

List of common ideas/innovations that have already been submitted to INSPIRE - MANAK several times earlier.

It is to be understood that INSPIRE MANAK is a Science and Technology-based Innovation competition, NOT a Science Project competition. Hence, the projects that merely demonstrate basic Physics, Chemistry, Biology, or Mathematics concepts or theories should NOT be nominated. Other projects, including those sourced from textbooks, "Do-It-Yourself" books or websites, or those that have been part of other student competitions, should not be nominated as well.

Teachers are also advised to review the following list to ensure that common ideas or those previously submitted to the INSPIRE MANAK are not resubmitted.

Water-Related Common Projects

- Rainwater Harvesting (Varsha Jal Sangrahan/Sanchayan)
- Water Purification / Filtration (Low-cost methods for rural areas, Natural Water Purifier)
- Water Conservation (Jal Sanrakshan, Pani ka Bachav, Water Level Indicator)
- Wastewater Treatment / Sewage Treatment Plant
- Drip Irrigation / Automated Irrigation System (Smart Irrigation, Soil Moisture Sensor-based Irrigation)
- Hydroponics / Farming Without Soil / Agriculture Without Soil
- River/Water Body Cleaning Boat
- Water Tank Cleaning Machine

Energy Generation & Conservation

- Wind Energy / Windmill (Pawan Chakki, Wind Energy Project, Vertical Axis Wind Turbine)
- Solar Energy (Solar Cooker, Solar Light, Solar Power Irrigation System, Solar Tracking System, Solar Auto, Solar Ironing Cart)
- Electricity Generation from Waste (Generating Electricity from Trash, Waste to Energy)
- Bio Gas / Gobar Gas Plant
- Footstep Power Generation / Speed Breaker Electricity Generation
- Tidal Energy
- Gravity Battery
- Automatic Energy Saving Systems (using LDR/temperature)

Smart Home & City Solutions

- Smart Street Light / Automatic Street Light
- Smart Home Automation System (Voice Enabled, Fingerprint-based door locking)
- Smart City concepts
- Automated Plant Watering System
- Automatic School Bell System

- Touchless Doorbell
- Smart Parking System

Safety & Security Systems

- Burglar Alarm / Home Security System / Laser Security System
- Fire Alarm / Automatic Fire Extinguisher / Fire Fighting Robot
- Rain Alarm / Rain Detector with Automatic Window/Clothes Shelter
- Earthquake Alarm / Earthquake Detector / Bhukamp Chetawani Yantra
- Gas Leakage Detector / LPG Gas Leakage Detector
- Smart Railway Crossing / Automatic Railway Gate Control System
- Lightning Conductors

Human Systems & Models

- Heart / Human Heart / Heart Working
- Kidney
- Respiratory System / Human Respiratory System / Working Model of Lungs
- Digestive System / Manav Pachan Tantra
- Excretory System / Utsarjan Tantra
- Brain Working Model
- Neuron Working Model

General Science Concepts

- Photosynthesis / Prakash Sanshleshan
- Food Preservation
- Potato Battery
- Amiba (Amoeba)
- Cell
- Yeast Reproduction
- Pesticide
- Herbal applications
- Electric Circuit / Electric Current / Vidyut
- Electromagnet
- Electroscope
- Periscope
- Microscope Model
- Pinhole Camera Working
- Types of Motion
- Gravity
- LIFI (Light Fidelity)
- Wireless Technology
- Working Model of Variable Resistors

- Working of Electrical Transformer
- Solar System / Saurya Mandal
- Universe
- Chandrayaan Three / Chandrayaan
- Satellite
- Eclipse

Submission of General Concepts, Essays or Simple Write-ups

- Smart Dustbin / Smart Bin for Waste Management / Automated Waste Segregator
- Best Out of Waste (Upcycling/Recycling)
- Biodegradable Products (Biodegradable Mud Pot, Eco-Friendly Dhoop)
- Greenhouse Effect / Greenhouse Climate Control
- Medicinal Plants / Medicinal Herbs
- Food Adulteration Detection
- Global Warming
- Acid Rain
- Biodiversity
- Paryavaran Sanrakshan (Environmental Protection)
- Swachh Bharat Abhiyan (Clean India Campaign)
- Volcanic Eruption
- First Aid
- Eco-Friendly House
- Building a Circuit to Automatically Water Your Plants

Ideas/Innovations that have already been recognised but are being resubmitted repeatedly

- Smart Helmet (for safety, construction workers, Smart Safety Helmet)
- Smart Walking Stick / Multi-featured Walking Stick / Smart Blind Stick / Ultrasonic Blind Walking Stick
- Adjustable Walker / Modified Walker with Adjustable Legs / Innovative Walker
- Crutch with Shock Absorber
- Travelling Bag with Folding Seat
- Mobile Charging Shoes
- Bed with Toilet
- Patient Stretcher with Shock Absorber
- Smart Wheelchair
- Smart Glasses for Blind People
- Anti-Sleep Alarm / Driver Sleep Control System
- Sanitizer / Sanitizer Mask
- Sealing Dust Catcher with Umbrella / Dust Catcher with Umbrella
- Smart Shopping Cart
- Multipurpose Umbrella
- Voice-enabled Home Automation System

- Floating House
- Paddy Filling Machine
- Grass Cutting Machine / Multipurpose Grass Cutting Machine / Solar Grass Cutter
- Coin-based Mobile Charger
- Homemade Cockroach Spray
- Eco-Friendly Cooler
- Mini Medicinal Fridge
- Washing Machine (Pedal Operated, Rain Protected Washing Clothes)
- Digital Glucose Stand / Teslasmart Glucose Stand
- Sanitizer Mask
- Health Monitoring System (Android-based, Smart Wrist Band for Elderly)
- Women Safety Device / Mahila Suraksha Upkaran
- Women Safety Bag / Women Safety Pen / Self Defense Pen for School Girls
- Women Protection System with Shock
- Safety Bangle or Watch for Girls
- Chloroform Injector for Women Safety
- Nail Polish which indicates drugs/alcohol in drink

Note:

1. Incremental innovation, which involves a certain degree of novelty, on any of the ideas above, may be considered for nomination.
2. In addition to the above-mentioned list, schools should also conduct web searches to verify the **originality** of each idea/innovation when shortlisting student ideas for INSPIRE-MANAK. All nominated ideas should be evaluated based on **novelty, social relevance, potential impact, and scalability**.
3. For a comprehensive understanding of ideas and innovation, teachers can refer to the "Teachers' Handbook for Nurturing Students' Ideas/Innovations," available on the official INSPIRE MANAK website (<https://inspireawards-dst.gov.in/download/others/Teachers-Handbook-for-nurturing-students-English.pdf>).

In case of any ambiguity feel free to contact us on our helpdesk no. 0120-2400083, 096384 18605 or email us on inspire@nifindia.org INSPIRE -MANAK Team