Project Title
Complete a Router Installation in a small office

Turjoy Mallick

E-mail: turjoymallick@gmail.com

Mobile: 01848-130962

Introduction:

Brief overview of the importance of a good network setup in a small office. Mention the purpose of the project.

Equipment and Devices

❖ **Router :** The router connects multiple devices to the internet and manages traffic between them, ensuring data is sent to the correct destination.

❖ **ONU (Optical Network Unit):** The ONU converts optical signals to electrical signals and connects to the router, facilitating internet access.

❖ **Cables:** Cables (such as Ethernet cables) transmit data between the router, ONU, and devices within the network

❖ **Connectors:** Connectors (like RJ45 connectors) allow cables to connect to devices such as routers and computers.
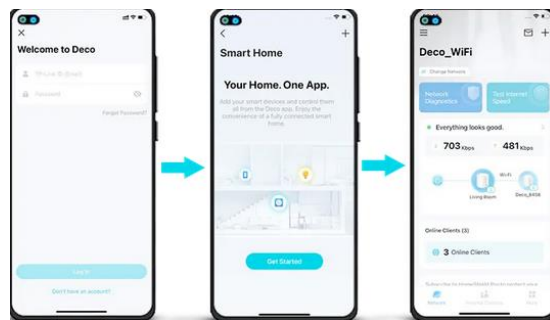

Software

a. **DECO Software and its function:** Deco software is a management application for setting up and controlling the network. It allows users to monitor network performance, manage connected devices, and set parental controls.

b. **Configuration with Deco Software:** Download and install the Deco app from the App Store or Google Play. Open the Deco app and create an account or log in. Follow the on-screen instructions to connect the Deco unit to your modem and power it on. The app will guide you through
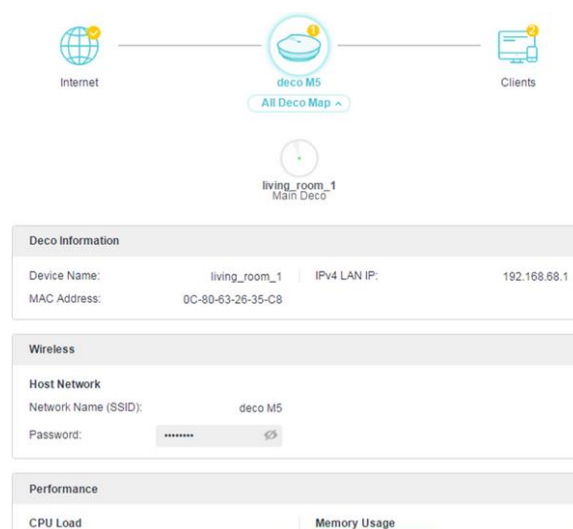
the configuration, including selecting your internet connection type.

c. User and Password: Default Login Credentials-

Username: Admin

Password: Admin123 (these should be changed during
the setup for security).

Installation Process

a. Step-by-Step Installation

1. **Connect the ONU:** Plug the ONU into a power source and connect it to the internet source (fiber optic cable).

2. **Connect the Router:** Connect the router to the ONU using an Ethernet cable. Use the WAN port on the router.

3. **Power Up Devices:** Turn on the ONU and router. Wait for them to boot up completely.

4. **Configure with Deco:** Use the Deco app to complete the configuration, following the steps outlined above.

5. **Final Checks:** Ensure all devices are connected and the internet is operational.

Conclusion

The installation of a router in a small office can greatly enhance network connectivity and efficiency. Following the above steps ensures a smooth setup process.