



2

Internal idea competition in School and nomination of two to three best original ideas

1

Awareness and Capacity Building

3

Uploading of nominations to the E-MIAS Portal

4

Shortlisting of top 1,00,000 ideas and transfer of award money of Rs 10, 000 to students through DBT

5

District Level Exhibitions and shortlisting of 10,000 best ideas/innovations

6

State Level Exhibitions for further shortlisting of top 1,000 ideas/innovations

7

Mentoring support by reputed technology institutions to top 1,000 ideas/innovations

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Showcasing 1,000 best ideas/innovations at National Level Exhibition

9

Incubation of top 60 ideas/innovations

10

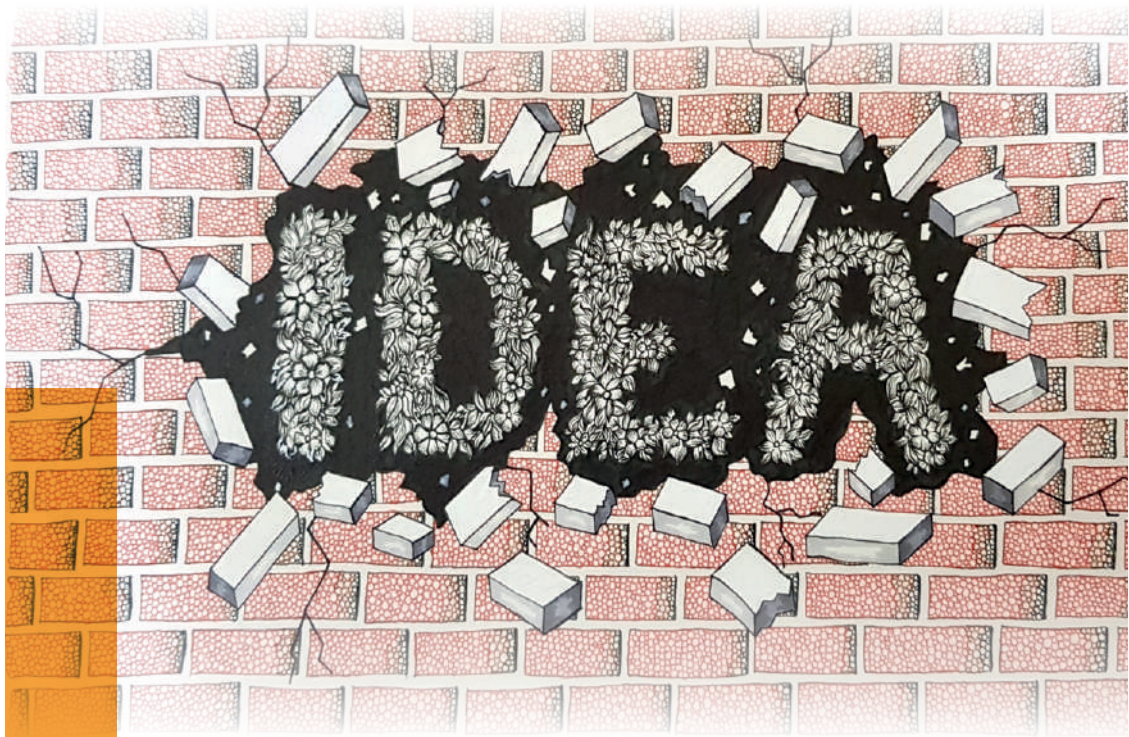
Display of the top 60 ideas/innovations at the Festival of Innovation and Entrepreneurship (FINE)

inspire
awards
manak

Million Minds Augmenting
National Aspiration and
Knowledge



राष्ट्रीय नवप्रवर्तन प्रतिष्ठान – भारत
विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार का स्वायत्तशासी संस्थान
National Innovation Foundation - India
Autonomous Body of the Department of Science and Technology, Govt of India



INSPIRE
(Innovation in Science Pursuit for Inspired Research)

