SOLDERING TOURNAMENT

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**Purpose / Benefits**

1. Soldering as a Creative activity
2. Compete skills of soldering about accuracy and speed

- Participants
  - Beginners
  - Practiced / experts
- Audiences
  - Improving interests to electronics
  - Promoting interaction among young researchers, high school students and college students

**Financial cost**

- Equipment for soldering
  - Substrates
  - Circuit elements
  - Solder
- Audio equipment
  - Listening to music to judge the winner

**Originality / Uniqueness of the event**

For not only experts
- Practiced / experts
  - Competing the skills of electronic tools (soldering iron, circuit tester, radio pliers, nippers, tweezers, etc.)
  - Teaching beginners soldering
- Beginners / Audiences
  - Learning soldering from experts
  - Being interested in electronics
  - Learning the construction of electronic circuits

Everyone interacts through Electronics!!

**Detailed description of the event**

**Organizers**

- Preparing
  - Circuit diagrams (operational amplifier)
  - Equipment for soldering
    - Substrates
    - Circuit elements
  - Stop watches
    - To measure the time
- Recording the operating time

**Participants**

- Soldering the circuit elements
  - According to the circuit diagram

**Audience / Judge**

- Connecting soldered operational amplifier to the prepared audio equipment
- Listening to the sound / music

Determine the winner!!

From these points
- Time
- Accuracy
- Precision

Let’s make operational amplifier

Let’s fight