

Asian Age ND 25.02.2014 p-13

Panic after fire breaks out in IIT Delhi lab

AGE CORRESPONDENT
NEW DELHI, FEB. 24

A fire broke out in the chemistry laboratory in the IIT Delhi campus on Monday morning, gutting property worth several lakhs of rupees and leading to panic amongst students.

The fire broke out in the fourth floor of Block 5 in the campus at around 11.30 am, when most of the students were inside the classrooms.

"Most of us were in panic. We all were in classrooms when suddenly there was a pungent smell in the air and few minutes later, there was flame coming out from the chemistry lab and later a few blasts were heard," according to Alok Shukla, a research scholar in plasmonic physics at IIT Delhi. His classroom was just below the chemistry lab.

There is a large number of inflammable equipment



The chemistry laboratory at IIT Delhi.

in the lab, but there is no confirmation about the source of the fire. The students, who were working on experiments in the laboratory, had tried their best to douse the fire.

IIT-Delhi registrar Rakesh Kumar said that the institute would investigate the matter and denied that the fire started because of "wrong experimentation." He, however, said that the fire was facilitated by the presence of chemicals in the laboratory. The IIT Delhi security officials had confined the fire to the room only, he added.



TOI photo

Fire broke out in one of the chemistry labs on Monday morning

Fire at IIT-D lab, panic on campus

TIMES NEWS NETWORK

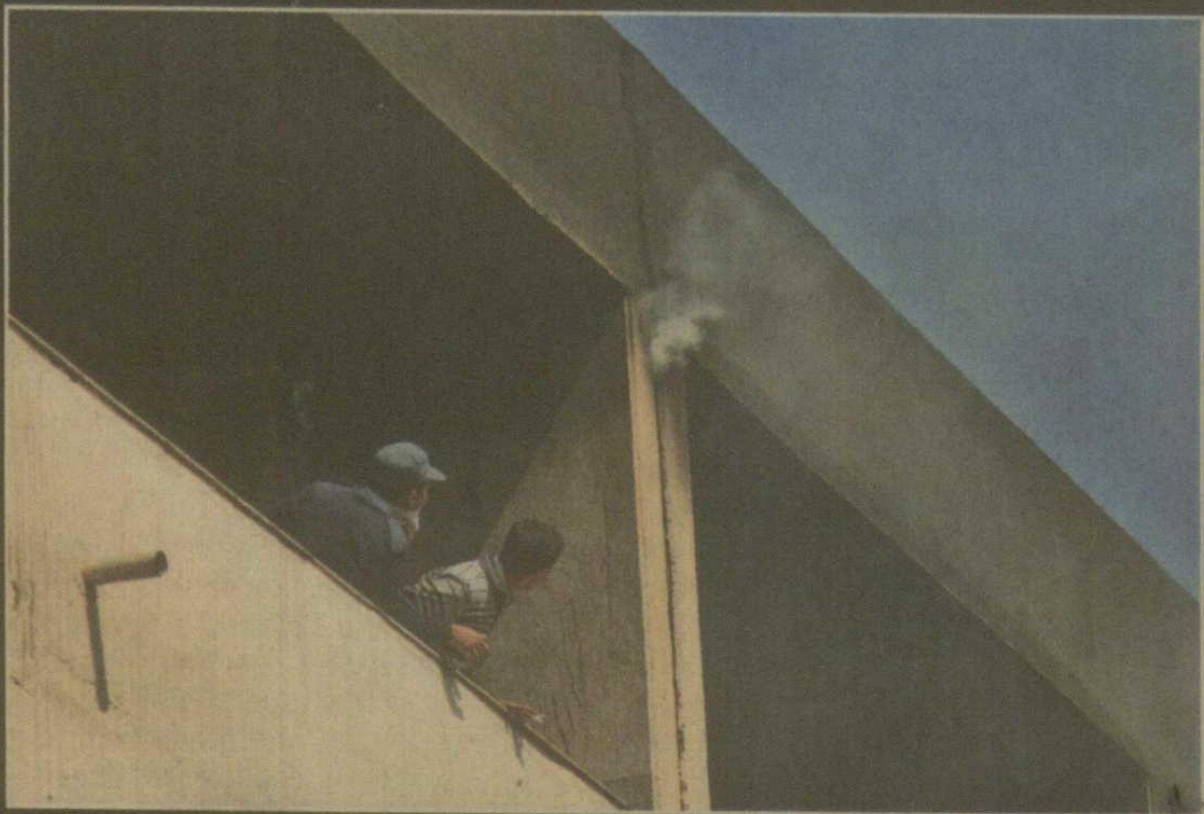
New Delhi: Chaos ensued at the Indian Institute of Technology-Delhi campus after a fire broke out in one of the chemistry labs on Monday morning.

