

Chem-E-Car

➤ Description:

Chem-E-Car is fun event with an element of chemistry in it aiming at running a model car on chemical fuel. Chem-E-Car is a test of design & creativity as well as safety features and future use of the chemicals as fuel for car. The event calls for a balance between speed and direction.

➤ Car Specifications

- The dimensions of car must be maximum (50x40x40) cm.
- Maximum time of 3 minutes will be given for a single attempt.
- Use of commercial batteries will not be allowed.
- The car must be an autonomous vehicle and cannot be controlled remotely. Giving a push to start the vehicle or using a mechanical starting device is not allowed.
- The maximum capacity of container should be 400ml.
Closed containers are not allowed for carrying given water.

➤ Rules:

- Two trials will be offered and the better of the two will be considered in first round.
- The car must carry a container that holds up to 400 ml of water without spilling. At the competition, only the water will be supplied. Thus, each car must have its own container.
- No explosive, hazardous or harmful chemical should be used for the chemical reaction.
- Complete measures of safety must be taken care of.
- There will be two rounds.
- In round I, there will be race and track will have various hurdles like soil/sand, pebbles qualified cars will move towards next final round II.
- In round II, car must carry water in its container and travel the maximum straight distance of 15 m on the given track.
- Track will be revealed before one hour of the actual competition.
- One hour will be given to all the teams for trial runs before the start of actual competition.

➤ Team size: Maximum 2 participants per Team

➤ Faculty Coordinator:

1. Dr. Tarun Kumar

Contact No.:7696400873

Email Id: drtarun.cu@gmail.com

2. Ms. Nishu

Contact No.: 9821745794

Email Id: knishu.cu@gmail.com

Student Coordinator:

Madhav Gaba; 9899533844

Jai Kumar; 8264825136

Divyanshi Mishra; 9660407234

Krishika Sambyal; 7889648031