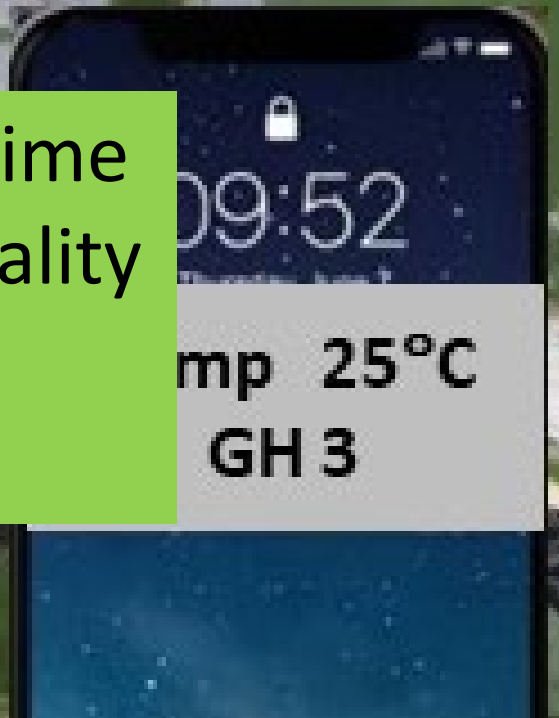
Smart Greenhouse Technology Used in Local Crop Production

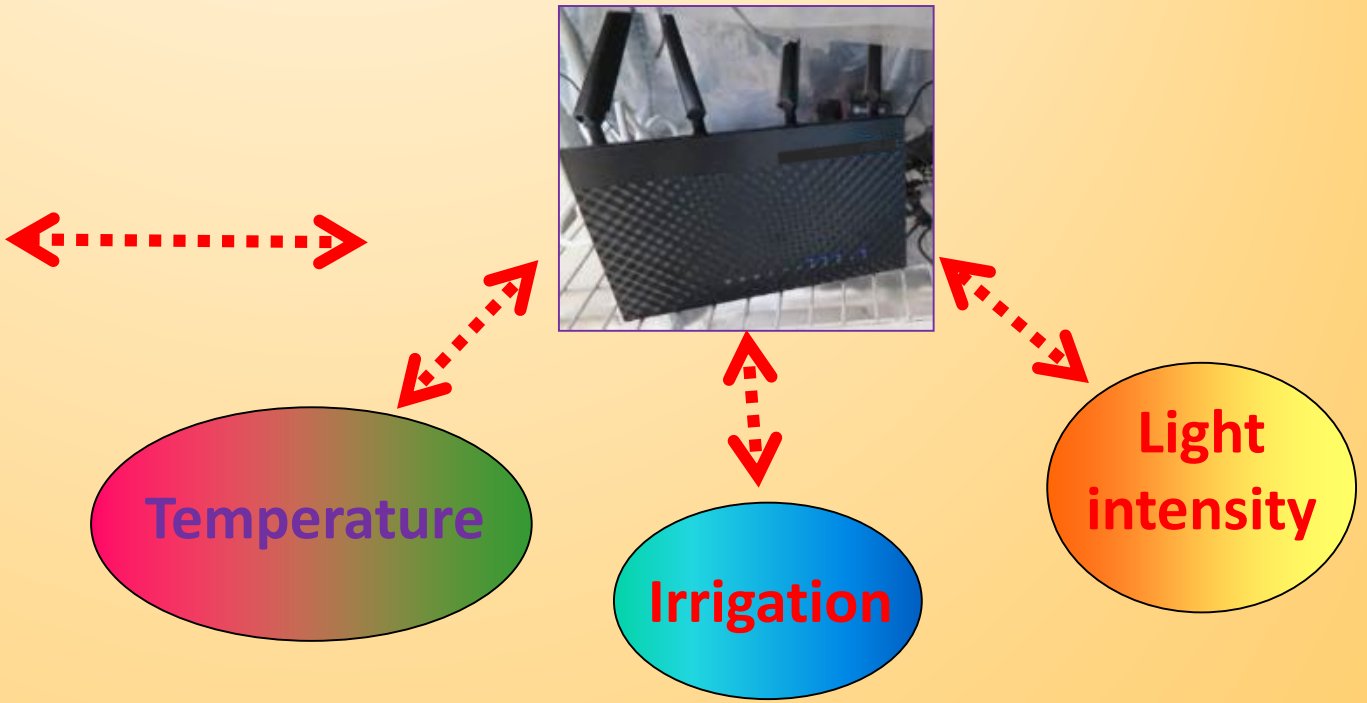
- Local farms producing premium crops such as orchids and cherry tomatoes have used advanced greenhouse technology to regulate air temperature, humidity and light intensity.

- The technology helps save working time and manpower, and enhance the quality and efficiency of greenhouse crop production.



Smart control of cultivation environment

Using smart phone and router



To receive information from sensors in the greenhouse, adjust the temperature, light intensity and irrigation by remote control

Smart control of temperature and light intensity

Light and temperature sensors

Effect changes in temperature and light intensity inside greenhouse

Ventilating fans

Electrical shading net

Roof top sprinklers for lowering temperature

Computer

Temperature and light intensity data on smart phone

Wifi-switch

On / off

Smart irrigation

Remote control / schedule-setting of irrigation based on soil moisture

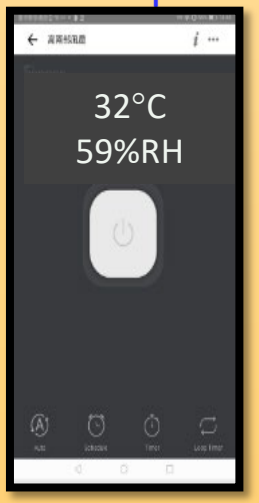
Soil moisture sensors

Irrigate the crops

Electrical water valve

Computer

Data of humidity and temperature on smart phone



On / off

Water valve controller

Thank you