

Hydrophilic 2.0

Theme:

Water pollution

Now a day's majority of people are suffering from water pollution problem in villages because they didn't have proper purification system due to the lack of knowledge and poverty to overcome this problem they can use some easily available materials to purify water.

Problem Statement:

The main aim of this event is to find out how we can use the basic day to day life materials to purify water. Before the technological revolution people are totally dependent on raw materials available around them for different purification techniques. Now, let's see if we can do the same.

The competition will consist of 2 rounds –

ROUND 1: Quiz

In this round Quiz will be conducted based on the basic science Questions.

Rules:

- Elimination will be done on the basis of time and score.
- Only 20 teams will be promoted to the Final Round.
- Use of cellphone is strictly prohibited.
- In case of any disputes / discrepancies, the organizers' decision will be final and binding.
- The organizers reserve the rights to change any or all of the above rules as they deem fit. Change in rules, if any will be highlighted on the website.

Judging Criteria:

Participants will be judged on the basis of time and score.

Team Specifications:

A team may consist of a maximum of 2 participants. Students from different educational institutes can form a team.

Eligibility:

All students with a valid identity card of respective educational institutes are eligible to participate.

ROUND 2: Water Purification System Designing

In this round we will be providing you the raw materials some of which will work as a purifier while, others will pollute it. Teams will have to use a certain number of raw materials for making their purification unit in a limited period of time. Water samples of every team will be tested by the Jury Members (Faculty of Biotechnology). The top 4 teams will have to explain the working mechanism of their water purification unit. The team which will explain the whole mechanism of its purification unit properly will be the winner.

Rules:

- Only limited number of raw materials can be used as per instructions.
- Use of cell phone is strictly prohibited.
- Only 20 minutes will be given to each team to make water purification unit.
- In case of any disputes / discrepancies, the organizers' decision will be final and binding.
- The organizers reserve the rights to change any or all of the above rules as they deem fit. Change in rules, if any will be highlighted on the website.

Judging Criteria:

Participants will be judged on the basis of:

- Ph. Test
- TDS Test
- Odour Test
- Explanation

Team Specifications:

A team may consist of a maximum of 2 participants. Students from different educational institutes can form a team.

Eligibility:

All students with a valid identity card of respective educational institutes are eligible to participate.