

Warriors Rampage

INTRODUCTION

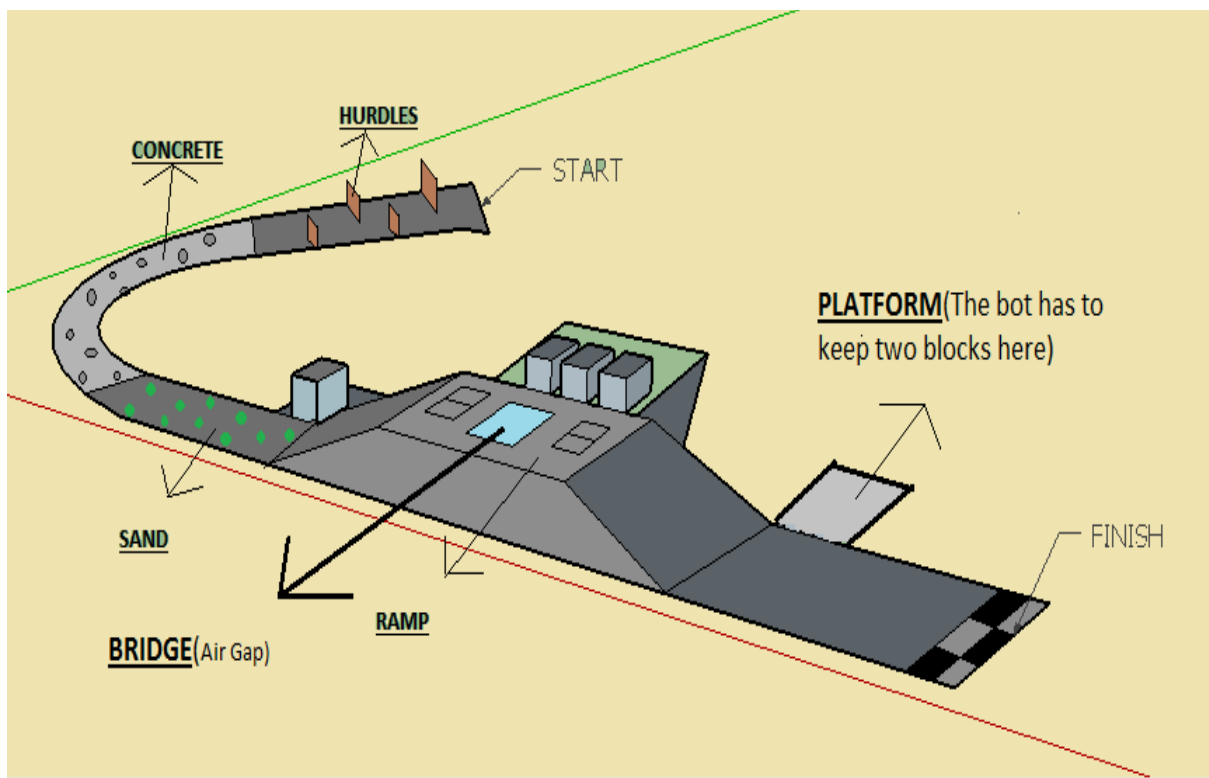
Warrior is one who shields his kingdom from anything. He should fight with other warriors to protect his kingdom. Other warriors are also trying to invade your kingdom.

“SAVE YOUR KINGDOM BY MAKING YOUR ROBOT WHICH STAND AGAINST THEM AND DEFEAT THEM.”

PROBLEM STATEMENT-:

Design a wired /wireless robot which can go through different hurdles and should reach the battle arena where it should fight with other warriors.

ARENA-:



The breadth of the tracks well as that of ramp is 35 cm. The blocks present on the ramp is of dimensions $8*8*8 \text{ cm}^3$. The block used for completing the path present at the start of the ramp is $15*8*8 \text{ cm}^3$.

There will be five phases in the whole track.

- In the first phase you should cross the path carefully without touching the walls or hurdles.
- In the second phase there will be concrete.
- In the third phase there will be sand.
- In the fourth phase, the bot has to cross an elevated bridge by completing the path of the bridge using the block at the start of the ramp.
- In the fifth phase, a gate will be present which will be opened when three blocks are placed in the box present there.

ROUND 1-:

- Single team will play in the arena at a time.
- Team has to start from first phase.
- Top 6 teams scoring highest would head to finals.
- A bot can touch arena 3 times else disqualified.