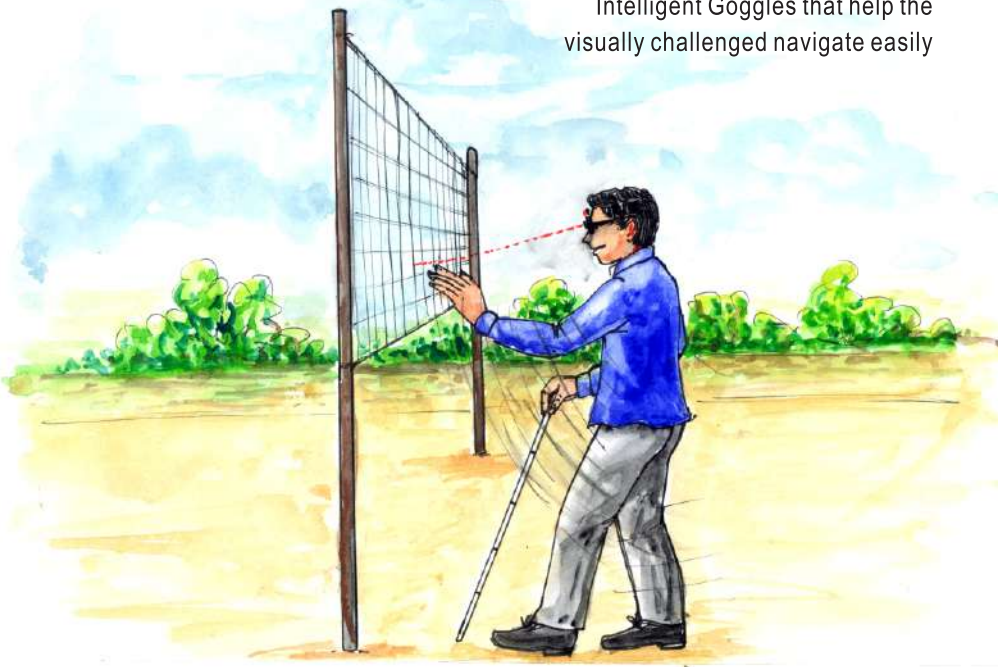
AWARDS

MANAK
(Million Minds Augmenting National
Aspiration and Knowledge)

Inspiring Innovators of Tomorrow

INSPIRE AWARDS – MANAK

Intelligent Goggles that help the visually challenged navigate easily



INSPIRE AWARDS-MANAK is an initiative to foster a culture of innovation and creative thinking amongst school students to address societal needs through Science and Technology by targeting one million original ideas/innovations rooted in science and societal applications.

The Department of Science and Technology (DST), Government of India has been implementing the INSPIRE Award scheme since 2009 – 10. The present INSPIRE Awards – MANAK (Million Minds Augmenting National Aspiration and Knowledge) scheme, executed by DST and National Innovation Foundation-India (NIF), is aligned with the action plan for "Start-up India" initiative launched by the Hon'ble Prime Minister of India.

What is an Innovation?

Innovation can simply be described as a new idea, device or method, which is useful and scalable to appropriate levels.

It should have certain distinctiveness over existing similar products/devices/methods & which helps improve output or efficiency, enables multi-functionality and/or reduces drudgery etc.

Plastic (safety) cap opener for LPG cylinder



Gunny bag filling machine

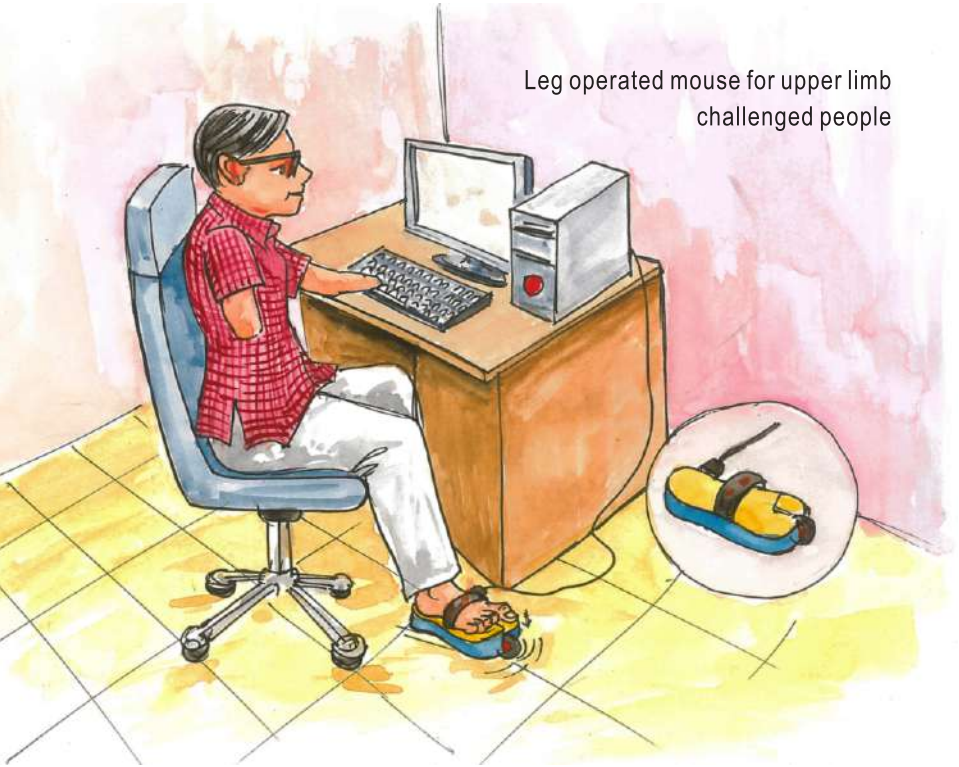


Why Innovation is necessary?

