

Abstract— This research presents the concept of Coin WiFi, which combines the convenience of wireless connectivity with the functionality of coin-operated systems. Coin WiFi operates as a WiFi hotspot, utilizing radio waves to enable fast and secure data transmission. Similar to inserting a coin into a public telephone to activate its usage, Coin WiFi machines can be connected to various internet service providers. The design of Coin WiFi focuses on user-friendliness, ensuring that even non-technical individuals can easily operate it. This ease of use is achieved through the integration of a NodeMCU microcontroller, which is embedded within the Coin WiFi machine. The practicality and accessibility of Coin WiFi make it a suitable solution for providing wireless internet access to a wide range of users.