

ESG Science Fair 2016-17

ESG stands for Exciting Science Group

ESG Fair HAND BOOK

Submission Deadline: Friday, 20th January 2017

Exciting Science Group (<http://www.excitingscience.org/>) is inviting project submission from students of class 8th and 9th for their local Fair in Pune. This fair is being conducted by ESG with generous support from CSIR-NCL, IISER-Pune, Venture Center, the Praj Foundation the Nag Foundation, the Forbes Marshall Foundation and the Persistent Foundation.

Eminent scientists from CSIR-NCL and IISER-Pune will be judging the selected projects.

Winners of the ESG Science Fair 2016-17 get a chance to win attractive cash prize, a trophy and a certificate.

All selected participants for the final round will get the opportunity to present their work to scientists from NCL and IISER-Pune.

Eligibility:

The students who satisfy all the criteria below are eligible for submitting project to ESG Science Fair:

1. Students must be enrolled in class 8 or 9 while submitting the project.
2. A student or a team can submit only one project for the fair.

Project Team Composition:

A project may be done by one individual student or a Team consisting of maximum two students.

Project Category: Class 8 and 9 only

Subject Category:

Projects from following subject category are allowed to be submitted:

- | | |
|-----------------------------------|------------------------|
| 1. Energy | 7. Biology |
| 2. Engineering | 8. Maths |
| 3. Environment | 9. Behavioural Science |
| 4. Physics | 10. Technology* |
| 5. Chemistry | |
| 6. Computer Science & Engineering | |

*We have added new Technology category – this includes mobile apps using scratch or app inventor, app development using embedded kits such as raspberry-pi, arduino etc.

Note: participating student must be familiar with the programming concepts and hardware used.

Project Qualification:

Your project must be the original work done by you. It should be supported by data collected from experimentation. Engineering projects should have a basic working prototype. It could also be a structured experimentation bringing about known results. Science essays, survey, mere idea or a thermocol based model explaining certain behaviour do not qualify for ESG Science Fair.

Project Submission:

1. All the entries must be submitted online at <http://www.excitingscience.org/> before the midnight of Friday, 20th January 2017 (Submission will open by Tuesday, 1 November 2016)
2. It is suggested that you already have the answers to all the questions typed in a notepad like editor. Once you are ready, paste all the answers appropriately and make your submission.
3. Once you make a submission, you will be allowed to upload a pdf file that may contain any additional reference material, photographs etc.
4. To verify your submission, you can use **View Submission** on the portal.
5. All the projects must fill the Form-1: Risk Assessment Form (shown below) and bring it to the fair once selected.
6. At appropriate deadlines, students are expected to visit the website and look at next steps. Where ever possible, an email will be sent to the primary participant.

Project Selection Process:

1. After the deadline, your project will be evaluated by ESG & projects will be shortlisted.
2. You must visit the website again to know about your project selection.
3. The website will have the details of your selection to the ESG Fair.
4. At any point, Judges may call the participants for getting clarity and any additional information.

Judging Criteria:

Judging will be done using the following broad criteria:

1. Novelty – 10 points
2. Scientific thought / Engineering goals - 10
3. Scientific Method / Engineering Design – 10 points
4. Data Management - 10
5. Applications – 10

Final Round:

1. The selected projects will need to be presented, in person, by the registered students in the form of Prototype OR an exhibit along with a poster.
2. If your project has been selected for the FINAL ROUND and you are unable to appear in person to explain it to the judges, then you will NOT be considered for prizes.
3. A Table and an electrical connection will be provided to each team on the day of the competition.
4. After the project submission, if any changes are made in original project idea, such changes can be added to the original research plan as an addendum for the final round.
5. The FINAL ROUND of ESG Science Fair 2016-2017 will be judged by a panel of eminent researchers. These researchers will visit each project, and discuss the project with the students.
6. Every selected project participant MUST bring his/her valid school ID card and a bonafide certificate (printed on the school letterhead) signed by the school principal and with the school stamp, on the day of the competition.
7. The bonafide certificate template is provided in this handbook (shown below)
8. The ESG Science Fair will take place on Saturday, 25 February 2017 at IISER-Pune.

