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PROF. VIRENDRA KUMAR TEWARI DIRECTOR, IIT KHARAGPUR

Albert Einstein once said that the "true sign of intelligence is not knowledge but imagination." One can go on learning facts and figures, but unless one uses one's imagination to see how these facts and figures add up to make the big picture, one can never claim to have learnt anything. In other words, we have to look beyond the classroom, and try to use the knowledge gained in the class to make a difference to our own lives. I am very happy to note that the Young Innovators Program of IIT Kharagpur is encouraging this habit of critical thinking among school children. Imagination comes naturally to children, whose minds are often unfettered by the realities that adults have to deal with. YIP helps them to use their power of imagination to make changes in their own lives and those of others around them. Children are thus encouraged to think about the larger society and be more engaged creatures. This engagement is bound to make them more conscientious learners. As they grow up, they will reap the benefits of this learning by being better human beings and better citizens.



PROF. BAIDURYA BHATTACHARYA

DEAN, INTERNATIONAL RELATIONS IIT KHARAGPUR

Our history on this planet is a story of innovation and interventions. The growth of complex language among the hunter gatherers roaming the plains of East Africa some 70,000 years ago gave us for the first time the ability to tell stories, to communicate in larger groups, to plan for the future and to spread information across time and place. We now call this the 'Cognitive Revolution'. Humans spread out of Africa and began the process of conquering the planet, and revolutions never stopped. Around 12,000 years ago, the 'Agricultural Revolution' brought about new concepts like the written script and money, but with the rise of large settlements, came new worries like communicable diseases.

The pace of innovation quickened. About 400 years ago, the 'Scientific Revolution' gave us a new paradigm that knowledge comes through meticulous experimentation and the observation of the world large and small. Seeds of modern medicine, mechanics, physics and chemistry were planted. This age also gave rise to the horrors of colonization and slavery. The 'Industrial Revolution' followed some 150 years later, and again led to sweeping changes in human interaction and social relationships. New professions came up, as did new ways of exploiting the vulnerable.

The 'Communication Revolution' that started 125 years ago with the discovery of the telegraph and the telephone, brought the world closer like never before with vacuum tubes and radio and television. And around 25 years ago, the 'Internet Revolution' brought in sweeping changes through distributed networks and processors that completely changed the way humans accessed information and communicated with each other. The unintended consequence, as we now know too well, came in the form of divided attention and fake news.

Our story on this planet is thus one of facing new challenges, devising new solutions and moving on to the next challenge. On the whole, these innovations have brought enormous benefits to humankind, but sometimes they have also brought unint ended consequences. Today's greatest challenges are the threats to the environment and human well-being. I am sure that we will find our way out of these as well. The Young Innovators Program of IIT Kharagpur is our way to spur this consciousness among the youngsters who are our future.



PROF. ANANDAROOP BHATTACHARYA ASSOCIATE DEAN, INTERNATIONAL RELATIONS

The Young Innovators Program of IIT Kharagpur, in its three years of existence, has been able to establish itself as a flagship event of this country for high school children. The event is a showcase of the enormous talent that the children of this country have in terms of their ability to think beyond classroom lessons and come up with innovative ideas to solve relevant and pertinent problems. The projects and exhibits belie the age of these young minds. The desire to push the boundaries of their imagination and the urge to do something useful and relevant to society have left us mesmerized. I wish this event keeps growing as the years go by and spread its wings across the country and beyond.

IIT KHARAGPUR

ABOUT YIP

Young Innovators Program is a platform to foster young minds with scientific enthusiasm and a credo to solve the problems facing the globe. This program is an attempt of IIT Kharagpur to recognize students with the creative ability to conduct scientific research. Student innovators from classes 8 to 10 participated in YIP 2019, presenting their ideas on diverse themes: Energy And Environment, Health and Cleanliness, Hardware Modelling, Financial Inclusion, Product Designing, and Disaster Management.

IIT Kharagpur Young Innovators Program 2019 was conducted in four rounds. The first two rounds were online. The top 33 teams were invited to IIT Kharagpur for the semifinal round and had to demonstrate their models in front of the IIT Kharagpur faculty. The novelty, feasibility and sustainability of the models were the prime criteria for selection.

