

ABSTRACT

Title : **Automatic Clothesline with Rain and Temperature sensor**

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Clotheslines are used to hang wet clothes for it to be dried by exposing it to the sunlight. People need to prevent the clothes from the rain because sometimes people can not notice the rain is already pouring so the tendency, the clothes become wet again.

The researcher developed a microcontroller based Automatic Clothesline designed for clothes that are needed to be hanged and be dried through the use of sunlight. The prototype is consist of the clothesline itself having a pulley attached to the clothesline, a water sensor that will sense the rain, a temperature sensor that will sense the heat of the sun, a gear on both ends operated by a DC motor, which is used in moving the clothes back and fort, and a microcontroller unit that controls the whole system operations.