



LIVE GREEN, UP

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Live Green, UP 2016 Has Seen A Tremendous Response. 14 Ideas Were Shortlisted Out Of Close To 60 For A Better Environment. The Best, Final 3, Have Made The Cut

And the winners are...



Vidyatree Modern World College (Team A)
Team members: Priyansh Rastogi, Apoorv Kapoor and Suryansh Singh

“The idea is excellent. The smog brick to reduce pollution was innovative. It’s an eco-friendly way to sustainable development

Prof Dhruv Sen Singh | JUDGE FOR LIVE GREEN, UP

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No stone unturned: Innovation on a brick

For about a week, two classrooms of Vidyatree Modern World College had been transformed into Dexter’s laboratory after school hours with students experimenting to convert their innovative ideas into a prototype for TOI’s Live Green UP campaign. Team members of the project ‘Eco-friendly Infrastructure’ shared that the idea to make bricks from smog came after several brain storming sessions with the teachers. “Initially, we thought of making a machine with thermacol, but as the machine had to be working, we finally decided to use cardboard,” said Apoorv.

What they made
Students came up with the idea of smog machines to manufacture bricks that will help to reduce pollution and suggested buildings and roads be painted with Graphyne so that they absorb dust particles and make the environment pollution-free and the entire city an environment-friendly one

Students said that for demonstrating suction of smog by the smog machine, all possible ways were experimented in their classrooms but finally it was a thread that came to their rescue. “We tied a thread to the cardboard panels of the smog machine to make it movable,” said Priyansh. Another student, Suryansh, said, “We had a tough time as painting, cutting and designing were not easy for us boys. But we contributed in all ways we could.” Team members said they got the idea of using Graphyne for building while researching ways to make infrastructure eco-friendly. “We painted the model building glossy to showcase that Graphyne looks good on walls and also helps to reduce pollution,” said Apoorv. “We had to make an air sucking machine three times as some or the other problem came while placing the machine on the model, but Priyansh was always there to fix it,” he added.

Judges left amazed at ingenuity of students



THE FINAL WORD: Live Green, UP judges environmentalist Prof Venkatesh Dutta, geologist Prof Dhruv Sen Singh and educationist Prof Nishi Pandey

TIMES NEWS NETWORK

“Oh that’s quite hi-tech!” gasped a judge, surprised by the myriad ways in which students brought up ideas to produce energy from trampolines to parks, gyms and even zebra crossings. “No one might have thought about it!” exclaimed another on another day, confident about the innovation element of the group’s seven-blade turbine producing more energy, evoking nodding and prodding from the judges. The room for editorial meetings at the TOI office was transformed into a school lab on May 10, the day of judgment for Lucknow models. Students were running up and down the office with models big and small. While they readied for their presentations before the panel of judges: environmentalist Prof Venkatesh Dutta, geologist Prof Dhruv Sen Singh and educationist Prof Nishi Pandey, the day also kept the judges on their toes with one bright idea after another. As debates, discussions and conversations brewed between the judges, many moments allowed them to agree that all models showed the hard work of students. Infected by the enthusiasm of the young groups, there were moments when the judges got up to test a model’s motion sensor lights, or another’s passive air cooling set-up.

And if you thought students take anything for an answer, you would have been proven wrong. They defended and put up a strong front for their models and ideas, ultimately giving way to Prof Nishi Pandey saying, “We buy your effort!” Suggestions, too, flowed generously from the panel, from students being advised to apply for seed funding on an idea, or work more on another. “Did you know that the size of the ozone hole has reduced? Do you know what the blue-baby syndrome is? Do you know what the advantage of atmospheric dust particles is?” asked Prof Singh and Prof Dutta and a handful of expert information followed. If there ever was a nervous cloud hovering over the students,

THESE WERE GOOD TOO
While the best 3 were chosen after much deliberation, there were certain ideas that the judges said must be mentioned

