

Beautiful Fountain

Background

Mr. Clay is an entrepreneur. He has a restaurant but lack of buyer. After had a long thought, he found a brilliant idea. The idea is to make a beautiful fountain. He wants Workshop HME ITB to make a fountain with extra LED behind that. But there is specifications in it....

Specification*

- a. Make a fountain prototype in a board (size 257.5 x 182 mm).
- b. In that board install 15 LEDs which configuration is 5x3.
- c. Microcontroller use for control that LED.
- d. The microcontroller is connected to PC using Serial Communication (but not using Serial Communication in Arduino IDE).
- e. The LEDs can show a letter which type in the PC's platform (ex : Realterm).

Challenge**

- a. Can make an application of smartphone so that LEDs can control in it.
- b. When there is no input, the LEDs can make beautiful patterns (at least 4 pattern).

*Each point of specifications act as mini deadlines.

**Challenges give a bonus point.

Interested in that project or have a question ?

Feel free to contact me : qurrata.choir.marham (line)