DEX-BOT

Arduino challenge

- **Preliminary round** : MCQ (Basics of Arduino)
- **Round 1**: In this round, you'll be given a problem statement to which you need to write the code, make the connections and show the output.
If you clear this round, you'll move on to the next round. (Components will be provided for this round and should be returned back)
- **Round 2**: You'll be given a topic (real time problem) as soon as you crack round 1. The real time problem will be explained clearly. You'll have to come up with a solution to the real time problem. You can solve it in any possible way. Creative approach will be appreciated. For example, if Automated parking system is your topic, you'll have to display if the parking lot is occupied or not. You can use any sensors to sense the vehicle. May be try this out ;)

IMPORTANT NOTE:

1. Maximum 2 members in a team.
2. Preliminary and round 1 will be held on February 2 and round 2 will be on February 3. (Topic for round 2 will be given on February 2 as soon as the result is announced. You have one day to prepare for round 2)
3. Components for round 1 will be provided (including pin diagram of ICs and additional header file etc.) but components for round 2 WILL NOT BE PROVIDED.
4. For round 2, required header files, pin diagrams of ICs and the entire necessary files should be brought in your pen drive (Your pen drive should not contain any part of your code). You will not be allowed to use internet during the competition. All the connections and coding should be done from the scratch.
5. Timings: Only 20 minutes will be given for MCQ test. You can attend MCQ test anytime between 9:30A.M to 12:30P.M. Participants those have been selected will be informed before 1P.M. For round 1, you'll be

given 45 minutes to complete the task. You can attend round 1 anytime between 1P.M to 3P.M. Those who clear round 1 will be given instruction about the topic and timings for round 2.

6. Teams will be disqualified in case of violation of any rules.
7. In case of a tie breaker or at the end of any round, judge's decision would be final.

-Team MITRA

ALL THE BEST