- 1 The use of drone cameras for garbage detection, traffic decongestion and vegetation density analysis through 2D and 3D imaging
- 2 A green pencil with plant seeds encapsulated literally in a cap with the ease to sow the seeds once the pencil reaches completion
- 3 Use of toll-free numbers by the government for collection and disposal of waste and garbage, just as is the case with ambulances around the state
- 4 Use of advanced bio filters for sewage treatment of household and industrial waste
- 5 Pavement tiles on zebra crossings for producing energy by footsteps and energy generation from trampolines used in parks
- 6 Rooftop wind power system with a seven-blade fan attached to a turbine instead of three-blade system of windmills
- 7 Generating fuel (diesel) from plastic wastes (petrofuel)
- 8 Creation of a natural habitat for birds and a concept of ‘oxygen bars’ for humans to refresh oxygen in the body

wise words followed suit. “Do not ever consider that a machine not working is a ‘problem’ of any sort,” said Prof Singh. “Sometimes, you get so nervous that things stop working. Don’t worry at that time,” said Prof Pandey to another team, whom the three helped out with the failed wiring. When it was time to decide the winners, it gave judges a hard time. Papers were scribbled with tables, calculations were drawn and the top three were discussed and deliberated over and over again. Models scoring low among the 14 were also looked at again to ensure nothing was missed. When the final results were arrived at, the panel unanimously approved with an impressed nod.

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WINNERS OF LIVE GREEN, UP PUBLIC SPEAKING CONTEST OF APRIL 28:
• **Abhishak Verma** from Study Hall, **Swati Singh** from La Martiniere Girls’ College and **Sucheta Chaurasia**, CMS Gomtinagar will also be felicitated at Green Parliament on May 20

All participants of the public speaking contest and the model-making contest will receive certificates

8 green solutions for the win

Making the ‘Green Solutions’ project was a learning experience. It took almost eight days to demonstrate eight green solutions for conserving our environment in our project. We took permission from our principal to spend extra hours in the school to make the project. After school was over, our classroom turned into an art attack show with all team members busy painting buildings, making roads, cutting tissue paper and painting it with mixing adhesive in paints to give it beautiful look,” said Sarvesh, a team member.

What they made
Students suggested eight solutions to conserve the environment. Use of natural air conditioners, installation of tank overflow alarm, rain alarm and motion controlled street lighting system were their key features. The idea of roof-top gardening to conserve soil and save the environment was promoted

Special mention

- CMS, Mahanagar-II
- Springdale College, Indiranagar (Team A)
- Army Public School, LBS Marg (Team A)

He added that the idea of natural air-conditioner came from him and his friend Sanjeevani Gautam. Dushyant Tripathi came up with the idea of water overflow alarm. “We experimented a lot during the project’s making. First, we thought of using bamboo to show plantation but we had to cancel it later as the project was getting too heavy. Sonya used old DVDs to make windows of the building, which made the project look more beautiful,” said Sarvesh.

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Listen in to the winners on **Hello Lucknow with RJ Vipul (5-9pm) on Radio Mirchi 98.3FM** (Date of broadcast will be announced later)



Amity International School (Team C)

Team members: Anushka Singh, Anisha Singh, Ananya Janoo, Christine D John, Pragati Nigam

“The idea really impressed me. I think all universities, colleges, high-rise townships and shopping malls can make this provision; it will be great

Prof Nishi Pandey | JUDGE FOR LIVE GREEN, UP

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Lucknow Public Collegiate, Shardanagar

Team members: Sarvesh Singh, Dushyant Tripathi, Sanjeevani Gautam, Sonia Jaiswal, Aprajita Chaudhary

“There is a need for such smart houses. Their ideas should be integrated in upcoming townships. They can be replicated in many ways

Prof Venkatesh Dutta | JUDGE FOR LIVE GREEN, UP

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Dustbins made attractive

We have never talked about a dustbin so much. While making the project, for one week, there were discussions only on dustbins in our classroom,” said a team member from Amity International School, which presented the idea of smart electronic bins that give free data, when 25gm of garbage was dumped into it.

“My friend Christine D John recently visited Sweden, where she found different colours of dustbins for dumping different kinds of waste,” said Anushka. “In India, we have only two, red and green, so we thought why not have more colours of dustbins for different kinds of waste,” she added.

“In our project, we included different kinds of techno bins which will give free data on dumping waste. We worked for hours in school and decided the colour and the design of the model. Anisha and Ananya painted the bins, red for haphazard waste, green for biodegradable, blue for non-biodegradable, grey for metal and yellow for glass waste. Not just dustbins but also our school dress had brush strokes of various colours,” said Pragati.

Each coloured bin gave the user free access to a particular app for five minutes. YouTube, Facebook, WhatsApp, Snapchat and Instagram: the dustbins had icons of these apps to make the box attractive to people. The idea of biometrics was included at the end.

