Smart irrigation system

Create a network that will check the moisture levels in a garden and when the moisture level is low, it will activate a water pump and when it reaches a reasonable moisture level, the gate used to control the water will close.

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| Diagram  Sensor on Raspberry Pi/Arduino  Single channel relay  Water pump  Water pipe  Wireless Router  Raspberry Pi/Arduino  Raspberry Pi/Arduino  Raspberry Pi/Arduino  Raspberry Pi/Arduino | Components of this network   * Raspberry Pi’s/Arduino’s that use sensors. * Water pump * Water pipe * Single channel relay that powers up water pump when powered high. * Wireless router to connect to Raspberry Pi’s/Arduino. |