14th ANNUAL SCIENCE FAIR VIRTUAL

NATIONAL SCIENCE FAIR
12th, 13th FEBRUARY 2022

Display Of Research Based Projects By School Students

Organized By

OMEIAT
ORGANIZATION OF MUSLIM EDUCATIONAL INSTITUTIONS AND ASSOCIATIONS OF TAMIL NADU

www.sciencefair.omeiat.in

A PREAMBLE ON SCIENCE FAIR

Science Fair is not a Science Exhibition.

In advance countries, academics and research are integrated right from the primary level. They do not conduct Science Exhibitions. But, conduct Science Fairs. Science fairs provide a vehicle by which talented science students can be recognized for their achievements just as athletes are recognized in sporting events. When students do original research, they better understand the nature of science while developing their critical thinking skills, an essential goal of the science standards.

Science Fair Project: Investigating a problem scientifically through a project is called Science Fair Project. The project consists of Adopting the Scientific Method, Recording Data, Analysing the Result and Displaying the report.

STEPS FOR SCIENTIFIC METHOD

- *Select a problem in and around*
- *Carry out some research*
- *Write down hypothesis (An educated guess)*
- *Carry out experiments*
- *Write down observed data*
- *Analysis the data by way of Tables, Graphs and Key Diagrams*
- *Record your results*
- *From the results, infer the conclusions*
- *Display your projects*

Reference for new project ideas and guidelines for carrying out projects:

For further reference regarding new project ideas, project report and presentation, please visit websites www.sciencebuddies.org, www.super-science-fair-projects.com, www.sciencefair-projects.org www.all-science-fair-projects.com, www.irisnationalfair.org, www.scifest.ie

SCIENCE FAIRS CONDUCTED BY OMEIAT

OMEIAT conducts science fairs since 2008. **Dr. Qazi S. Azher, Associate Professor, Michigan State University U.S.A.** is pioneer to this novel idea of conducting 'Science Fairs' in India. OMEIAT has organized State / Regional / National level Science Fairs.

VIRTUAL NATIONAL SCIENCE FAIR (NSF - 2022)

The 14ᵗʰ Annual Science Fair is organized **VIRTUALLY** *as a* **'2-Day National Science Fair'** *for school students from all over India.*

Difference between Virtual and Normal Science Fair

The only difference is that in virtual science fair, the display of project report, oral presentation and evaluation by the judges are done by on-line while in the normal science fair, it is done in person physically. **Otherwise, no compromise in the preparation of projects by the students, particularly no compromise in the experimental part which is vital in a science fair project, whether the experiments are done in a laboratory or at home.**

LEVELS OF COMPETITION / CATEGORIES

LEVELS	STANDARD	CATEGORIES			
		LIFE SCIENCE (LS)	PHYSICAL SCIENCE (PS)	ENVIRONMENTAL SCIENCE (ES)	ENGINEERING SCIENCE (ErS)
PRIMARY	4ᵗʰ & 5ᵗʰ	Zoology Botany Biochemistry Biotechnology Projects, etc...	Physics & chemistry Projects	Inter-Disciplinary Projects related to Environment	Designing, building, modelling, analysing or improving devices & making its prototypes in order to solve engineering problems.
MIDDLE	6ᵗʰ, 7ᵗʰ & 8ᵗʰ				
JUNIOR	9ᵗʰ & 10ᵗʰ				
SENIOR	11ᵗʰ & 12ᵗʰ				

WHO CAN PARTICIPATE

Students of Standard IV to XII from schools (All Boards) anywhere in India can Participate.

Any number of projects can be sent by a school.

Note:

The student who is applying for participation must ensure that the project is his / her own and new findings. Project should be Innovative and Original work following scientific Methodology.

A student has to do project individually. Project by a team is not allowed.

PRIZES

The first three toppers at each level in each category will be given prizes.

AWARDS

PRIMARY LEVEL
🏅 BUDDING SCIENTIST

MIDDLE LEVEL
🏅 EMERGING SCIENTIST

JUNIOR LEVEL
🏅 JUNIOR SCIENTIST

SENIOR LEVEL
🏅 YOUNG SCIENTIST

ONLINE PROCEDURE FOR PARTICIPATION

Step1: Submission of Application and Research Plan (In about 6 Pages)

For participation, students have to register by submitting the application and Research Plan of the project in prescribed formats (please see 'Downloads' for formats) on-line through www.sciencefair.omeiat.in Registration starts on **16th November 2021** and closes on **26th December 2021.** The results of preliminary selection will be announced by **30th December 2021**

Step 2: Submission of Synopsis of Project (In about 18 Pages)

The preliminarily selected students only have to submit the synopsis of the projects in prescribed format (please see 'Downloads' for format) through on-line between 23rd & 28th January 2022 by 11.59pm for final selection. The results of final selection of synopsis will be announced by 2nd February 2022.

Step 3: Submission of Project Reports

Finally selected students have to submit the following through on-line by 8th February 2022
1. 18 -30 pages Final Project Report as PDF **(Please see Downloads for format)**
2. 18 pages Display Sheets which are used in Display Board **(Please see Downloads for format)**
3. 3-5 min video recording of oral presentation using the display board **(Visit website for Video Recording of NSF-2021)**

Step 4: Presentation of Projects in Video Conference

Oral Presentation by Students (5-10 min) in a time-line slots through ZOOM and evaluations by Judges will be on **12 & 13 February 2022**. This video conference will be lively attended by public and live in YOU-TUBE.

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CONTACT DETAILS

For technical doubts related to on-line submission of application and project related documents:

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