ARDUINO HACKATHON

Introduction

Arduino Hackathon is a competition that tests your problem solving and coding skills using knowledge of Arduino in TinkerCAD.

Description

You will be provided with a real-life problem. You are required to design and simulate a circuit with Arduino as a part of it in Tinkercad to solve the problem statement and submit it in the least time.

Rules

There will be 2 rounds. Participants will have to create and simulate an Arduino circuit in Tinkercad that could solve the given problem within the time limit. Marks will be awarded based on the extent of solving the problem statement and the time taken to create and submit the circuit. Marks obtained for both rounds will be totalled at the end.

Qualifier::

→ Maximum time limit: 60 minutes

→ Maximum points 40

Finals::

→ Maximum time limit: 90 minutes

→ Maximum points 60

Judging Criteria and Marking Scheme

Based on the time taken and the extent to which the solution was achieved

As problem statement will be relatively easy to solve so the time taken will be the major factor for judging.

Submission Format

1) A short video (max. 30 seconds) of the simulation of the circuit designed must be made. (Video should be recorded by any screen recording software and not by the mobile camera)

2) Screenshot of the circuit. (image in any format)

3) Upload the code as a text (.txt) file.

4) Share the link of the Tinkercad file in a text (.txt) file.
   For the TinkerCAD link, you may refer to
   " https://www.youtube.com/watch?v=LiRCd59iJtw "
   Remember not to share your TinkerCAD file link with others as the circuit can be modified by anyone with the link and we won't we responsible if the screenshot of the circuit doesn't match with the circuit.

Zip above 4 files, name zip file as "YourFullName_ParticipationNumber"

Send the Zip file via Google form provided at the start of the competition

Contact

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