

Automatic Demand Fish Feeder

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Abstract: *Humans have kept fish for thousands of years for commercial, research, and aesthetic purposes. These fishes are kept in aquariums, ponds, and other containments and require regular feeding and care. Traditional feeding techniques involve manually dispensing the food at regular intervals, they must also be able to control all kinds of factors such as feeding, air pumps, light, and the pH value of water, which may affect the fish. Overall, it's a labor-intensive process. This research aims to develop a simple prototype automatic fish feeder. The product is designed to simplify the process of feeding fish in aquariums or fish farms. The feeder is equipped with obstacle avoidance technology, allowing it to move around the aquarium and ensure equal feeding for all fish. Additionally, the feeder includes a pH sensor, constantly monitoring the water quality in the aquarium to ensure a healthy environment for the fish. This technology not only simplifies the feeding process but also helps to maintain the well-being of aquatic life..*

Keywords: Quantitative Insights, Mathematics and Physics, College Education

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