



NSF-2027

— National Science Fair - 2027 —

www.sciencefair.omeiat.in

10th January 2027

Organized jointly by



UNITY PUBLIC SCHOOL

Chennai

&



OMEIAT

(Organisation of Muslim Educational Institutions and Associations of Tamilnadu)



Venue:

Unity Public School

109, Lake View Road, Kottur, Chennai - 85

Sponsored by :



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**FATHIMA CENTRAL
SENIOR SECONDARY
SCHOOL**
Basilipatti, Chennai - 18.

A Preamble on Science Fair

Science Fair is not a Science Exhibition.

In a science fair, students display reports of research projects which are done following the scientific methodology.

Doing a science fair project involves selecting a research problem, stating hypothesis, designing and carrying out experiments, collection and analysis of experimental data to arrive at a new conclusion.

Some references for new project ideas and guidelines for carrying out projects.

iris.exstemplar.com

www.societyforscience.org

www.competitionsscience.org

www.scifest.ie



NSF-2014 at The New College

Science Fairs conducted by OMEIAT:

OMEIAT conducts science fairs since 2008.

Dr. Qazi S. Azher, Associate Professor, Michigan State University U.S.A. is a pioneer to this novel idea of conducting 'Science Fairs' in India. OMEIAT has organized 18 science fairs at state / regional / national level under his guidance.

Details of National Science Fair (NSF -2027)



NSF-2017 at AMS College of Engineering

Who can participate?

- ↪ Students of Std. IV to XII from schools (All Boards) anywhere in India can participate.
- ↪ Any number of projects can be sent by a school.
- ↪ A student has to do project individually. Project by a team is not allowed.

How projects should be?

- ↪ The student who is applying for participation must ensure that the project is **his /her own and original**.
- ↪ Project should be **Innovative** and **Applicable to solve** a problem at **Low Cost** and done following **Scientific Methodology**.



NSF-2013 at JBAS College for Women

Levels and Categories:

The science fair will be conducted in 4 categories of fields for each of the 4 levels of students as given below:

LEVELS	
Primary	- (4 th & 5 th Std.)
Middle	- (6 th , 7 th & 8 th Std.)
Junior	- (9 th & 10 th Std.)
Senior	- (11 th & 12 th Std.)

CATEGORIES	
LS	(Life Science)
ES	(Environmental Science)
PS	(Physical Science)
EGS	(Engineering Science)

Prizes & Awards

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

The students who stand first, over all in a level, irrespective of the category will be given the following MERITORIOUS AWARDS:

- Primary Level - 'BUDDING SCIENTIST'**
- Middle Level - 'EMERGING SCIENTIST'**
- Junior Level - 'JUNIOR SCIENTIST'**
- Senior Level - 'YOUNG SCIENTIST'**



Procedure For Participation:

Step 1: Submission of Application and Research Plan :

For participation, students have to register by submitting the application in the website www.sciencefair.omeiat.in

Registration starts on 4th Sep. 2026.

Those who have registered shall submit Research Plan of the project in the prescribed format (given at the last page) by on-line **on or before 10th Sep. 2026, 5.00 pm** through our website.

The results of preliminary selection will be announced by **16th Sep. 2026.**

Step 2: Submission of Synopsis of Project :

The preliminarily selected students only have to submit the synopsis of the projects in the prescribed format through on-line on or before **1st Dec. 2026** for final selection.

The results of final selection of synopsis will be announced by **10th Dec. 2026.**

Step 3: Submission of Project Reports :

Finally selected students have to submit the following through on-line by **5th January 2027, 5.00 p.m.**

- 1) 18 - 30 pages Final Project Report as PDF
- 2) 18 pages Display Sheets which are used in Display Board with mail-id of students
- 3) 3 - 5 min. video recording of oral presentation using the display board

Step 4: Presentation in NSF-2027

Presentation of Projects by students in person will be at the venue on **10th January 2027, between 9.30 a.m. and 5.00 p.m.**



**For details/queries,
please contact:**

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Mr. A. Mohamed Ashraf
President, OMEIAT

Mr. S. Ahmed Meeran
General Secretary, OMEIAT

Mr. M. Humayun Kabir
Principal, Unity Public School

Research Plan Format

The Research Plan should be presented in the following headings (in about six pages in A4)

For Projects other than Engineering Projects

a. Selection of Problem and Background Information:

A brief note of the backgrounds that supports your research problem and explains why this research is important and if applicable, explains any societal impact of your research.

b. Problem:

What do you want to find out? What is your question?

c. Hypothesis:

What do you think will happen? Hypothesis is an educated guess or logical explanation that could be tested and forecasts how one variable (independent) can affect a second variable (dependent)

d. Procedure:

How will you conduct your investigation? Detail all procedures and experimental design including methods for data Collection. Proposed TABLES for data collection shall be given. You need not give data. (Use Future Tense to describe the details of the method or procedure.)

- ▲ May be written stepwise, in sections, or in phases.
- ▲ Detail the procedure and experimental design.
- ▲ May use diagrams or flow charts, etc.
- ▲ Include a copy of a questionnaire, survey, or test if part of the study)

e. Risk and Safety:

Identify any potential risks and safety precautions needed.

f. Data Analysis:

Describe the procedures you will use to analyze the data/results. State the procedures that WILL BE USED to analyze the data that WILL BE collected to answer the question or hypothesis. USE the future tense. DO NOT give results. DO NOT give a conclusion. The research plan states WHAT WILL BE DONE.

g. Bibliography:

List major references (e.g. science journal articles, books, internet sites) from your literature Review. Do not rely only on Internet resources. Internet resources should be reliable. But also use science journals, books, magazines, newspapers, etc.

For Engineering Projects only

1. INTRODUCTION:

What is your engineering problem and goal?

- What problem were you trying to solve? Include a description of your engineering goal.
- Explain what is known or has already been done to solve this problem, including work on which you may build. You may include a brief review of relevant literature.
- If this is a continuation project, a brief summary of your prior work is appropriate here.

2. State Engineering Requirements / Design Criteria:

Clearly explain what Engineering requirements/ parameters will you determine with your prototype to assure your engineering goal is successfully achieved. For example, a student developing an obstacle-detection system might write: The prototype should: 1. Detect an obstacle within __ cm. 2. Respond within __ seconds 3. Operate continuously for __ hours. 4. Achieve at least __ % detection accuracy. 5. Be developed within a cost of ₹ __?

3. METHODS:

Explain your proposed methods or proposed procedures for building your design.

- What do you plan to do?
How will you design and produce your prototype?
If there is a physical prototype, you can give pictures or designs of the prototype.
- **Testing and evaluating the prototype:**
State 1. What will you measure? 2. Which factor will you change during the testing? 3. What will you observe or measure as the result? 4. How many times will you repeat the test? 5. What data will you record? 6. How will you compare your prototype with an existing solution or method? 7. What result would tell you that your prototype has achieved its goal?
- In case of Engineering Goal not attained with the Prototype with the testing procedure,
 - i) What is your plan to do variation in the procedure for testing the prototype
 - ii) Will you go for second prototype? If so, what is the idea for designing the second prototype and testing procedure
- DO NOT include a separate list of materials.

4. You need not give Results and conclusions at this stage (in research plan)

5. REFERENCES

List the references/documentation used such as books, journal articles etc. supporting selection problem, methods, procedures etc.,