Innovation is necessary not only to maintain competitive advantage but for growth and development of institutions, industries and countries in a global world. Innovation improves products, processes and services, and thereby, the quality of life of people.

Thus, it becomes imperative not only to remain ahead in cutting-edge research but also in innovations. Recognising the role of innovation in governance, the Government of India had declared 2010—20 as the "Decade of Innovation".

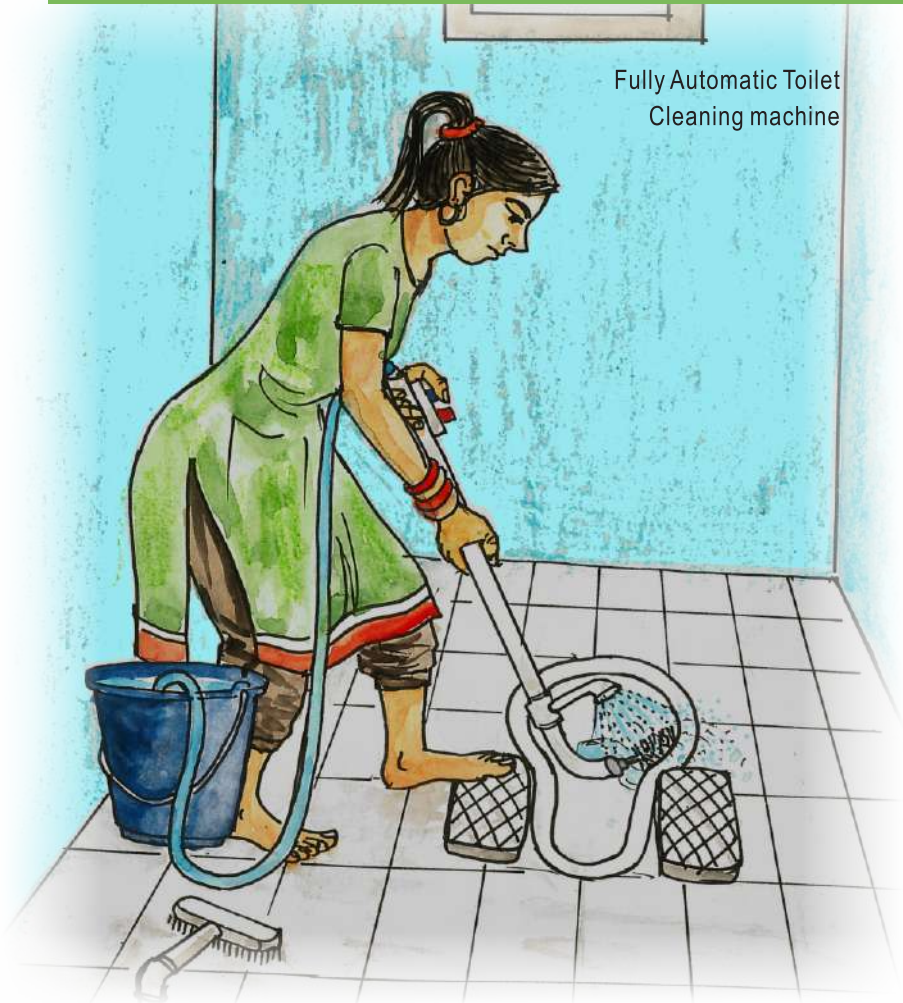
Leg operated mouse for upper limb challenged people



Why should we urge our children to be innovative?

