

AUTOMATIC FISH FEEDER SYSTEM

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Description: In order to solve the problem associated with manual feeding in aqua culture, an automated fish feeder was designed, fabricated and tested that automatically feed the fishes at a predetermined time.

Detail Description: An automatic fish feeder is a device that automatically feed the fish at a predetermined time. In a way, it is to control the fish feeding activity by using a fish feeder that combined the mechanical system and electrical system to form a device instead of manually feeding the fish by hand. At the same time, the environment needs to be monitored. The device consists of a motor, stand, fish storage, PLC (Programmable Logic Circuit) and a GSM (Global System for Mobile). The device feeds the fish by dropping the feed from the storage through a hole. The size of the hole is controlled by a piece of block connected to a motor. A timer is used to control the frequency of feeding. Plus, there is a feedback system that sense the level of feed left in storage. With this, the user or the owner can be away from home with the device monitoring the aquarium condition.