ELECTROLUTION

Event Description

Think you can be the necromancer in the world of circuits and codes?

Pragyan in association with Spider welcomes you to participate in your first competitive circuital event you will face in our college.

Participate and prove yourself to be the mocking jay of your hostel!!!

Rules

*Form yourself a team of maximum 3 people from the same hostel.

*There will be two sets of problem statements.

*The First set will consist of only one task. The participants will have to work on the statement and show the output on the day of the event.

*Depending on the accuracy of the output obtained, points will be given.

(Max: 50 points)

*The Second set will consist of 4 tasks and it will be released 1 day before the event.

 Very Easy - 10points

 Easy-20 points

Medium-30 points

Difficult-40 points

Problem Statement

Task 1:

The capabilities of your microcontroller are endless. You wanna talk to it, you make it talk. You wanna make it sing, it sings. Under the right master, it serves as an able slave.

So,now........

Your first task will be to command your microcontroller to **determine the resistance of a given resistor.**

Use the necessary components and build a circuit using your MCU to determine the resistance and print the value in the serial monitor.

Points distribution:

Algorithm - 10

Circuit - 5

Code-10

Accuracy - 25

The accuracy of your prototype will be tested with various values of resistors in the range between **330 ohms and 10000 ohms** on the day of the event.

P.S - Usage of a non-main stream algorithm would fetch you easy points :P .

Contacts

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