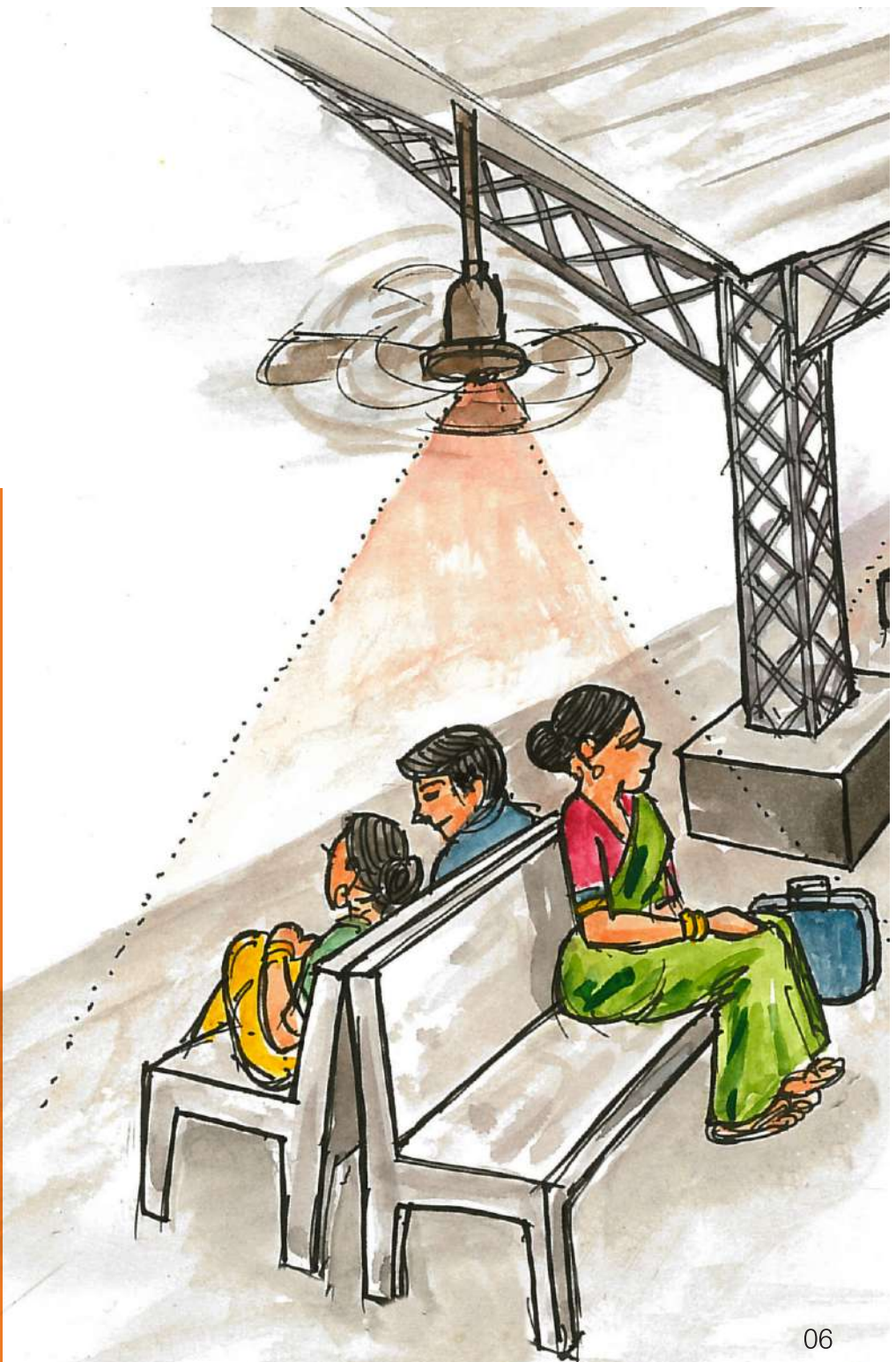
Creativity among children is almost in-born. Every child is creative, the degree may vary; however, not the basic manifestation. Originality, creativity and innovative spirit among our children have to be promoted. This will be helpful when they become leaders of our society in future ensuring an imaginative, inclusive future for the country fuelled by innovation. Inclusive development of our society needs opportunities for children so as to ensure an aversion to inertia and a reverence for innovative ways of solving problems. Creative, impatient and imaginative children are one of the most precious assets of the nation. Inculcating the spirit of samvedna (empathy), srajansheelta (creativity) and sahyog (cooperation) will make them worthy citizens of not just India but the world.