The third edition of YIP was a huge success, reaching out to 1200+ schools. The students of IIT Kharagpur made every effort to spread the word about YIP across the nation and were successful in enlisting the participation of 2400+ students from all over India. YIP has now become recognized the world over as an innovation competition. Teams from Singapore, UAE, Indonesia, Malaysia, and Saudi Arabia participated in the event in 2019, and some of them successfully made it to the semi-finals. In a three day visit to IIT Kharagpur, students got a chance to explore the scientific environment within and an opportunity to present their models in front of distinguished researchers and guests.

STAGES OF THE EVENT



- Selection based on an abstract of the project submitted
- Selection criteria: Novelty, approach, and background of the project
- Model: Online Submission



- Selection based on a short synopsis of the project (along with a short video of the working model)
- Selection criteria: Cost-effectiveness and sustainability of the project
- Model: Online submission



- Selection based on model demonstration, presentation and background research done
- Selection criteria: Feasibility, frugality, and presentation
- Model: Model demonstration at IIT Kharagpur



- Selection based on commercial feasibility assessment and enthusiasm of the students for bringing the idea to practice
- Selection criteria: Business feasibility
- Model: Oral presentation at IIT Kharagpur

WORLD-WIDE DISTRIBUTION



SELECTION PROCEDURE FOR YIP

ROUND - 1

The teams submitted an abstract of their project ideas briefing the scientific proposal based on the chosen theme. There were over 700 submissions for the first round.

A total of 150 teams were selected for the second round. The teams selected for the second round submitted a full-fledged description of the project along with cost and sustainability analysis.

ROUND - 2

ROUND - 3

A total of 32 teams were selected for the third round of Young Innovators Program 2019. The teams selected were invited to IIT Kharagpur for the demonstration of their projects. These projects were evaluated by IIT Kharagpur faculty based on their feasibility and sustainability.

The final round was an oral presentation round. The top 6 teams made detailed presentations and presented in front of select faculty from IIT Kharagpur. Based on the business feasibility of the projects, the top 3 teams were declared the winners of the Young Innovators Program 2019.

ROUND - 4

WINNERS



KIIT INTERNATIONAL SCHOOL BHUBANESWAR

1ST RUNNERS-UP



BHARATIYA VIDYA BHAVANS PUBLIC SCHOOL HYDERABAD, TELANGANA

2ND RUNNERS-UP



BRAHM PRAKASH
D.A.V SCHOOL
HYDERABAD, TELANGANA





AN EXPERIENCE OF IIT KGP



"YIP is technically very sound.
The young engineers to be are absolutely wonderful. The bus facilities are excellent, the food is something to enjoy."

- Mr. Bijoy Mathur, Project Coordinator, KiiT International (Winner of YIP 2019).

"We feel very honoured because we came from 800 teams to 32 teams and even if we don't win, no problem"

Kriyative Bhavanites, Bharatiya
 Vidya Bhavans Public School,
 Hyderabad (1st runners-up).





"This competition did not really feel like a competition. It was rightly interspersed with all types of programs like robotics, the visits to the Chemistry and Physics lab and other places."

- Precocious Pioneers, Bhavans, Abu Dhabi.



"We are from a rural area in Visakha district... Here we have interacted with so many international schools and also national schools like DPS. We also feel proud to participate amongst them."

– Teacher, Z.P.H.SCHOOL, D.L. PURAM (village), Visakhapatnam (semi-finalist).



"We are a project based school and work on real time problems which the children see at home or school or the neighbourhood and try to devise sustainable solutions. For us we need platforms like this where kids can showcase their work... I like the way the students of IIT Kharagpur have taken up the responsibility for organizing and conducting this program."

Principal, Mrs Vijaylakshmi Sivalenka,
 Keystone School, Hyderabad.

BHARATIYA VIDYA BHAVANS PUBLIC SCHOOL HYDERABAD, TELANGANA



The team made a much-needed attempt to reduce harmful emissions from vehicles entering the atmosphere through a cost-effective filter using coconut shells, corn cobs, and activated charcoal. All these materials are kept inside a steel canister along with a metal wire mesh. The canister is fitted at the end of the smoke pipe of the vehicle. Smoke enters the canister and its harmful contents are filtered once it passes through the powdered corn cob and activated charcoal, thus emitting less polluted air into the atmosphere. A very smart and easily executable attempt to reduce emissions from vehicles.

