



Gandhi Research Foundation

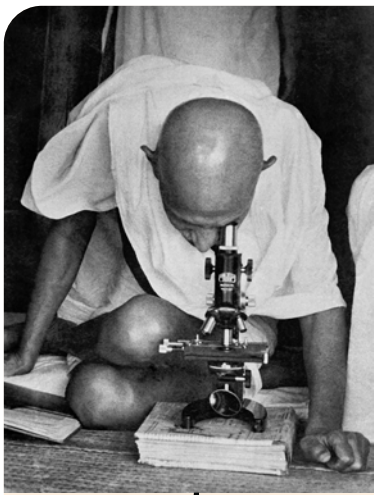


are jointly organising



NATIONAL INNOVATION CONTEST





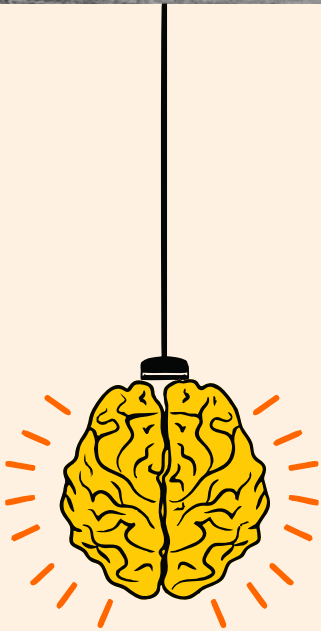
Concept

Science and technology has transformed the way humans live, bringing enormous progress. However there is a growing concern that science is slowly moving away from nature and human concerns, and to that extent leading to a life of unsustainability.

Gandhiji insisted on humane science. Invention is worth its name only if it helps the weak in the community. His idea of 'new education' was meant to promote people-centric science with appropriate technology. Such science would create for the common person an environment of productive thinking and innovative exploration, to improve his own daily life and that of his neighbours and community. Small inventions, Gandhi thought, would steer the villages on a new direction, towards self-reliance and Swaraj, and nurture in everyone a scientific outlook. That science would be morally sound and sustainable. It should start with students.

The Gandhi Research Foundation and the Marathi Vidnyan Parishad are jointly organising a "National Innovation Contest" (NIC) for students. The NIC offers an opportunity to young talents to showcase their creative thinking in the realm of life-centered science and technology. The Contest encourages students to be innovative with the available science and technology in the context of their locality, using endogenous resources, for the welfare of people, in a manner of 'Small is Beautiful'.

*(*Eminent economist E. F. Schumacher promoted the idea of small and appropriate technologies and systems intending to empower people more. He wrote the book 'Small Is Beautiful', drawing inspiration from Gandhi)*



You too can innovate

NIC offers you a unique opportunity to create an innovative model in the following themes.

- ▶ **Environment**
 - Techniques to control water and air pollution, to ensure clean and potable water; to conserve and promote biodiversity.
- ▶ **Energy**
 - Non-conventional energy: green energy, biogas, biofuel, reduction of the use of conventional energy.
- ▶ **Information and Communication Technology**
 - Fuel efficient and Pollution free design of automobiles. Remodeling modern devices such as television, radio, mobile, phone, e-mail, internet etc, to make them serve rural life.
- ▶ **Sanitation**
 - Methods of segregated waste disposal; recycle and reuse water; better sanitation.
- ▶ **Employment and village development**
 - Self-sufficient village; cottage industries; bridging the gap between rural and urban life.
- ▶ **Agriculture**
 - Sustainable agriculture; water harvesting; ground water recharging and irrigation methods; organic farming, composting, pest control; increased productivity; value addition of farm produce.
- ▶ **Education**
 - Life centric education; livelihood based education; green school.

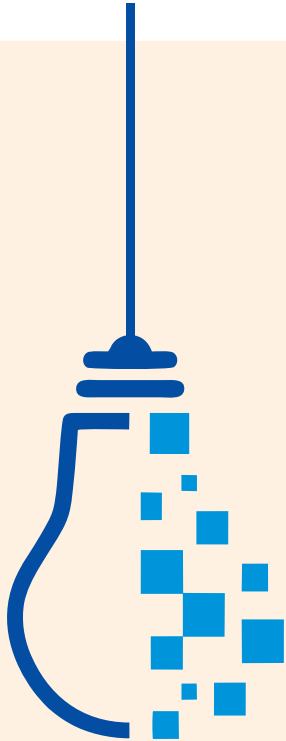


CREATIVE IDEA

Innovation Indicators

Contestants' innovations will be assessed based on the following indicators

- ▶ Creativity
- ▶ Originality, Innovative thinking
- ▶ Economical, durability and eco-friendly
- ▶ Workability
- ▶ Scientific Approach
- ▶ Technical precision
- ▶ Presentation style (easy, convincing)
- ▶ Usefulness for the neighbourhood community