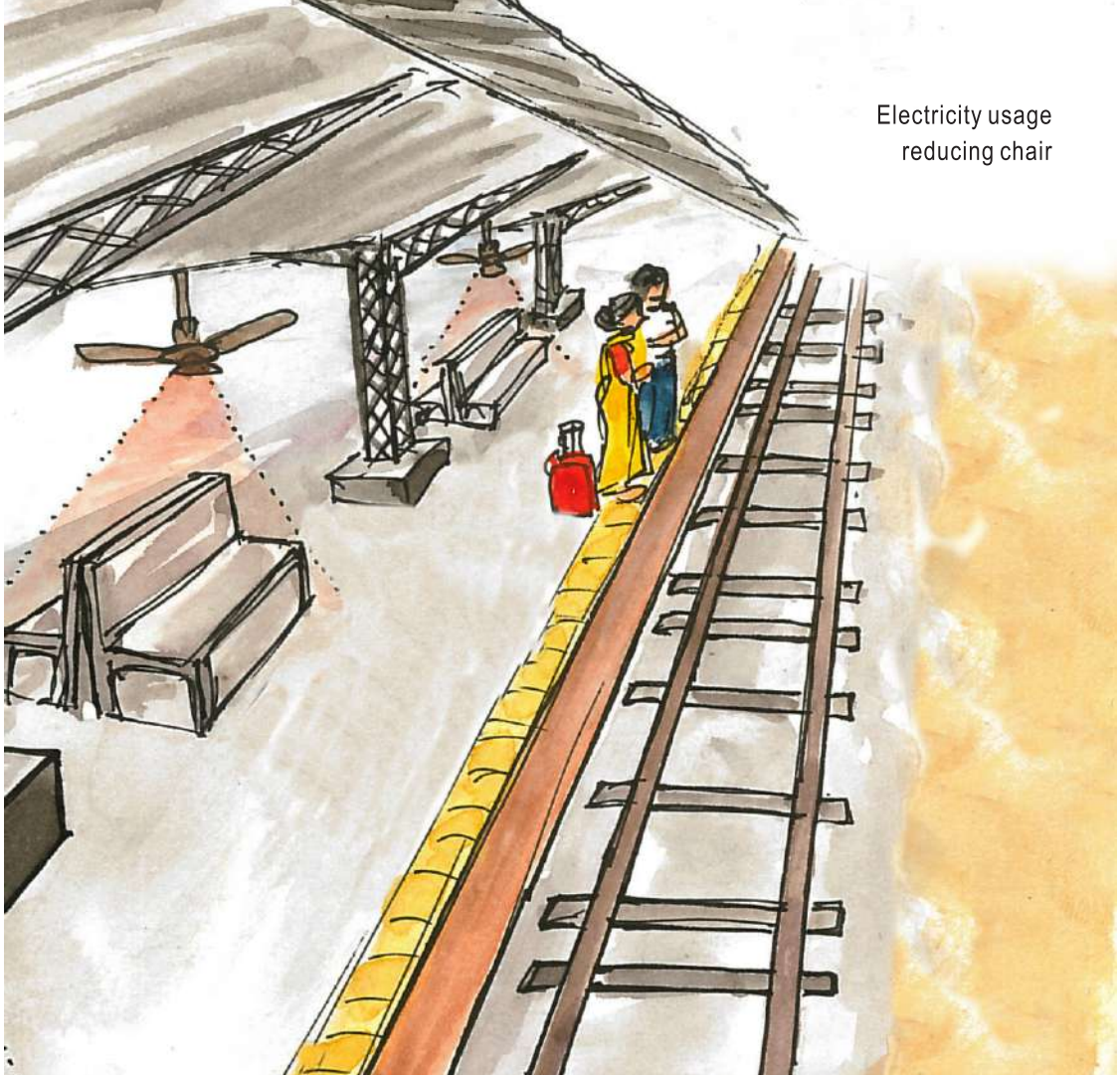
What is INSPIRE AWARDS – MANAK?



Fully Automatic Toilet
Cleaning machine

INSPIRE AWARDS-MANAK is one of the flagship programs conceptualised and executed by the DST and NIF. The basic objective of INSPIRE is to attract talent at an early age and have them exposed to the excitement of creative pursuit of science, help towards building a critical human resource pool for strengthening and expanding the science and technology system, and increase the research and development base.





Electricity usage
reducing chair

What kind of submissions are invited under
INSPIRE AWARDS – MANAK?

Original and creative technological ideas/innovations of students that solve any daily problem, be it household or for farmers, porters, labourers, society or the like. Children may be urged to look around for common problems and come up with solutions on their own.

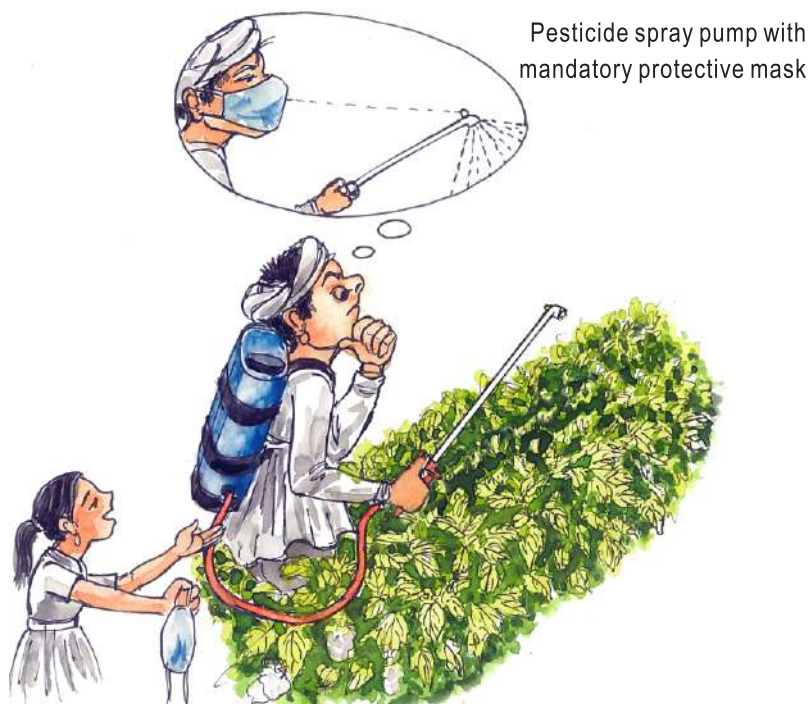
How is the scheme being operationalised?

