**Wi-Fi Maintenance Checklist**

1. Understand the Environment

☐ Gather information about the network setup (e.g., router, access points).

☐ Locate specific areas of concern (e.g., weak signal, disconnections).

2. Basic Connectivity Checks

☐ Check power and cabling (ensure modem, router, access points are powered on).

☐ Inspect physical Ethernet cables for wear or loose connections.

☐ Restart modem, router, and access points.

3. Signal Strength Assessment

☐ Use Wi-Fi analysis tools to check signal strength and interference.

☐ Evaluate Wi-Fi channel usage and adjust if necessary.

☐ Relocate access points for better coverage if signal is weak.

4. Check Device Configuration

☐ Ensure router and access points have the latest firmware updates.

☐ Verify SSID and security settings (WPA2/WPA3).

☐ Review bandwidth settings and frequency allocation (2.4 GHz vs 5 GHz).

5. Network Load Evaluation

☐ Check if too many devices are connected and causing congestion.

☐ Disconnect unnecessary devices or set up QoS for bandwidth prioritization.

6. Advanced Troubleshooting

☐ Perform ping test to check latency and packet loss.

☐ Run internet speed test to check ISP-provided speed consistency.

7. ISP Issues

☐ Contact the Internet Service Provider (ISP) if internal checks do not resolve the issue.

8. Documentation

☐ Document actions taken, equipment used, and any changes made to the network.