DDMS P.OBUL REDDY PUBLIC SCHOOL HYDERABAD, TELANGANA



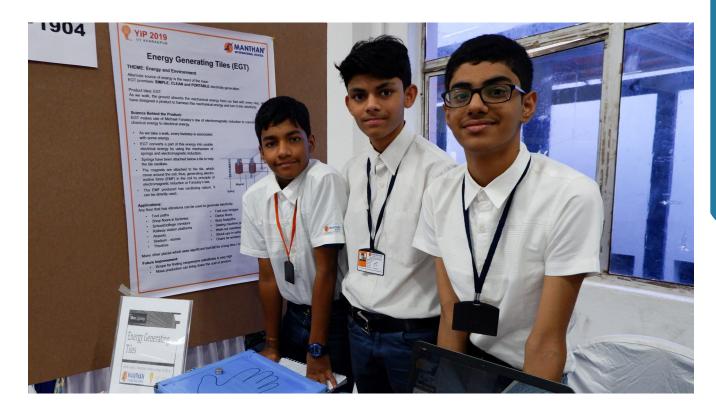
Using a simple principle of electricity generation from the relative motion between the high-velocity wind and blades of a turbine installed on the roof of trains, this team provided an innovative solution for tackling the problem of clean energy generation. The project aimed at saving money spent on the extraction of coal and petroleum, and reducing the emission of harmful gases like carbon dioxide and sulfur dioxide into the environment.

DELHI PUBLIC SCHOOL (DPS) INDONESIA



The project attempts to construct low cost soak pits for recycling used domestic water and percolate it into the water table to enhance the water table. These soak pits can offer a cost-efficient opportunity for the partial treatment of waste and a relatively safe way of discharging it into the environment and recharging groundwater bodies. Soak pits can be manually excavated into the ground and multiple layers of sand, stones, palms can be added. These layers will purify domestic wastewater and let it seep into the water table.

MANTHAN SCHOOL HYDERABAD, TELANGANA



Their model was based on induction current and showed that inexpensive products can be used to eradicate the energy crisis. It consists of spring, coil, magnets, electrical equipment and Epoxy. This model is based on Faraday's law. When a magnet is moved into a coil of wire, changing the magnetic field and magnetic flux through the coil, a voltage will be generated in the coil. Some of its applications are self-powered sewing machines, self-lighting dance floor, and can be used to charge mobile phones, etc.

T.B.R.A.N.'S MUNDLE ENGLISH MEDIUM SCHOOL NAGPUR, MAHARASHTRA



Open Gyms (OGs) are gyms built outside in a public park with all-weather construction. The exercising machines are somewhat modeled on playground equipment. A lot of energy is required for the workout but the energy is simply lost with no outcome. For conserving and harvesting this energy into a productive outcome, the team suggested 'Generator Gym'. The 'Generator Gym' helps to convert the circular movement/oscillatory movement (Mechanical energy) into Electrical energy. It consists of pulleys, circuits, belt, generator and helps in the reduction of coal-consumption.

THE SHISHUKUNJ INTERNATIONAL SCHOOL INDORE, M.P.



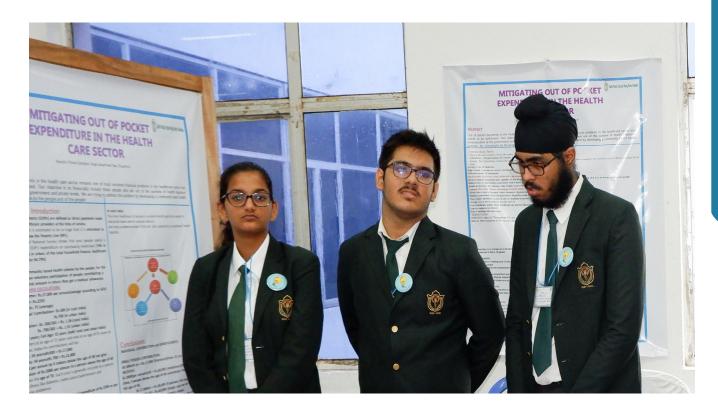
The team suggested 'Organic treatment of RO wastewater' in a method that is cost-effective and easy to set-up. The purification is done through tanks filled with Azolla, dried banana, lemon peels, activated charcoal, powdered Moringa seeds and coconut husk. RO wastewater is collected in a tank via pipes which are put into another tank containing a bed of Azolla. For around 24 hours the roots of the Azolla plant absorb the heavy metal from this wastewater. The water is then transferred to another tank containing banana peels, and finally to the tank containing coconut husk that acts as a barrier for any solid impurity. The muslin removes remaining solid impurities or coconut fibers. After this process, purified water with significantly less TDS is obtained.

