Abstract

This project aims to design a smart home specifically adapted to the humid weather characteristics of Macau, ensuring the protection of citizens' household equipment and property. The smart home has the function of autonomous equipment adjustment; the system will read real-time weather data from Macau. When encountering humid, rainy, or typhoon conditions, the smart home will automatically adjust household equipment such as doors, windows, dehumidifiers, or mold-killing devices based on this data, effectively reducing the risk of household damage.