

ROUND 3: AUTOMATED MONITORING SYSTEM AT EXHIBITION.

PROBLEM STATEMENT:

You need to monitor number of persons entering and leaving the auditorium. You must maintain the air circulation and the temperature between 24 to 30 degrees Celsius, irrespective of the number of visitors in the auditorium. This exhibition has different sections but unfortunately, they don't have any boards mentioning the sections. Place an interactive LCD monitor that'd help the visitors to identify the different sections in the auditorium. Automatic opening and closing of door to the restroom should be installed and an automatic faucet in the restroom to save extensive use of water.

Note:

1. Air circulation should be based on the number of visitors inside the auditorium.
2. Certain assumptions can be made. Lesser the assumptions you make higher the marks you gain.
3. Any variant of Arduino can be used, but other controllers should not be used.
4. You can use any sensor.
5. Bonus marks will be awarded if any new idea to automate any other problem faced in the exhibition is implemented in your project.
6. You can approach the problem in anyway. Innovative and creative approach will be appreciated.
7. The Finalist should complete all the given tasks.

*****ALL THE BEST*****

-Team MITRA