DELHI PUBLIC SCHOOL RUBY PARK KOLKATA, WEST BENGAL



Team Sakhi suggested a Biodegradable Sanitary Pad (Sakhi) which is very cheap and made from all-natural materials - like cotton, dry leaves, and coconut husk. Sakhi is an eco-friendly napkin that will help the women in rural areas and at the same time not harm the environment. Sakhi will help them stand up against the taboos that are a major issue in rural areas. When these pads are disposed of, they break down and mix with the soil. This increases soil fertility since peat moss increases the water retention capacity of the soil and improves its texture.

DELHI PUBLIC SCHOOL RUBY PARK KOLKATA, WEST BENGAL



Working on the theme of 'Financial Inclusion', the second team from Ruby Park, Kolkata suggested a community-based health scheme by the people, for the people. The proposal was for the voluntary participation of people contributing a premium of a nominal amount. The team also wanted to put in place a credit card system where the money is never directly handed over to the beneficiaries. The card issued is to be directly used at the point of sales. This is done keeping in mind the societal problems of rural India like dependence on alcohol, wastage of money by the male members and so on.

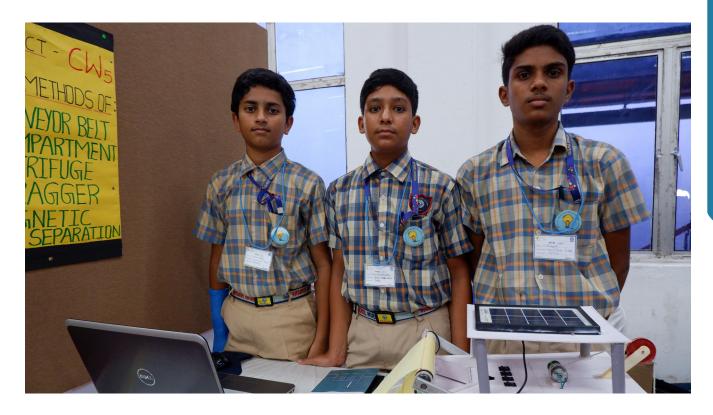
ST. COLUMBA'S SCHOOL NEW DELHI



The main features of a Smart City include a high degree of information technology integration and comprehensive application of information resources. The explosive growth of Smart City and IoT applications create many scientific and engineering challenges that call for ingenious research efforts from both academia and industry.

Based on the theme of Hardware Modelling, the Zodiacs presented a Smart City model that uses Smart Hover Buses that hover above traffic, Smart parking systems with Smart locks that can be operated very easily, and Smart homes which save electricity.

VASAVI HIGH SCHOOL E/M NIRMAL, TELANGANA



Based on the theme of Product Design, Team 'Prithvi' presented a water cleaning device that can take care of five types of pollutants in water. A fairly simple project but the groundwork is excellent. There is a conveyor belt, a magnet, a slagger, etc in this device which helps to clean water in a more effective manner. Cost analysis is done very effectively, which also makes it a feasible product.

AMITY INTERNATIONAL SCHOOL SAKET, NEW DELHI



The project aimed at portraying how AI can help identify biological beings. The team utilized Artificial Intelligence to identify species of different flowers based on the measurement of four different traits - sepal width, sepal length, petal width and petal length. It applied AI algorithm like Principal Component Analysis and Linear Discriminant Analysis for a more accurate result.

NAVY CHILDREN SCHOOL PORBANDAR, GUJARAT



The project aimed at protecting Earth from plastic pollution that is increasing day-by-day. The team made use of the ability of Ideonella sakaiensis bacteria to consume polyethylene terephthalate (PET), the main material of plastic, in only six weeks. These bacteria need to consume PET for their metabolism. As a result, the problem of plastic waste can be solved effectively without damaging the environment.

BRAHM PRAKASH D.A.V SCHOOL HYDERABAD, TELANGANA



They have developed ASTRON, a telescope for exploring space galaxies to carry out scientific research. The team developed it by using 7 plane mirrors in a honeycomb structure to capture bright and high-quality image. Each mirror is hexagonal in shape. The central mirror is fixed and the six side mirrors can be adjusted. They proposed to superimpose all seven images of the object for brighter and clear quality images. The telescope uses the concept of the working of a concave mirror and superimposing of images. It is cost-effective and most of the materials used are eco-friendly.

