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FINAL REPORT OF DIPLOMA PROJECT

AUTOMATIC FISH FEEDER

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“I declare that this report entitled “ *Automatic Fish Feeder* ” is the result of my own group research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in the candidature of any other degree.”

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## ABSTRACT

This automatic fish feeder project is developed to help the process of feeding farm fish in pond, river and lake. This Arduino based project is programmed to control the main operation which includes the LDR sensor to detect the level of the pellet in the container. In the project, there are mechanical part and automation blocks. The automation blocks component includes a power window motor, limit switch, relays LDR sensor and Arduino as a controller while in the mechanical part includes the mechanical structures to move the plate. This project is expected to be able to feed the fish at a certain time according to the coding that have been set into the Arduino. When operated, the pellets is distributed the target area at a certain distance, depends on the length of the plate moves left and right repeatedly at a constant speed in a certain amount of time.

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