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(57) Abstract :
The present invention discloses an IoT-based device for smart agricultural greenhouse control comprising sensors (101) for temperature, humidity, soil moisture, and light intensity; a microcontroller (102) for data processing; IoT module (103) for connectivity; actuators (104) for environmental regulation; and cloud server (105) with mobile interface (106) for real-time monitoring and control. The system ensures automatic environmental management, data analytics, and remote supervision, enhancing crop productivity and resource efficiency.

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