- Awareness and capacity building of District, State and School level functionaries across the country through regional workshops, audio-visual tools and literature.
- Organising internal idea competition in schools and nominations of two to three best original ideas, in any Indian language, by the respective Principal/Headmaster online through E-MIAS (E-Management of INSPIRE Awards MANAK Scheme) portal.
- School should be registered on the E-MIAS portal.
- Shortlisting of top 1,00,000 (one lakh) ideas, with potential to address societal needs through Science & Technology by NIF.
- Disbursement of INSPIRE Award of INR 10,000 to the bank accounts of short-listed students through Direct Benefit Transfer (DBT) scheme.
- Organising District Level Exhibition and Project Competition (DLEPC) by District/State authorities and shortlisting of 10,000 best ideas/innovations for State Level Exhibition and Project Competitions (SLEPC).

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- Organising State Level Exhibition & Project Competition (SLEPC) for further shortlisting of top 1,000 ideas/innovations for the National Level Exhibition and Project Competition (NLEPC). At this stage, NIF will facilitate mentoring support to students for development of prototypes, in coordination with reputed academic and technology institutions of the country.
 - Selection of ideas/innovations will be based on novelty, social applicability, environment friendliness, user friendliness and comparative advantage over the existing similar technologies.
 - Showcasing 1,000 best ideas/innovations at the National Level Exhibition & Project Competition (NLEPC) and shortlisting of top 60 innovations for national awards and future direction.
 - Consideration of top 60 ideas/innovations by NIF for product/process development and their linkage with other schemes of NIF/DST and their display at the Annual Festival of Innovation and Entrepreneurship (FINE).

Who can participate?

Individual students (not groups) of class 6 to 10 (age 10-15 years) from all recognized schools, government or private, aided or unaided, from any National or State Education Board, may submit their original and innovative ideas (in any one of the 22 languages from the 8th schedule of the Constitution) to their school.

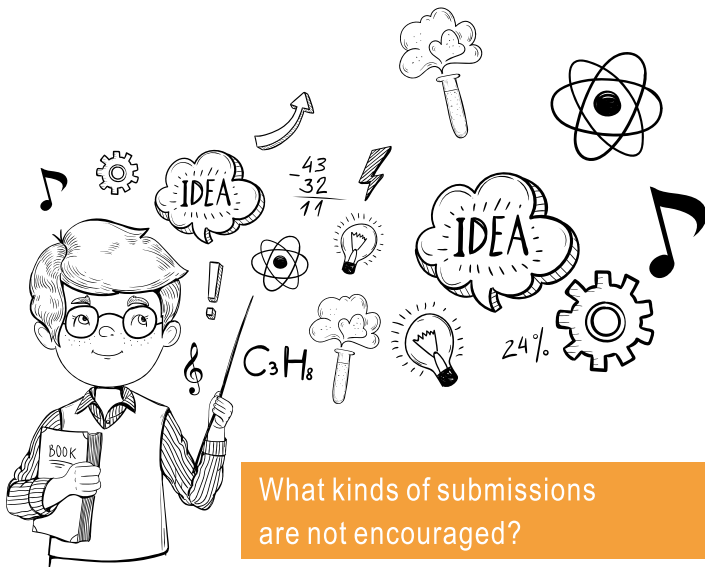


Can students of all educational boards (national and state) participate in the competition?

Yes, students irrespective of their educational board (national and state) can participate in the INSPIRE AWARDS-MANAK scheme.

What is the contest period?

