

# **ESG Science Fair 2016-17**

***Saturday, 25 February 2017@IISER-Pune***

Exciting Science Group (<http://www.excitingscience.org/>) is organising “ESG Science Fair 2016-17” for students currently enrolled in class 8 and 9. A project may be done by an individual student OR a team consisting of maximum two students.

For further details, please visit <http://www.excitingscience.org/>

## **What is expected?**

Remember, a winning project does not always require expensive equipment, or a fancy laboratory to work in! We are looking for innovative/novel/creative ideas, original work, well thought-out research and scientific or engineering skill.

We expect that your project entry should describe:

- What you did in the project?
- How well you followed the scientific method?
- The detail and accuracy of research as documented in the data book
- Whether experimental procedures were used in the best possible way

## ***What is acceptable?***

- Theoretical projects should develop and explain new theory and validate against experimental data. Experimental projects should be supported by data collected from experimentation. Engineering projects should have a basic WORKING PROTOTYPE. A structured, systematic approach to the problem and well-documented work (log books) are appreciable.
- Even starting off with a hypothesis and proving it is incorrect can also be good research project.
- In case, some of your experiments or samples did not work - please do not discard the data! Note it down and have it ready to show if needed during the fair.
- Typically, projects should have control experiments. Your project should have solid conclusion which has repeatability, practicality, knowledge of limitations of data.

## ***What is NOT acceptable?***

- Science essays, survey, mere idea OR a thermocol based model explaining certain behaviour DO NOT qualify for ESG Science Fair.
- Repeating a standard school science experiment or text book science experiments
- Making a wild hypothesis without personally doing any experiment
- Making unsubstantiated claims that violate known laws and principles of science
- Simple posters and models explaining science/technology principles
- No Glittery charts or posters
- “copy-paste” directly from “science-fair” websites