What they made
The model presented ‘smart’ electronic bins that give you free data when you dump 25gm of garbage into them. Students suggested the idea to place five different coloured bins, green for bio degradable waste, yellow for glass waste, blue for non-bio degradable waste, red for haphazard waste and grey for metallic waste

Four-hour long power cut spoils Sunday for Rajajipuram

TIMES NEWS NETWORK

Lucknow: Thousands of residents living in Rajajipuram’s C block were left in the dark after a transformer caught fire, leaving the area without electricity for more than four hours, on Sunday.

“It is not the long power outages but the frequent tripping that is a problem,” said a Lucknow Electricity Supply Administration (Les) staff member, at the Alambagh sub-station. Though officials at Lesa said the rising temperature has got nothing to do with failure of power distribution equipments, breakdowns have been seen over a 20% rise. Localities like Jo-



plung road, Indiranagar (though prior notice was given in the area), Alambagh, Chinhat and Aishbagh witnessed frequent tripping. Residents say power cuts are more frequent in the night. “If officers say the load has increased because of use air conditioners (AC) during

24x7 bill payment facility at Lesa

Les consumers can pay their bills 24x7 at the following sub-stations/centre -- 1090 crossing, Parag booth, Lohia Path; Victoria sub-station, Chowk; Engineering College sub-station, Jankipuram and Arvindo Park, Munshipulia, Indiranagar. Apart from these thr Lesa consumers can pay their bills 24x7 at the following sub-stations/centre -- 1090 crossing, Parag booth, Lohia Path; Victoria sub-station, Chowk; Engineering College sub-station, Jankipuram and Arvindo Park, Munshipulia, Indiranagar. **TNN**

summers, then why don’t they limit power cuts to localities with maximum ACs” said Sandip Kumar, a resident of Alambagh.

“Most of the times we are told that an outage is for maintenance. And if we are told that it would last two hours, it mostly lasts longer

than the scheduled time,” said Shakti Sharma, who lives in Rajajipuram. “The situation is normal because we are yet to hit the peak. Last summer, we had hit 1280mw but at present we have touched only 1100mw,” said Lesa chief engineer, SK Verma.

Three injured in fuel tank blast die

TIMES NEWS NETWORK

Lucknow: Three persons, including two minor brothers, who had suffered burn injuries when a tanker exploded, died at Balrampur hospital on early Sunday. The deceased - Dinesh (21), and brothers Anuj (14) and Saroj (16) - hailed from Belva village in Kakori. Locals burst into tears when their bodies were brought to the village on Sunday afternoon.

An eight-year-old girl, Muskaan, from the same village was mowed down by a dumper on underconstruction Lucknow-Agra expressway on May 10. Angry locals had set the dumper afire after the incident. The blaze triggered a blast in the dumper’s fuel tank, leaving 18 persons, including Anuj, Saroj and Dinesh, injured. **TNN**

Woman found murdered, stepson under scanner

TIMES NEWS NETWORK

Lucknow: A woman was found murdered and her stepson is suspected to have committed the crime. On Friday noon, body of a woman was found near SSP office across Nabiullah road in Wazirganj.

Police recovered prescription of a government hospital on the woman’s body. To ascertain her identity, cops visited Balrampur hospital and found that she was Maya Devi, resident of Madaion. The team then visited the address noted in the hospital register and found that on Thursday her condition had deteriorated all of a sudden. Maya’s husband is vegetable vendor and informed police that his son

No progress in South City dacoity case

Lucknow: Construction workers who stayed around South City colony were left off after questioning as city police failed to gather any leads about the gang which robbed retired railway engineer Ramakant Lal and his wife Indu Srivastava, on the intervening night of Friday and Saturday. The police are looking for the driver who had accompanied Lal to his bank last week. Seven to eight armed assailants entered the house of Ramakant around 2am and held the family hostage at gunpoint, before escaping with cash, jewellery and other valuable items. Police found that one of the bandits was aware of the fact that Ramakant had withdrawn cash from bank recently. **TNN**

from his previous marriage Suresh had taken Maya to the hospital. He called his father informing that Maya was critical on the intervening night of Friday and Saturday and then his phone went out of reach. Next day, Maya’s body was found dumped on a va-

cant plot. On Saturday, post mortem was conducted at KGMU and multiple injuries were found on her body.

Police were trying to trace Suresh who had gone missing after the incident and registered a case of murder and destruction of evidence.