Though no injuries were reported, the fire and the minor explosions created panic among students and staff members, police said. The food-chemistry lab was also the work-space of much-awarded chemistry professor, H M Chawla.

Police said the fire may have been caused due to a short circuit. The fire, which was confined to one block, broke out around 11.15am. It took five fire tenders 45 minutes to bring the blaze under control. "Surrounding buildings were cleared as a precautionary measure. Witnesses said there were three blasts in the initial few minutes," an officer said.

"We think there may have been some problem with the battery but are not sure of what exactly caused the fire," said IIT Delhi registrar, Rakesh Kumar.

FIRE IN IIT DELHI CAMPUS, NO INJURIES REPORTED



NEW DELHI: Panic gripped the Indian Institute of Technology (IIT) Delhi campus after a fire broke out in a room attached with the chemistry laboratory on Monday morning, fire department officials said.

The blaze broke out at around 11.25am in room number 421 on

the third floor in block-5 of IIT Delhi campus building.

Though nobody was injured in the fire chaos broke out among the students, faculties and other staff who panicked because of the minor explosions that occurred inside the room and the attached chemistry lab.

HTC

L-G okays what AAP rejected, IP University to get new V-C

Atul Mathur

htreporters@hindustantimes.com

NEW DELHI: Lieutenant Governor Najeeb Jung has given a go-ahead to his government to finalise the new vice-chancellor of Guru Gobind Singh Indraprastha University from among the panel of three academicians shortlisted during the Congress regime.

The Aam Aadmi Party had earlier objected to the three-member panel and asked the department of higher education to invite fresh applications for the post.

AAP leader Manish Sisodia, who was the minister of higher education, had asked his department to start the process of selecting V-C, afresh, could not be contacted.

Sources said the L-G has now asked the department to finalise the selection of the new V-C as soon as possible. "We have started working on it and hope to complete the process soon," a senior Delhi government official said.

A committee of four academicians — V-C Delhi university, director of Indian Institute of Management (Lucknow), director of Indian Institute of Technology (Delhi) and vice-chancellor of National Law University — had earlier

THE AAM AADMI PARTY HAD ASKED THE DEPARTMENT OF HIGHER EDUCATION TO INVITE FRESH APPLICATIONS FOR THE POST

shortlisted the names of three academicians among whom the V-C of IP University was to be finalised.

Sources said Delhi government's higher education department has now called for the annual confidential report and the vigilance report of the shortlisted candidates.

Founded in 1998, the IP University has given affiliation to several technical and professional colleges in Delhi. Anup Singh Beniwal, who is dean of University School of Humanities and Social Sciences, is currently the officiating vice-chancellor of the University.

Sources said Delhi government could not complete the process of appointment of VC before the term of DK Bandhopadhyay got over in December 2013. By virtue of being the longest serving dean, Beniwal took over charges from Bandyopadhyay as an interim VC.



THE BREAKS IN IIT-DELHI

in a building at Indian Institute of Technology Delhi campus on Monday morning. No one was reported in the incident. Officials, the blaze was reported from a laboratory adjacent to a hostel in the vicinity. A call at 11.25 am that a fire had broken out in a high-rise building on the campus. The vicinity said they heard the sound of fire. Mail Today

Fire breaks out at IIT, nobody hurt

NEW DELHI, DHNS: A fire broke out in a room at the Indian Institute of Technology, which was precariously close to a chemistry laboratory. The Monday morning incident, however, left no one injured.

The blaze was seen on the third floor of Block V in academic area.

Fire department officials said that they received a call at 11:25 am, informing that a fire had broken out in a high-rise building in the IIT Delhi campus. Five fire tenders were rushed to douse the fire. And the firefight lasted for one-and-a-half hour.

“The fire was primarily confined to one block and much of the lab equipments kept in the room were gutted,” said an official.

The building was vacated when the fire broke out and everybody in the building were brought to the lawn, said an eyewitness.

Supreet Singh Bahga, an assistant professor tweeted after the fire broke out, “Seems like safety issue with a lab... something catching fire and exploding in series.”



