

## **WiFi Training Program 2025**

**Name: Aswath S**

**University: VIT Vellore**

**Reg.No: 21BEC2188**

### **Question-9:**

**What happens on wireless client connected to Lightweight AP in local mode if WLC goes down**

**If WLC Goes Down (Local Mode)**

#### **1. New Clients Cannot Connect**

- **Authentication Fails:** New clients attempting to connect will fail to authenticate because the AP requires the WLC to process authentication requests.
- **No DHCP Handling:** If the WLC is handling DHCP, new clients will not receive IP addresses.

#### **2. Existing Clients (Already Connected)**

- **Traffic Disruption:** Since traffic is tunneled to the WLC, existing clients lose connectivity if the WLC is down.
- **Data Traffic Stops:** All user data traffic will stop if the WLC is responsible for data forwarding.
- **No Roaming Support:** Clients moving from one AP to another will disconnect as roaming decisions are made by the WLC.

#### **3. AP Behaviour**

- **Failsafe Mode:** The AP will periodically attempt to re-establish the CAPWAP connection to the WLC.
- **Discovery Process:** The AP continuously sends discovery messages to find the controller.