Introduction:

In this project, we aim to develop a Scalable and Distributed IoT Framework for Hydroponic Greenhouse in order to increase hydroponic production with following requirements: low cost, scalability, distributed, high performance and practical using. This 3-layers framework (data collect and control, management and data analysis) consists of following components: i) End-to-end IoT-based Infrastructure, integrated with a Mobile Robot (optional). ii) Transparent management component. iii) Cloud, Fog Computing and APIs. iv) Data Analysis.

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