

# ROCKET CAR

## Description :

The world's fastest land speed record is **1227.985 km/h**, Mach 1.02 made by the rocket powered car "**Thrust SSC**" on 15th October 1997. In order to encourage and motivate the engineers in the field of Aerodynamics and Solid-fuel based Rocket engines, Chemical Dept is inviting you to participate in Rocket-Powered Model Car Competition.

## Event Format :

The teams will need to design and build a self-powered model car which must be propelled by a rocket engine. The Model Rocket Car will be run over a straight path of 50 m and the speed will be measured by using a light gate.

**Team Size :** 1(min) to 3(max)

## Rules :

1. The car should not be made of thermocoal and foam.
2. The fuel used in the car should be a Solid-fuel propellant.
3. The length of the car should not exceed 40 cm.

4. The maximum number of rocket motor can be used is 3.

### **Judging Criteria :**

1. The fastest and the most Aerodynamic car will be selected as the winner.

2. Judges decision will be the final.