

**TECHNICAL EVENTS**  
**ROBOMANIA- 2018**  
**GULZAR GROUP OF INSTITUTES KHANNA**  
**LUDHIANA**

**Faculty Coordinators-**  
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# MUD RALLY

## *About the event:*

Robot that has been designed for the purpose of rescuing people. The benefits of rescue robots to these operations include reduced personnel requirements, reduced fatigue, and access to otherwise unreachable areas. This robot has to tackle a lot of problems coming in its path including uneven terrains, mountain slopes, pebbles and stones, pits, mud and water. Roborally invites students to design such a rescue robot that could cross the above mentioned difficulties in least time.

## **Problem Formulation:**

To design a manual controlled wired / wireless robot that could cross a track full of obstacles in least time.

## **General Rules:**

1. Each team can have maximum of 4 participants.
2. A team may consist of students from different colleges. School students from class 8th and above are also allowed to participate in the event.
3. Robot should fit into a size of (30 x 30 x 30)cm.
4. Max. Weight Limit is 4kg.
5. Maximum power (12 V), can be onboard or off board.
6. The organizers reserve the right to change the rules as they deem fit.
7. Judges decision will be final and binding to all.

## **Note**

- All decisions of a referee and judges are final.
- All the criteria will be checked before the match. If any ROBOT fails to match the criteria shall be disqualified.

Student Co-ordinator

Shubhneet Arora

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