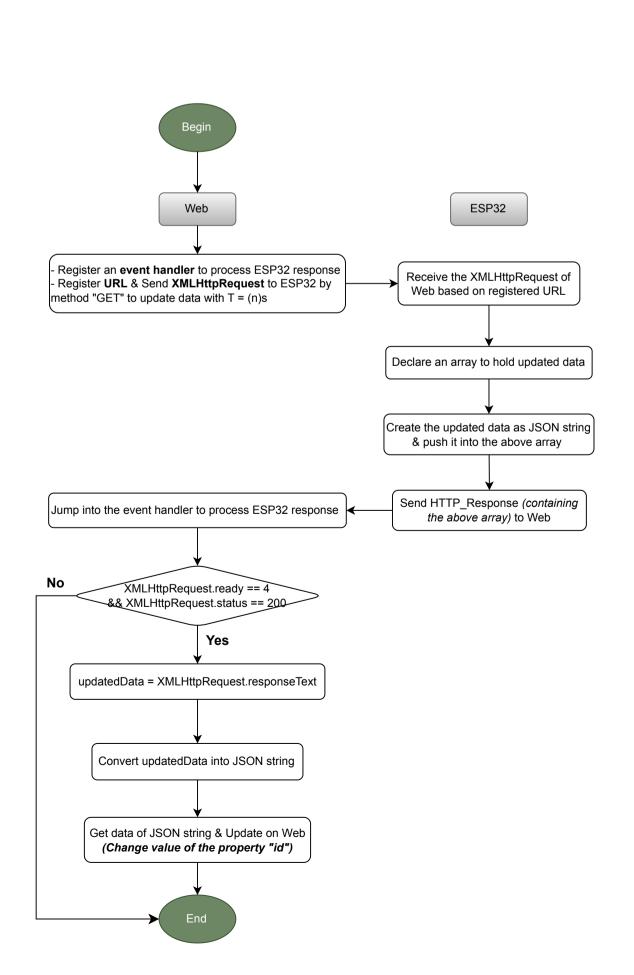


Sơ đồ thuật toán ESP32 xử lý bản tin nhận được từ ZC



HTTP_webInterface_e webInterface = HTTP_LoginInterface Access into the interface "Login" using IP address Login username & pasword Register username & password ESP32 Web Web ESP32 Catch click event when logging in --> Get username & Catch click event when registering in --> Get username & Receives the XMLHttpRequest of Receives the XMLHttpRequest of pasword value --> Register URL & Send XMLHttpRequest pasword value --> Register URL & Send XMLHttpRequest Web based on registered URL Web based on registered URL (containing this value) to ESP32 using method "POST" (containing this value) to ESP32 using method "POST" char loggedInAccount[20] char registeredAccount[20] Get account information & Gets account information & push it into registeredAccount push it into loggedInAccount Save value of array "registeredAccount" Get saved account in NVM flash into NVS Flash to login strcmp(logAccount, regAccount) == webInterface = HTTP_ControlInterface Send HTTP_Response to Web No

ESP32

Receive the XMLHttpRequest of

Web based on registered URL

Create UART frame & transmit this frame for ZC (UART frame contains command, networkId & endpoint of control device)

Send HTTP_Response to Web

Sơ đồ thuật toán Web truyền lệnh điều khiển

Catch click event on Web interface

Register URL & Send XMLHttpRequest to ESP32 using method "POST"

Sơ đồ thuật toán đăng ký, đăng nhập tài khoản

Access the interface "Control"