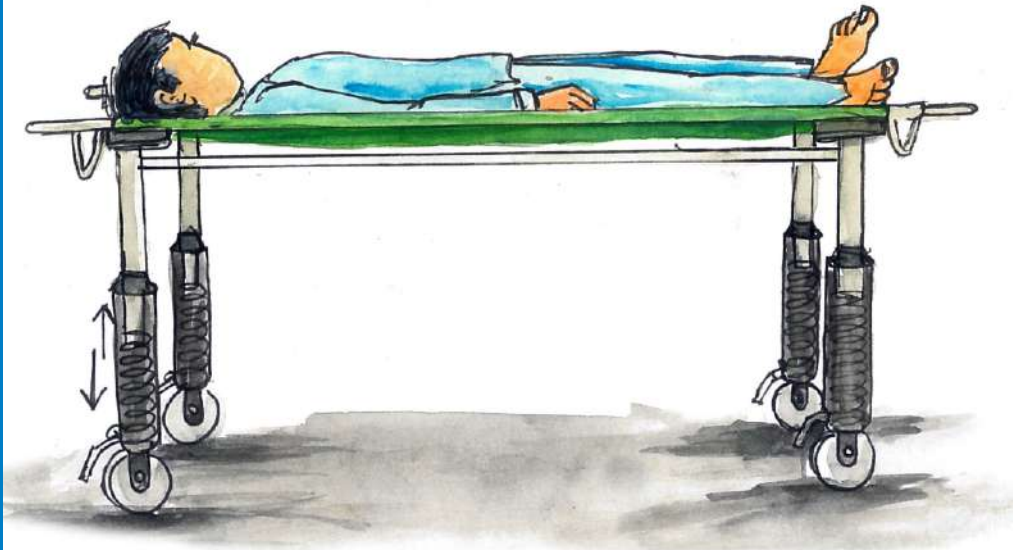
For nomination period and other updates please visit INSPIRE-MANAK web portal (www.inspireawards-dst.gov.in)



What kinds of submissions are not encouraged?

As the aim of this scheme is to promote original and innovative thinking among school students, project ideas from textbooks, Do-It-Yourself books/ Websites, other student competitions, etc. should NOT to be submitted. Projects simply demonstrating Physics, Chemistry, Biology or Mathematics concepts/theories are also NOT to be submitted. Common ideas/projects like hydel power projects, rain water harvesting, water level indicator, vermi compost/vermin wash, letter box alarm, using turbines to generate energy, electricity generation through waste batteries/ dung /transport/wave or earthquake alarms, etc. may also be NOT submitted.

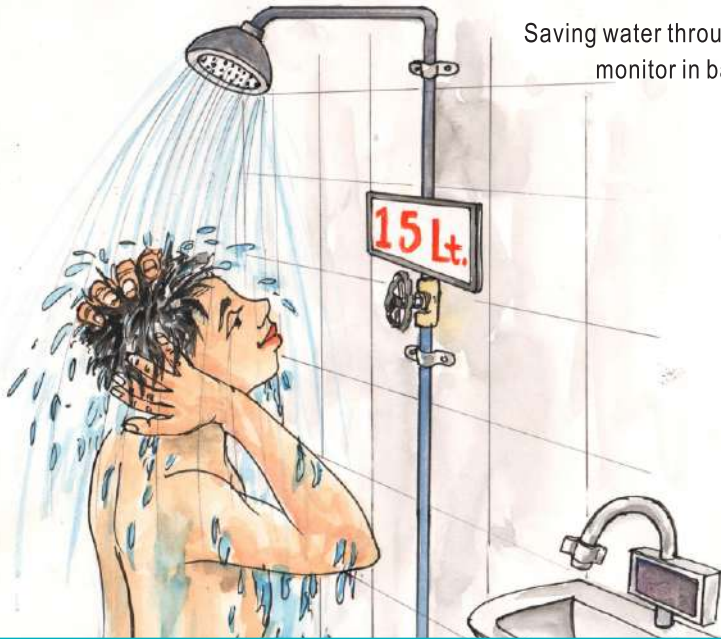
Children should be encouraged to come up with creative ideas on their own. Parents or teachers may propose a problem to the child or help in converting his/her idea into a prototype/model but NOT suggest the idea themselves. The teachers may also look up the web link below to check if the projects being developed by their wards have been not recognised already. This will help ensure originality and maintain the standard of the competition. (http://www.inspireawards-dst.gov.in/User_P/inspire-downloads.aspx)



What is the process of getting idea/innovation from the school students?

The principal/headmaster of the school will call for submission of ideas in the form of synopsis from the students of the designated classes and age groups. For this purpose, an Idea Competition can also be conducted in Schools.

What is an Idea Competition?



Saving water through usage monitor in bathrooms

18

The Idea competition can be organized by assembling students and enabling them to think of an idea/innovation related to:

- A] Machine or a gadget, which is not available but the students desires to have such a machine or a gadget
- B] Improvement required in any existing/available machine or gadget, so that it becomes multi-functional, improves efficiency or output, reduces drudgery etc.
- C] An idea to solve a local technological problem, which a student may be seeing everyday around him/her.

After the students have thought of idea(s), they may note them down on a piece of paper and submit it to the Principal/ Headmaster/Teacher. The submitted ideas may be reviewed at the school level and shortlisted ones submitted for INSPIRE AWARDS-MANAK online through the E-MIAS portal as per the process described above.

Is there any limit to the number of ideas submitted by the students?

No, the students are encouraged to submit as many innovative ideas as they wish to the school.