Terms and conditions

- ▶ NIC is open to school students of class 5 - 10, who have a passion for science and technology are interested in innovative exploration. The contest is held in two categories:
 - ◆ Category I: Middle School (class 5-7)
 - ◆ Category II: High School (class 8-10)
- ▶ Schools and teachers are encouraged to guide the students in preparing the model
- ▶ Online registration.
- ▶ No registration fee.
- ▶ Individual student or group of students can register; student out of school too can register.
- ▶ Group (maximum 3 students) may be registered in the name of the team leader.
- ▶ Registered students will get a log-in ID and password.
- ▶ Project must be submitted in video format and its summary in word/pdf format.
- ▶ Video must explain the model and how it works (maximum 5 minutes).
- ▶ Project summary can be in 300 words, supported by sketches of the model.
- ▶ Selected models will be uploaded on social media for public comments and likes.
- ▶ Project must not have been submitted anywhere else before.
- ▶ Panel (organiser's) decision is final.
- ▶ Organisers have the discretion to alter the course of the competition, if necessary.
- ▶ Contestants registered for the NIC are assumed to have accepted all the terms and conditions.



Guideline for video presentation

The video must start with the participant introducing him/her self as follows:

"I/we*(name/s)*..... from
.....*(school name and place)*..... am/are happy to
participate in the National Innovation
Competition organised by Gandhi
Research Foundation and Marathi Science
Council. We submit our model called
.....*(name of the model)*....."

The video must highlight the following aspects:

- ▶ Summary of models
- ▶ Hypothesis
- ▶ Components description
- ▶ Research
- ▶ Scientific approach / perspective
- ▶ Process
- ▶ Data
- ▶ Results
- ▶ Analysis
- ▶ Conclusion

a. The presentation can be made in Hindi or English or Marathi.

b. Length of the video should not be more than 5 minutes.

c. Size of the video should not be more than 500 mb.

d. Video can be shot using mobile camera or normal camera.

e. Record the video placing the mobile horizontally.

f. The video should be produced in a bright, quiet environment and spoken in a clear voice.

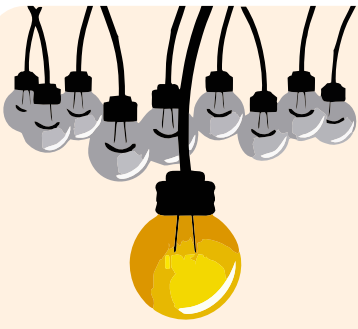
g. Online submission:

Contestant must submit the following documents:

- Student identity card
- Aadhaar card
- Passport size photo
- Video record
- Concept paper

For submission, log in using the ID and password, at the following link

Link: <http://gandhifoundation.net/NICF/index.htm>

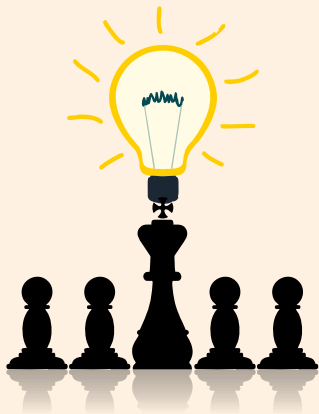


Precaution

- ▶ Take all necessary precaution during the project work.
- ▶ The project shall not in any manner be damaging to the interest of any individual, society or environment.
- ▶ Stay away from fire and inflammable materials.
- ▶ Electrical devices must be handled under the supervision of elders.
- ▶ No live animal must be used for project.
- ▶ Contestants will be solely responsible for the fallout of the project.
- ▶ The project shall be in compliance with the law of the land.

Awards and Certificates

- ▶ All registered contestants will be honoured with a certificate.
- ▶ Teachers who have guided the short listed contestants will also be honoured with a certificate.
- ▶ Schools of the award winning candidates will be honored with a trophy.
- ▶ Organisers will extend guidance to those candidates invent break through models, for further research / innovation and patenting.
- ▶ Three toppers in each category will be declared as winners. Four consolation prizes will be awarded to the runners-up.



* Winners will get prizes in the form of Educational materials to the value as stated below:

◆ First Prize	₹ 31,000/-*	◆ Second Prize	₹ 21,000/-*
◆ Third Prize	₹ 15,000/-*	◆ Consolation Prizes -4	₹ 5,000/-*

Juries

Dr. Anil Kakodkar, Chairman, GRF

Dr. Sudarshan Iyengar, Director GRF

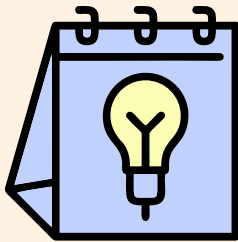
Prof. J. B. Joshi, Chairman, Marathi Vigyan Parishad

Dr. Vipin Kumar, Director, NIF

Mr. Anant Deshpande, Honorary Secretary, Marathi Vigyan Parishad

Important dates

- ▶ Last date for registration 30/1/2021
- ▶ Last date for submission of the model video and concept paper 15/2/2021
- ▶ Shortlisted models to be posted on social media 18/2/2021
- ▶ Last date for social media comments/ likes 26/2/2021
- ▶ Date of declaration of winners - National Science Day 28/2/2021



Click for registration

<http://gandhifoundation.net/NICF/index.htm>



Gandhi Research Foundation

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