ST. ARNOLD'S SCHOOL ROURKELA, ODISHA



The study aimed to develop a bioplastic film from yam starch (Dorceasea) using glycerol as a plasticizer and bentonite as reinforcement. Later banana peel and eggshells are added as reinforcements. The bioplastic films obtained are characterized by their mechanical strength. The team also analyzed the behavior of this film in alkali, acid and salt. Since the film could be used to replace synthetic plastic in packaging, the water vapor transmission rate was estimated. Soil degradation was also performed to confirm the biodegradable nature of the film. The increase in bentonite concentration had an impact on the properties of the film.

PRIVATE INTERNATIONAL ENGLISH SCHOOL ABU DHABI, UAE



The project aimed at reducing energy consumption and carbon footprint by reducing light pollution that is generated by street lighting. More than 50% of the time, streetlights shed their light on practically no one. The project "iKiok" uses Passive Infrared Sensors to detect movement on the road, brightening the street light when a moving vehicle/pedestrian passes it. At other times, the lights switch to "Sleep Mode", dimming their brightness to about 25% of their original brightness. "iKiok" (De-light) system could save about 40% of the power consumed for street lighting in India today.

SANGHAMITRA SCHOOL KUKATPALLY, TELANGANA



Their project 'Grow it' is a multi-level food manufacturing unit designed to combine agriculture and fishery to produce food for both vegetarians and non-vegetarians without using harmful fertilizers. 'Grow it' produces the food in a greenhouse with minute and automated surveillance of the quality and growth of plant and aquatic life. The motive is to produce cheap, nutritious, fresh and affordable food for people who do not have access to adequate food for survival and to help people during droughts and famines.

SANSKRITI SCHOOL NEW DELHI



Under the theme 'Hardware Modelling', the team developed 'Glexa', which is an innovative voice assistant that is a mix of Google's Google Assistant and Amazon's Alexa. Made using Raspberry pi and a microphone, the main motive behind the product is to reduce the manual effort used to operate modern electronic devices through the use of voice recognition patterns.

RIDGE VALLEY SCHOOL NEW DELHI



'Mr. BOT' is an autonomous cart-based device that can help people do hasslefree shopping. It is useful for the differently-abled population who can have the shopping cart, with a touch and voice activated smart screen, follow them through the mall and save them the trouble of trudging with loaded shopping carts. Automatic bill preparation of the contents of the cart, GPS navigation, and voice-enabled directions are other features. The cart, when put back in place, pays Rs 10 to the person doing the job, thus helping the unemployed as well.

WWA COSSIPORE ENGLISH SCHOOL KOLKATA, WEST BENGAL



They developed a system that can help us save electricity by switching the lights off based on the commands provided or even by the presence or absence of a person in the room. For every person entering and leaving the room, the microcontroller reads the digital input from two receivers and calculates the number of persons inside the room, and then displays it on the LCD. When the count of people in the room is greater than one, the microcontroller turns on the room light and when the count is zero, it turns off all the lights and fans.

VIKAS -THE CONCEPT SCHOOL HYDERABAD, TELANGANA



The team produced a handheld pollution check device to measure check vehicular pollution on the spot rather than relying on RTA pollution check documents, which often show faulty readings or are manipulated. To monitor the exhaust from vehicles, the device has a sensor connected with a display unit. The usage is easy and instantaneous. This will ensure that the air pedestrians breathe is less contaminated. It will also make it easy for the traffic policemen to check vehicular pollution.

GLOBAL INDIAN INTERNATIONAL SCHOOL, SMART CAMPUS SINGAPORE



They made a dengue protection kit that detects Aedes mosquito and kills it automatically to prevent dengue. The Infrared sensor detects the presence of any object and determines its distance from the device. The camera module takes its picture and an AI software, created using Google Cloud Vision API, uses its colour sensor to identify the unique black and white striped legs of the Aedes mosquito. The sound frequency of the mosquito is detected and mosquito repellant sprayed on it. An LCD screen on the gadget displays the number of mosquitoes killed in 24 hours. The cost of the kit is around Rs 1200.