How will the Principal/Headmaster submit the nominations?

All nominations be submitted online by the Headmaster/Principal through E-MIAS (E-Management of INSPIRE Award Scheme) portal on www.inspireawards-dst.gov.in. New/or unregistered schools may also register themselves on this portal.

How will the screening and shortlisting be executed?

The selection criteria will be based on novelty, creativity and originality of the ideas/innovations submitted by the students. DST/NIF will ensure that there is due representation of girl students and SC/STs.



Porter payment calculating device

Foot-operated door opening mechanism



What should the Principals and Jury members bear in mind while selecting ideas/innovations?

The degree of novelty of the idea, its social applicability, environmental implications, potential impact, scope for diffusion through commercial and/or non-commercial channels, relevance to existing government schemes etc. may be considered.

Are any photos, videos, sketches of the idea/innovation required?

Yes, if available. These would help the reviewers to properly understand and evaluate the submission.

Things to be taken care of while nominating student ideas

1. All fields have to be properly and carefully filled on the E-MIAS portal.
2. The personal and bank account details of the student (including IFSC code and account number) should be rechecked.
3. Student name and Name in Bank account should exactly match.
4. In the title of the project, a suitable title describing the project should be given (for example “A device to climb Areca nut trees”, “An assistive walking aid for the elderly” etc.) and not a broad theme like Agriculture, Swachh Bharat, Swasth Bharat, Digital India, etc.

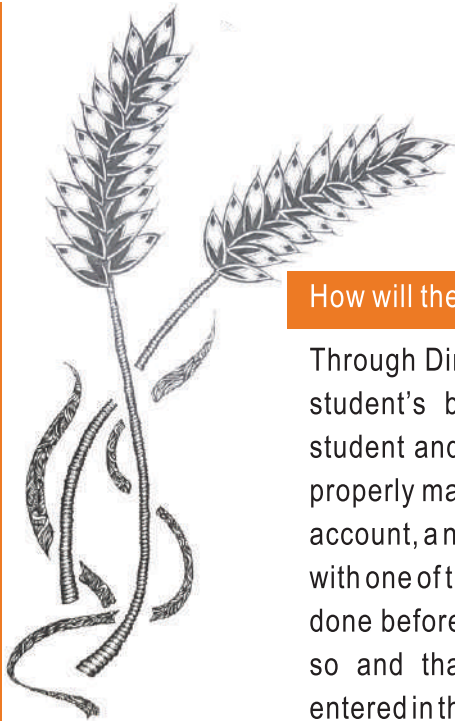
How to write correct title and summary

In the Summary of the project, the following points need to be included – what is the project about, what problem it addresses, and what the advantage is. Please see the example below.

Title of the Project : Travelling bag with folding seats

Project Summary : Many a times travellers have to stand while waiting for a bus or train at the bus/train station as the number of seats available are few. The student has developed a travelling bag where a folding seat has been incorporated. This can be unfolded and used for sitting while waiting for the bus/train thereby eliminating the discomfort while standing for long time. It will be especially useful for ladies and elderly.

Other documents, if available, may be uploaded.



How will the award money be disbursed?

Through Direct Benefit Transfer (DBT) scheme in student's bank accounts. Hence the name of student and the name in bank account should be properly matched. If student does not have a bank account, a new individual account or a joint account with one of the parents may be opened. This may be done before the submission of nomination details so and that complete and correct details are entered in the nomination form by the school.

What are the various activities that will be undertaken in the regional and mentoring workshops?

In the regional workshops, organised prior to the submission of entries for the competition or during the submission period, the participants (comprising teachers, principals, district and state-level functionaries) will be updated about the INSPIRE Awards MANAK scheme and sensitised about the need for inculcating innovative and original thinking in our students.

In the mentoring workshops at various R&D and engineering institution organised before the national level event, the focus will be on teaching the students basics about prototype development and improving the quality of products displayed at national-level exhibition. The students will learn through their interactions with engineering/design students and faculty of institutions.



inspire awards manak

Million Minds Augmenting
National Aspiration and
Knowledge

INSPIRE AWARDS - MANAK

Department of Science & Technology
Ministry of Science and Technology, Govt. of India,
Technology Bhavan, New Mehrauli Road, New Delhi - 110 016,
Tel : +91 11 26590500 / 26590642
Email : inspire.awards@nic.in, www.inspireawards-dst.gov.in

National Innovation Foundation - India

Autonomous Body of the Department of Science
and Technology, Govt. of India
Grambharti, Amrapur, Gandhinagar-Mahudi Road,
Gandhinagar- 382650, Gujarat
Tel: + 91 2764 261131/32/38/39, Fax: +91 22 39167115
email: inspire@nifindia.org, web: www.nif.org.in
For inquiry contact 09638418605