

## Abstract: Nitro Blaze

**Please note that even if your abstract does not get shortlisted, you are still eligible to participate in the competition.**

Guidelines for the submission of the abstract are as follows:

- **Rename** the .doc file as “TeamName.doc” and email the file to [nitroblaze@exodia.in](mailto:nitroblaze@exodia.in)
- Please fill in the information in the sections mentioned below.
- Kindly do not exceed the word limit mentioned in respective sections and do make sure that you type the document **only** in Arial font (size 12).
- Support your write up with appropriate **images** of your machine. Note that even photos of incomplete machine may be attached and if it is not at all possible to include the pictures then try and integrate 2d plans/CAD drawings in the abstract.
- This information shall be considered valuable for deciding Design / Innovation prizes. The abstract of your machine will be helpful everywhere in future as an evidence of your hard-work, along with determining your position for the competition. So please pay adequate attention to it.

Please fill in the following details:-

Team Name:

Team Leader's name:

Contact Number:

**Frequency of Remote Control Panel must be 2.4 GHz only.**

(In case of more than one frequency available, please write all the frequencies)

**Organizers will not be responsible for any email bounces. We will be sending you a confirmation mail as soon as we get your abstract.**

Each team is allowed to make **only one** submission. In case of multiple submissions, only first submission will be evaluated.

**The details of the abstract will remain confidential with the manager of the event.**

1. Describe the steering mechanism of your car. Explain it along with proper diagrams. Also attach the pictures of your steering system.

2. Describe the brake mechanism of your car. Explain it along with proper diagrams. Also attach the pictures of your disk and disk pads which you have fabricated.

3. Describe the chassis layout of your car. Use proper diagrams to explain it. Also attach the picture of your empty chassis. If your car is already built your car show the pictures of the chassis in current state.

4. Describe the suspension mechanism of your car. Explain it along with proper diagrams. Also attach the pictures of your suspension system.

5. Give the specification of you all the parts that you have bought from the market. Write in the details of your engine, shock absorbers and springs, clutch, motors/actuators used, remote control and its frequency.

6. Describe any unusual/advantageous/innovative mechanism you have used.