

CSIR Innovation Award for School Children 2012

In order to enhance creativity amongst school children, CSIR announced Diamond Jubilee Invention Award for School Children on 26 April, 2002 the day celebrated as WORLD INTELLECTUAL PROPERTY DAY throughout the world. The objectives of this competition are to capture creativity and innovativeness amongst school children and create awareness about IPR. In the year 2011 the award was renamed as 'CSIR Innovation Award for School Children'.

During the last eleven years, 4181 proposals were received for these Awards from various parts of the country and 66 inventions/innovations were selected for various prizes by a High Level Selection Committee.

For the year 2012, only six innovations were selected, from 487 proposals received, out of total number of thirty prizes to be given. The winner gets a cash prize, trophy and a certificate. In the year 2012, **No first prize** is being given.

SECOND PRIZE (₹ 50,000/-)

Srishti Jain
Vatsal Sharma
Yash Bansal

Class: 12th

School: DLF Public School, Ghaziabad

Title: **ADIA-COOL**

(Air Conditioner)



ABSTRACT: This innovation utilizes the idea of cooling the air adiabatically by continuous expansion and accordingly has devised a model of air conditioner that does not use CFCs. The devised air conditioner is eco friendly and cost effective.

THIRD PRIZE (₹ 30,000/-)

R.G. Janani

Class: 7th

School: Kendriya Vidyalaya, No. 2, Kalpakkam, Tamilnadu

Title: Universal Kitchen Machine

ABSTRACT: This innovation relates to motorized portable, user friendly, economical, a multi utilitarian kitchen machine for utensils cleaning with extended kitchen applications like mixing, churning, battering, scraping. This device will protect workers hands from roughness, wet sores, nail infection and will reduce the drudgery of cleaning utensils. This device is cost effective and will replace the bulky, high energy consuming and expensive dish washer.



FOURTH PRIZE (₹ 20,000/-)

Rohan Ch. Das

Class: 9th

School: Little Flowers' School, Nalbari, Assam

Title: Conversion of Energy by Applying Playway Method in Schools

ABSTRACT: This innovation employs the optimization of mechanical energy of swings and cycle in the school and converting it to electrical energy which can be used to run fans and for charging the rechargeable batteries of mobiles, digital cameras, remote control and torch lights. This innovation is effective in remote villages where still no electrification is done.



FIFTH PRIZE (₹ 10,000/-)

Pritam Chhetri

Class: 12th

School: Birpara High School, Jalpaiguri, West Bengal

Title: A Safety System for Gas

ABSTRACT: This innovation provides the design of a safety system for the detection of unexpected domestic gas leakage which works on the basis of Pascal's theory. The device consists of volt cell, piston, motor, speaker, lead key & lock, copper and aluminum plate, small iron rod and aluminum pipe which further consists of movable aluminum ball, connected with the gas regulator which becomes active only after the lock is open. The leakage of gas can be detected and prevents blast of gas cylinder.



Nishant Rajesh Dugad

Class: 8th

School: L.V.H Academy, Nasik, Maharashtra

**Title: Magic Irrigation - To Save Electricity,
Manual Power and Energy**



ABSTRACT: This innovation relates to a device for irrigation that can save electricity, manual power and energy. In this innovation, a hand pump attached with the see-saw is kept in the tub filled with water. When the see-saw goes down on one side, the pump half dipped in water creates air pressure in the hand pump that brings the water into the pipe which can be used for watering the plants. There is also a ball valve near water tank which is used when plants do not need water.

Anjaney Kumar Abhishek Anand

Class: 11th

School: Jawahar Navodaya Vidyalaya, Saharsa, Bihar

Title: Magnetic Goggles for Handicapped



ABSTRACT: This innovation provides a magnetic spectacle useful for both arm amputated person for reading and turning the pages of a book. This spectacle comprises of simple attachable and detachable magnets at the side of the frame which will be attracted towards the iron foil pasted on the edge of the book.

