

## WiFi Training Program 2025

**Name:** Aswath S

**University:** VIT Vellore

**Reg.No:** 21BEC2188

### Question-5:

**Difference between Bridge mode and Repeater mode**

#### **Bridge Mode vs Repeater Mode**

Both **Bridge Mode** and **Repeater Mode** are used in networking to extend connectivity, but they serve different purposes.

Feature	Bridge Mode	Repeater Mode
<b>Purpose</b>	Connects two separate networks to function as a single network.	Extends the range of an existing Wi-Fi network without creating a new network.
<b>Functionality</b>	Forwards network traffic between two or more networks.	Amplifies and retransmits Wi-Fi signals from an existing network.
<b>IP Addressing</b>	Typically operates with different IP subnets on both sides.	Works within the same subnet as the original network.
<b>Device Connection</b>	Can be wired (Ethernet) or wireless.	Only wireless connection.
<b>Example Use Case</b>	Connecting two separate LANs in a building.	Extending Wi-Fi coverage in a large home or office.