



8TH NATIONAL
SCIENCE BEE
2019

Module Guidelines



GEAR GRIND



INTRODUCTION

Put your builder hats and get ready to test your creativity because “Gear Grind” is all about using your innovative skills to design and create. The tasks will include real life situations and problems which will have to be solved by preparing basic models using mechanical engineering concepts.



PROCEDURE

There are three levels, classified on the basis of difficulty level. There is a time limit for each level. The design is totally mechanical and doesn't involve any electrical machinery. Rotating flywheel input, which will be made of a thermopole sheet, will be provided. Some basic mechanisms will be explained to the participants beforehand and will be on display throughout the competition.



RULES AND REGULATIONS

- Time limit for each round is different. And completing the task before the given time will lead to bonus points
- Teams taking extra time will be penalized
- Every team will be consisting of 3-5 members. The presence of at least 3 members is compulsory.
- Extra material will not be provided, and sharing of material is prohibited.
- Marking criteria will be explained at the event.

- External assistance of any kind will lead to strict penalty or disqualification.
- Cheating or use of unfair means will lead to disqualification.
- Participants must work within the workspace allotted to them.
- Jury's decision will be final and cannot be challenged.