

UNIVERSITI TEKNOLOGI MARA

FINAL YEAR PROJECT 2

FINAL REPORT

TITLE : SMART BATHTUB

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ABSTRACT

This project is about designing a smart bathtub. The bathtub is equipped with water level detection function where the water flow will turn off automatically when it reached specific level. The bathtub also come with Bluetooth communication and control function. Arduino and Bluetooth module will be used as the microcontroller of the circuit. It is expected that a prototype of smart bathtub will be constructed with all mention features. Objective were design a smart bathtub that is equipped with water level detection and construct a bathtub that can be controlled and communicate by using Bluetooth. There were flowchart of the project, coding for the Arduino and list of components used. The flowchart show the sequence of project from the start until the end of the program.

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