GTU TECHFEST 2017

Gujarat Technological University,
Established Under Gujarat Act No.: 20 of 2007

Website: techfest.gtu.ac.in
Email: gtutechfest@gtu.edu.in

Venue:
L.D. College Of Engineering,
Near Gujarat University,
Ahmedabad - 380015,
Gujarat.

BATTLE OF BOTS

"The question of whether a computer can think is no more interesting than the question of whether a submarine can swim."

Abstract:

"Hi there, I decided not to wake you up because you were up binge watching Westworld and today's Sunday anyways**"** says Alexa as you turn off alarm two hours past your normal waking time.

"Rahul is calling, I know you don't like him very much, would you want to talk him or send the message to voicemail?**"** says Alexa when your annoying friend calls. How does she know that? Because you talk to her late night like she's your best friend, she listens, remembers and responds.

Artificial intelligence is amazing, mystifying, daunting and breathtaking all at the same time. While we are miles away from achieving true artificial intelligence, or even what is mentioned before, we have mastered the basic things such as tasks, games and visual differentiation. It is these basics that you will code throughout the rounds.

Code simple game based on problem statement and algorithm, make your own boat that can flawlessly achieve the task given in the problem statement. This might become your first step towards coding the Intelligence.

Problem Statement:

To make a bot that can compete in a complicated game against the bots of the enemies and win.

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Skills Required:

- Logical Reasoning
- Problem Solving
- Algorithms and Data Structure knowledge
- C / C++

Rules:

- Minor changes on rules are possible on the day of the event depending on various factors.
- Contestants cannot bring any notes or textbooks to the contest room. Blank sheets of paper and pencils will be supplied.
- Use of internet is not permitted.
- The decision of event managers cannot be challenged.
- Strict discipline should be maintained during the event.
- Violation of any rule will be followed by instant disqualification.

Judging Criteria:

- The bots will be competing against each other in a Knock-out based tournament system. The bot to defeat all other bots will emerge victorious.
- In case of a tie, the time taken by each participant to build the bot will be taken into consideration.
- The decision of the organizers in declaring the results will be final. No queries in this regard will be entertained.
- Any participant found to be indulging in any form of malpractice will be immediately disqualified without prior notification.

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- Participants and the ones securing Top 3 position along with complying with all rules and regulation will be awarded with GTU Techfest 2017 Participation Certificate and Winner Certificate respectively.

Team size: 1 Person

Registration Fees: Rs. 50

Event Manager Contact:

Vishweshkumar Patel

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