologies, including dial-up, DSL, cable modem, wireless or dedicated high-speed interconnects.

IMEI (International Mobile Equipment Identity) is a 15 digit code that uniquely identifies mobile phone sets. It can help if mobile device is lost or stolen.

To locate the IMEI number from the device, follow these steps:

1. On mobile screen press* # 0 6 #from keypad
2. Press Call or Send as like making a call
3. The IMEI number will be retrieved and displayed on the screen