

WATER GATE FOR WATER LEVEL CONTROL

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ABSTRACT

The title for my project is Water gate for water level control. The watergate which can control water level. Water gate is use to defend water and avoid water to flow. In my project, I will modify a two different high of water level and a water level control system. Water will defend by water gate in between the high level and the low level area to separate both level to make a lifting space and all is connected to the water level control system. By the time water will flow into the water level control system, in water level control system there are two watergate which is used to control water level. Water gate will connect to a gear and the gear will connect to a motor. Although the professional water gate is very big, if need to produce it, it will cause a lot money and need a very big machine which is I cannot afford to pay for those material so I decide to use the low cost material to complete it.

For my project the water gate and the motor to move the gate are very important things because these two materials are the main thing for my project and I must consider the size and the power. The water gate will be pulled and pushed by the motor and the motor will running by using three AA battery. The motor in the market which easily to get and cheap is quite small so the size for the gate must be consider. This project will demonstrate the feasibility studies by applying mechanical engineering concept and electrical technology. The designing process involved necessary theory and calculation for pressure of water and the power for the machine, materials selection and fabrication of the prototype. Finally test should be conducted to verify the cost and efficiency of the prototype.