POINTS- (300-T)-(20*H)-(30*R)-(10*A)

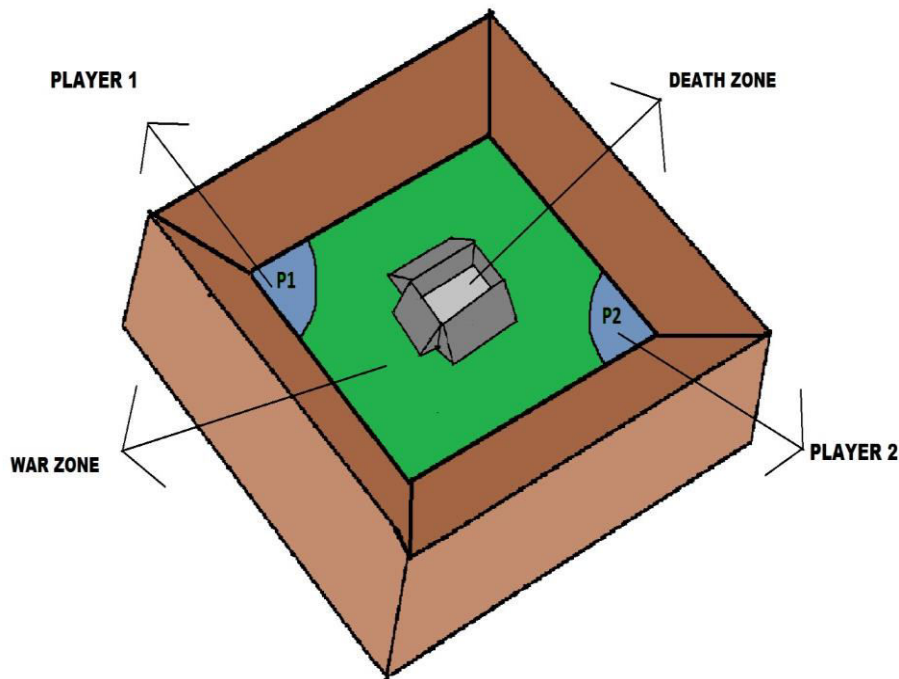
T -time taken to cross the whole track(sec).

H -number of hand touches.

R -Number of times restarted.

A -Number of times bot touched the arena.

ROUND 2:



NOW ROBOWAR STARTS!!

The platform will be an elevated one with a gap in the centre .

The bots has to fight with each other and one of them should be dropped in the death zone or outside of the war zone. The one which throws in the minimum time will be the winner. The maximum time to defeat is only 3 minutes.

Dragging, pushing, hitting, hammering using bot is allowed.

"EVERYTHING IS FAIR IN LOVE AND WAR".

ROBOT SPECIFICATIONS-:

- Bot should fit in a box of $(25*25*25)\text{cm}^3$ with a tolerance of 10%. However it can expand during game play for defence or offense.
- No readymade kit is allowed.
- ***Modifications can be done to the bot on your concern for the final round.***

TECHNICAL DETAILS-:

- **Team members will not be allowed to touch any part of arena, only organizer are allowed to handle the arena in any situation, the team will be disqualified whose member found touching arena.**
- **Teas will not be allowed to change bot's mechanism and parts once the game started.**
- **Participants are not allowed to keep anything inside arena other than the bot.**
- **The time measured by organizers will be final and will be used for scoring. Time measured by participants is not acceptable for scoring.**
- **Organizing team will not be responsible for any kind of damage to your bot.**
- **Organizers decision will be final and binding in case of any dispute.**
- **Organizers reserve the right to change any of the above rules they deem to be fit.**
- **The participants will be provided with 220 Volts, 50 hertz standard AC supply. Participants will have to**

themselves arrange for any other power supply required for their robot.

- There may be slight variation in dimension of the arena and the number of blocks is liable to change.
- The participants have to grab the blocks present one at a time. They can either use hook(s) in their bots or other gripping mechanism

TEAM RULES-:

- This event is restricted to students currently studying in any recognized Educational institute.
- A maximum of four participants are allowed per team.
- Students from different colleges can be a part of same team.

- **An individual cannot be part of more than one team.**
- **Participants must bring the valid identity card of their institute.**
- **There is no restriction to the number of teams participating from same educational institute.**

CONTACT

EVENT CO-ORDINATOR

MANISH KUMAR

Mob no-7209288408

Mail id: manish.raman24@gmail.com

CO CO-ORDINATORS:

SUDHANSHU SINGH: 8969459232

RAVI TEJA G: 8341524408