

Building an automatic feeding system based on quantitative and real-time time application in freshwater fish farming.

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Abstract: In the rapidly developing context of IoT technology, building an automatic feeding system for aquaculture is becoming increasingly necessary. This project aims to solve the problem of distributing feed reasonably and accurately, thereby optimizing the freshwater fish farming process. Through a combination of theoretical research and experimentation, the project applies sensor and computer technologies to create an automatic system capable of adjusting the amount of feed based on the needs of the fish at each stage of development. The expected result is a cost-effective and highly efficient solution for the aquaculture industry, while also contributing to environmental protection by reducing excess feed waste discharged into ponds.

Keywords: Freshwater fish farming, automatic feeding system, IoT technology, sensors, computer