ST. PETER'S HIGH SCHOOL SECUNDERABAD, TELANGANA



Their project was a Mobile-operated water tap that saves water and avoids wastage due to overflow of tanks or buckets. This GSM based mobile pump controller system can be turned on and off from anywhere in the world through cell phone SMS and returns an acknowledgement message. Arduino is used to take decisions, and the GSM modem sends and receives text SMS and communicates with the user. There is a transistor which drives the relay and the diode protects the circuit from high voltage spikes while switching the relay ON/OFF. There are three LED indicators showing the status of the relay. If the LED glows, the relay is activated and if the LED is off, the relay is deactivated.

N.S.N MEMORIAL SENIOR SECONDARY SCHOOL CHITLAPAKKAM, TAMIL NADU



Working on the theme 'Energy and Environment', the team proposed a way to recycle the water used in the kitchen, used for bathing or for other domestic use. The recycled water can be used for gardening and in washrooms. The water to be recycled is transferred to a tank through pipes where it is first filtered to remove large impurities. Moringa seed paste is added to the tank and is stirred so that its coagulant properties are activated for sedimentation. Once the impurities settle down, the clean water can be reused. This method makes it possible to recycle almost 40% of the water.

CHELLAMMAL VIDYALAYA TRICHY, TAMIL NADU



The team designed a 'disaster management vehicle'. The amphibious bicycle, which is a modified bicycle, aims to save people from drowning during floods before the rescue team arrives. Based on the concepts like the Archimedes' principle and buoyant force, the team constructed a bicycle that can travel both on roadways and on water. They attached four iron rods, PVC pipes of length 6 feet and breadth 3 feet, L-shaped pipes, 12V motor (1000), and used a 12V rechargeable battery.

GLOBAL INDIAN INTERNATIONAL SCHOOL, SMART CAMPUS, SINGAPORE



This second team from Global Indian International School from Singapore designed a sea cleaner with an aim to solve the problem of waste management in the seas, oceans or other water bodies. The remote-controlled device has the ability to remove plastic waste and oil spills on the water surface. The simple mechanical parts make it an easy-to-use and easy-to-repair device.

KEYSTONE INTERNATIONAL SCHOOL HYDERABAD, TELANGANA



With the aim to reduce food wastage across organizations, the team designed an automatic food waste controlling and monitoring system. The device also has an alert system embedded in it and is capable of controlling food wastage by ensuring that the user does not leave food on the plate.

V.P.S. PUBLIC SCHOOL VIJAYWADA, ANDHRA PRADESH



The team designed a Smart helmet to ensure the safety of the rider. This is done by using advanced features like alcohol detection, accident identification, location tracking, and fall detection.

If any of these prime safety rules are violated, the proposed system prevents the biker from starting the bike. For example, the bike will not start if the helmet detects that the biker has consumed alcohol more than the permissible limit. The system also helps in the aftermath of an accident by sending an SMS with the location of the biker to the police station, thereby ensuring that the victim gets proper and prompt medical attention in case of an accident.

FIITJEE WORLD SCHOOL MADHAPUR, TELANGANA



The team designed a product with a view to providing safety to drivers. In the project, an alcohol sensing device is connected to the engine of a vehicle. The driver has to blow into the alcohol sensing machine. If alcohol is detected or detected beyond a permissible limit, the engine will not start. The vehicle will also not move if the seat belt is not worn. There are ultrasonic sensors placed in the front and the back of the prototype. These sensors detect objects that are around the vehicle and alerts the driver with a beep.

JAGRAN PUBLIC SCHOOL LUCKNOW, UTTAR PRADESH



The team came up with an Arduino UNO powered floor cleaner that offers comparable performance for a fraction of the price of commercial floor cleaners. It uses the concept of automated machine learning. This Arduino-based robot can primarily be used in hospitals and other not-for-profit organizations as well as in homes as a cheap alternative to sophisticated floor cleaning appliances which cannot be afforded by everyone.

KIIT INTERNATIONAL SCHOOL BHUBANESWAR, ODISHA



The team came up with a zero power consumption green device to dispense water by foot or bodyweight and operated by a lever mechanism. The dispenser works with a foot/bodyweight operated board which depresses when force is applied. An attached wire pulls the tap lever down, starting the water flow. On the release of the weight, the board springs back and the lever tap spring restores the original position, stopping the water flow. The user could use the water to take a shower, water plants or bathe a guide dog.

DAV MODEL SCHOOL IIT KHARAGPUR, WEST BENGAL



The team came up with a product that helps to keep cities clean, stop garbage bins from overflowing and keep biodegradable and non-biodegradable waste separate. This system helps to monitor the garbage level of the bins and informs garbage collectors to clean the bins via IoT (using nodeMCU), resulting in some quick action that can keep the place clean and hygienic. The bins are also easy to open because of the use of sensors.

