

DELHI PUBLIC SCHOOL, ROHINI

INSPIRE Awards-MANAK 2021 – 22

VI – X

'Innovation in Science Pursuit for Inspired Research' (INSPIRE) scheme is one of the flagship programmes of Department of Science & Technology (DST), Government of India. The INSPIRE Awards - MANAK (Million Minds Augmenting National Aspirations and Knowledge), being executed by DST with National Innovation Foundation – India (NIF), an autonomous body of DST, aims to motivate students in the age group of 10-15 years and studying in classes 6 to 10.

The objective of the scheme is to target one million original ideas/innovations rooted in science and societal applications to foster a culture of creativity and innovative thinking among school children.

The ideas that may be submitted by students are as follows –

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

Students may follow the scheme given below to submit their project idea –

1. PROJECT TITLE –

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, Swatcha Bharat, Swastha Bharat, Digital India, etc.

2. PROJECT SUMMARY (not exceeding 300 words)–

Brief description about the project and principle

Problem it addresses

Advantages

SAMPLE –

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 that may be submitted along with the synopsis –

- Photographs of the model
- Video of the model

For **more details**, please click on the following link <http://www.inspireawards-dst.gov.in/download/manual/Title-Project-Synopsis-Eng.pdf>

As the aim of this scheme is to promote original and innovative thinking among school students, common ideas/concepts of textbooks/others, which includes: energy generator, generation of electricity through turbines/waste batteries/ dung/ transport/ wave etc. rain water harvesting; earthquake; soil erosion; water level indicator; alarms-burglar alarms, gas alarms, fire alarms etc; vermicompost/vermin wash; letter box farm; conversion of wind energy, solar energy to electricity; hydraulic lift; drip irrigation; vacuum cleaner; RFID and sensor based readymade projects; automatic on/off of street light; smart city; essay on topics; demonstration of volcanic eruption; food adulteration; carbon cycle/ water cycle; food chain; eco system; photosynthesis; zoo model; kitchen garden; model on human body parts; solar system; planet; earth movement; general methods of water filtration; self-watering system for plants, etc. should NOT be submitted for the same.

The students may also look up the web link below to check if the project being developed by them has been not recognized already. This will help ensure originality and maintain the standard of the competition. (<http://www.inspireawards-dst.gov.in/UserP/inspire-downloads.aspx>)

Parameters for judgment while selection and shortlisting of submitted ideas for nomination –

- degree of novelty of the idea
- social applicability
- environmental implications
- potential impact
- scope for diffusion through commercial and/or non-commercial channels
- relevance to existing government schemes

The students must submit their synopsis at deeksha252@dpsrohini.in mentioning the following details –

Full name

Class/ section

Phone number

Email ID

Guide Teacher's Name

File type should be PDF / JPG / JPEG and Word format. The file size should not exceed more than 2 MB.

Last date for mailing the synopsis: Friday, 20 August 2021

PS: The student must have his/her **own bank account**, the details of which will be asked for, in case selected for online nomination, for future disbursement of award money, if applicable.