9. The prize money for the competition will be as follows:

Champions : Rs 10000 each + trophy + mementos + certificates
Runners Up: Rs 6000 each + mementos + certificates
Ill place holders: Rs 4000 each + certificates

10. Decision of the judges will be final and binding on the participants.

11. The prize distribution will be held on the same day in the hands of a distinguished guest.

General Rules:

1. The selected project participants shall not be allowed to use mobile or other electronic instruments during the fair if it is unrelated to the project.
2. Replacement of any participant of a team is not allowed after registration. In case of absenteeism of one participant from the registered team, the remaining participant has to compete as a team.
3. Any requests for swapping of participants within the teams from a particular school will not be permitted after the deadline for registration. You can re-register till the last date (midnight of Friday, 20th January 2017) by sending an email to register@excitingscience.org (with Subject line: Request for re-registration for ESG Science Fair 2016-17) and clearly stating in the email that you are re-registering for the competition. After that, change in team composition is not possible.
4. The organizers retain the right to make any changes in the event, its format, and rules and in any matter related to this event, at any time before or during the event.
5. Once you make a project submission you indicate your acceptance that the decision of the organizers will be final and binding on all issues related to the ESG Science Fair and no correspondence in this regard would be entertained.
6. The medium of communication for this competition will be only English.
7. The organisers will NOT cover any travel/food or any other costs incurred by the teams, their schools/parents/guardians towards participating in the fair.
8. Teams MUST carry their own lunch boxes on the day of the fair. Teams can also avail the option of buying lunch at IISER-Pune.

ESG holds the final discretion and reserve rights to change any decision on the above matter.

Dates to Remember:

1] Project submission opens: Tuesday, 1st November 2016

2] Project submission deadline: Friday, 20th January 2017

2] Announcement of selected projects on ESG website: Monday, 30th January 2017

3] ESG Science Fair: Saturday, 25th February 2017

***Special Note:

ESG will be organizing free workshops lead by eminent scientists to brief students about what constitutes a research-based project and what does not, writing a proper title and abstract for a project, project presentation, data interpretation, what do judges look out for in a project, etc.

Kindly visit the website <http://www.excitingscience.org/> for details about the workshop.

ESG Science Fair 2016-17

Saturday, 25th February 2017, IISER-Pune

No Objection Certificate

DATE: _____

This is to certify the following is a *bonafide* student of School

_____.

This certificate confirms the participation of the following student as a participant representing _____ (School Name) in ESG Science Fair 2016-17, a research project competition conducted by the Exciting Science Group, Pune. This also confirms that the school has no problems in this student participating in the fair at Pune on Saturday, 25 February, 2017.

Full Name	Class currently enrolled in	Signature
1.		

School Principal

Name : _____

Signature: _____

Institute Seal

ONLINE-FORM QUESTIONNAIRE

The students are expected to fill the following questions online:

1. Student details, Project title & subject category
2. Abstract text (250 words maximum)
3. What is the novelty of your project?
4. What is the work done so far?
5. For multi-year project, list the work performed this year.
Leaving blank for this question will result in automatic disqualification
6. List the labs used (if any)
7. References

The above information is for your information. To submit your entry you will need to go to <http://www.excitingscience.org/> and enter the details for your project.

Note:

- Only the Customization of online submission portal for ESG Science Fair 2016-17 has been volunteered by [Science Society of India](#)
- ESG Science Fair is an independent research project competition and is NOT affiliated to INSEF or any other National Science Fairs

The organization of the fair including all the expense involved & physical safety measure at the site is taken care by the Exciting Science Group.

For any questions email to register@excitingscience.org
(Only online entries are accepted – do not send any printed copies/sheets)