JUDGES' PANEL



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"Thank you IIT Kharagpur for organizing such an amazing event and on such a large scale. It was good to see schools participating across the globe. I saw a lot of interesting models, and what is most important is the focus on social challenges." - Dr Sumeet Ahluwalia,

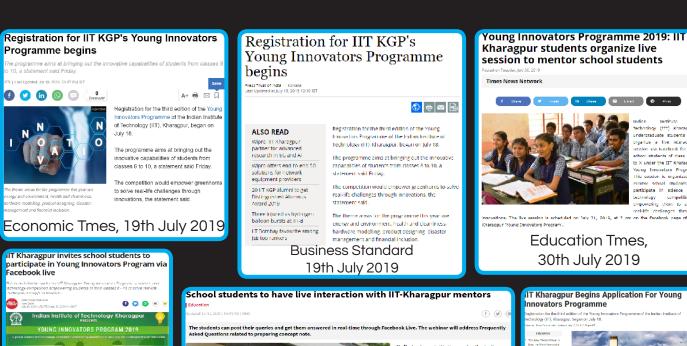
Vice-President, Indegene





"The 'financial inclusion theme' proposed by us would instil in students an orientation towards product and process development which would benefit the entire financial sector in the long run and also evolve next-generation fintech leaders."
- Mr. Sudipta Roy, Head (Unsecured Loans), ICICI

MEDIA RELEASES





Abu Afia Ali | 🛗 July 19, 2019 |



Tmes Now News, 31th July 2019



IIT Kharagpur Launches YIP 2019

In an attempt to empower greenhorns to find solutions to real-life challenges through innovations, IIT Kharagpur launched the **Young Innovators Program (YIP) 2019**, a global science and technology competition. Registration for the **third edition** of this event has

YIP is a programme of IIT Kharagpur aimed at igniting the innovative young minds of school children. The competition aims at recognising the creative ability of students studying in classes VIII – X, towards sci-tech innovations in thematic areas of global relevance. The thematic areas for YIP 2019 include Energy and Environment, Health and Cleanliness, Hardware Modelling, Product Designing, Disaster Management and Financial Inclusion.

Jio Bangal, 19th July 2019

School students to have live interaction with IIT-KGP mentors

Kolkata, July 30: In an initiative under the Indian Institute of Technology (IIT) Kharagpur's Young Innovators Program (YIP), undergraduate students of the institute have organised a live interactive session for class VIII-X students with the mentors, an official said on Tuesday.

YIP is a science and technology competition empowering students of class VIII-X to solve real-life challenges through innovations.

YIP2019 is the th<mark>i</mark>rd edition of the programme.

"The organising team will take live questions from this year's participants as well as school students interested in similar science and technology competitions. The interactive session is scheduled on July 31 at 3 p.m. on the Facebook page of IIT Kharagpur Young Innovators Program," he said.

News Kerala, 30th July 2019







MEDIA RELEASES

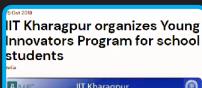














News Byte, 29th Oct 2019

III) Kharagpur recently organized a science and technology

Students come up with innovative ideas at YIP

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Kharagpur, Oct 31 (PTI) Students came up with innovative ideas to solve some of the crucial problems faced by the society at the IIT Kharagpur's 'Young Innovators Programme' (YIP).

The winner of the event, Laxmi School from Chennai, proposed to create a device that shall detect oil spills in oceans and to successfully collect the crude oil and deploy it for various purposes, an HTKGP press release said today.

The News Indian Express, 31th Oct 2019



School students to have live interaction with IIT-KGP mentors

Kolkata, July 30 (IANS) in an initiative under the Indian Institute of Technology (IIT) Kharagpur's Young Innovators Program (YIP), undergraduate students of the institute have organised a live interactive session for class VIII-X students with the mentors, an official said on Tuesday.

YIP is a science and technology competition empowering students of class VIII-X to solve real-life challenges through innovations.

he arganising team will take live questions fram this year's participants as well as school students nterested in similar science and technology competitions. The interactive session is scheduled on uly 31 at 3 p.m. on the Facebook page of IIT Kharagpur Young Innovators Program," he said.

> Social News, 30th July 2019

School students to have live interaction with IIT-KGP









Outlook India, 30th July 2019



