

APOCALYPSE

In the year 2020, On a fine Sunday morning you are going for a picnic with your family when you see an Asteroid falling through and being a Geologist you know that it will be followed by a massive Tsunami which will destroy the whole city in no time. Now you need to drive to the only mountain located at the other end of the city, tackling sharp turns before the

WAVE HIT YOU

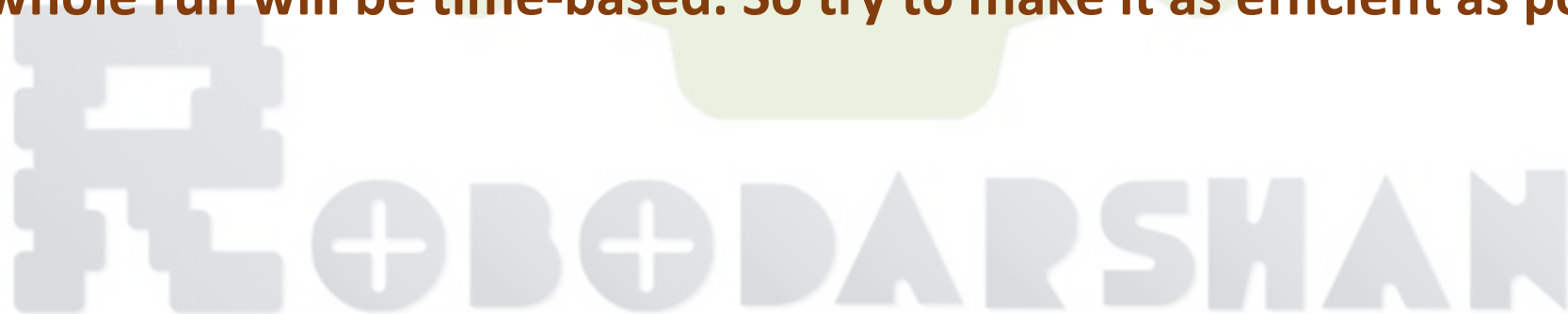
Problem Statement

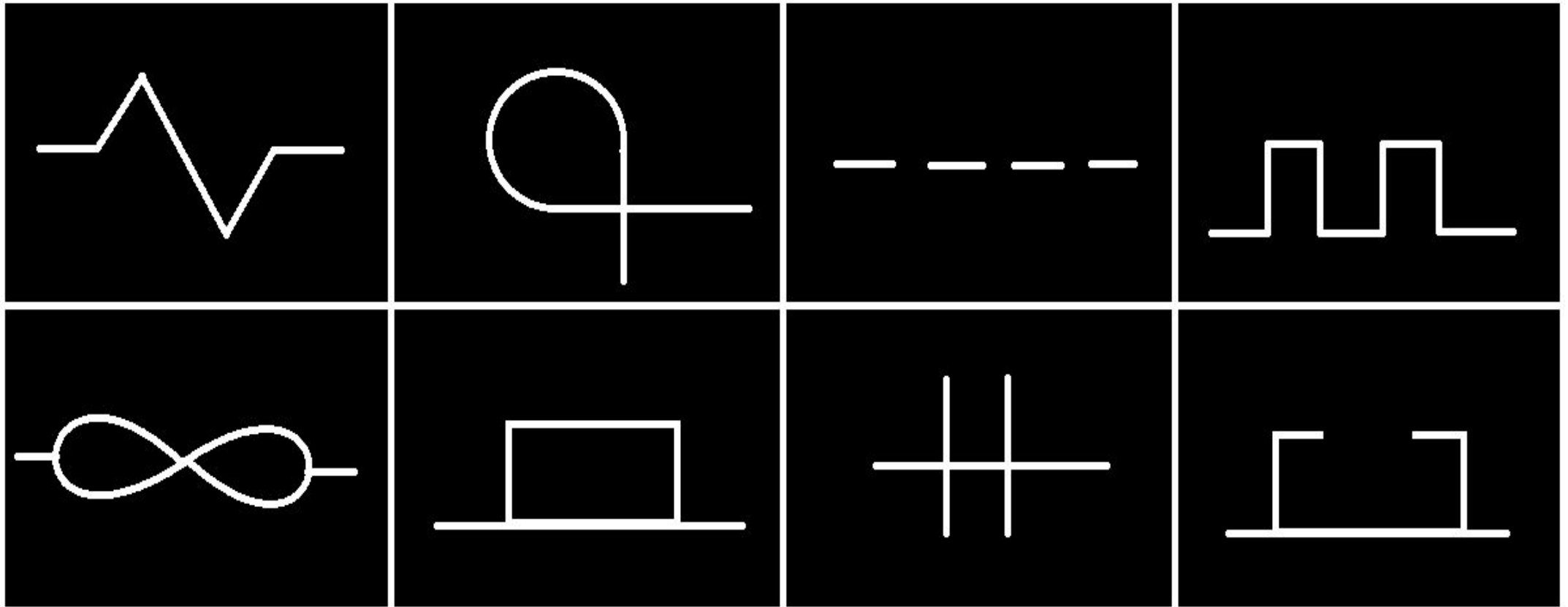
You have to build an **AUTONOMOUS BOT** capable of traversing the arena. The event is divided into two rounds and the whole arena is based on line following. The first round is specifically time based where the Bot is required to follow the line and reach checkpoints within stipulated time. The second round is Face-off round, where two teams compete to transverse the given path as soon as possible in accordance to specified rules.



Your Bot has to :

- 1. Start on a line following arena with white line on black background.**
- 2. The start of the run will be initiated by a single LED.**
- 3. As the Bot traverses the arena and reaches the checkpoints denoted by specific markings, corresponding LEDs at each checkpoint will keep glowing at a predefined time rate.**
- 4. If the Bot in any case deviates from the original path or faces any discrepancy that may require a hand touch, the Team has to place the Bot at the last crossed checkpoint or may opt for a skip to the next checkpoint in which case scoring will be affected.**
- 5. If the Bot is able to reach a desired checkpoint before the corresponding LED blinks, then the Team will receive Bonus points for the same.**
- 6. The whole run will be time-based. So try to make it as efficient as possible.**





***The various parts of the arena to be traversed are analogous to the above shown patterns**

General Rules

- 1) The participating teams can have maximum of four members.**
- 2) Lego kits are not allowed.**
- 3) No same person can be in two/more teams of same event.**
- 4) Bots larger the specified size may be disqualified.**
- 5) Any Damage to the Arena will lead to disqualification of the team.**
- 6) All decisions of Team Robodarshan will be final.**
- 7) The participants will be provided with 220 Volts, 50 Hz standard AC supply.
Participants will have to themselves arrange for any other power supply required for their robot.**
- 8) Robodarshan volunteers will assist participants in managing the wires.**
- 9) Time and scoring details will be notified later.**

Measurement

Dimensions:

- **Bot:** not more than 25cm x 25cm x 20cm (L * B * H).
- **Width of Line:** 3cm



Contact Details

Pragyesh Bajpai : 9874791542

Pratik Basu : 9614121924

Sobhan Mondal : 7551894950

Partha Sarathi Sarkar : 7872424789



THE STORM IS COMING