Firemen douse the flames at the IIT building on Monday. PTI

Students who were there at the site said that they saw a plume of smoke and heard two to three loud cylinder blasts at the time of the fire.

The Delhi Fire office said that there was no blast in the chemistry lab and all the gas cylinders in the lab were intact.

The cause of the fire is still unknown, but it is believed that a short circuit might have led to the fire. The police said that they are investigating the reasons behind it.

There was panic even in the boys' hostel located next to the building, said a police officer.

आईआईटी में आग से हड़कंप

केमिस्ट्री लैब में खड़ी कार में भी आग लाखों का नुकसान

● अमर उजाला ब्यूरो

नई दिल्ली। हौजखास स्थित आईआईटी की केमिस्ट्री लैब में सोमवार सुबह आग लग गई। आग लगने से आईआईटी कैंपस में हड़कंप मच गया। मौके पर पहुंची फायर ब्रिगेड की पांच गाड़ियों ने आग पर काबू पाया। लैब में आग लगने का कारण केमिकल रिएक्शन माना जा रहा है।

इस घटना के कुछ समय बाद आईआईटी कैंपस में ही एक पेड़ के नीचे खड़ी मारुति एस्टीम कार में भी आग लग गई। दोनों ही घटनाओं में किसी के हताहत होने के समाचार नहीं है। वसंत विहार थाना पुलिस दोनों घटनाओं की जांच कर रही है। आग से लाखों का सामान खाक हो गया। दक्षिण जिला पुलिस अधिकारियों के अनुसार सोमवार सुबह करीब 11.30 बजे ब्लाक-5



की तीसरी मंजिल पर स्थित केमिस्ट्री लैब में आग लगने की सूचना मिली थी।

आईआईटी अधिकारियों व कर्मचारियों का कहना था कि लैब में रखे इंवर्टर में आग लगी होगी। इसके बाद आग लैब में रखे केमिकलों तक पहुंच गई और भयावह रूप ले लिया। आग लगने की सूचना के बाद ब्लाक-5 को खाली करा लिया गया

था। केमिस्ट्री लैब की आग काबू होने के कुछ देर बाद ही आईआईटी कैंपस में खड़ी एक मारुति एस्टीम में आग लग गई।

आग लगने के समय चालक ने कार में रेडियो चला रखा था। इंजन से धुआं निकलने के बाद वह कार से बाहर निकल गया। पेड़ और पत्तों की वजह से आग ज्यादा फैल गई। आग से कार पूरी तरह जल गई।



आईआईटी में लगी आग,
गैलरी देखिए:

www.delhincr.amarujala.com

आईआईटी की केमिस्ट्री लैब में लगी आग

नेशनल दुनिया

नई दिल्ली। राजधानी के हौजखास में स्थित प्रतिष्ठित शिक्षण संस्थान भारतीय प्रौद्योगिकी संस्थान (आईआईटी) में सोमवार को आग लग गई। आग संस्थान की केमिस्ट्री लैब में लगी थी।

घटना की सूचना के बाद पुलिस और दमकल विभाग की गाड़ियां मौके पर पहुंच गईं, जिसके बाद आग पर काबू पाया गया। इसके अलावा आग की दूसरी घटना आईआईटी के गेट के बाहर हुई, जहां एक कार में अचानक आग लग गई।

सूचना के बाद दमकल विभाग के कर्मचारियों ने मौके पर पहुंचकर कार की आग पर काबू पाया। पुलिस से मिली सूचना के अनुसार दोनों हादसों में कोई हताहत नहीं हुआ है। पुलिस से

मिली जानकारी के अनुसार पुलिस को सोमवार दोपहर करीब 11.25 बजे सूचना मिली थी कि आईआईटी कैम्पस की केमिस्ट्री लैब में आग लग गई है। सूचना के बाद पुलिस और दमकल विभाग की गाड़ियां मौके पर पहुंच गईं। मौके पर पहुंचकर दमकल विभाग के

कर्मचारियों ने जल्द ही आग पर काबू पा लिया।

घटना में किसी के हताहत होने की सूचना नहीं है। पुलिस फिलहाल आग लगने के कारणों का पता लगाने की कोशिश कर रही है। वहीं आग लगने की दूसरी घटना भी आईआईटी कैम्पस

हादसा

- संस्थान के गेट पर एक कार भी जलकर खाक
- दोनों घटनाओं में कोई नहीं हुआ हताहत



के गेट के बाहर हुई, जहां एक स्टीम कार में आग लग गई। पुलिस और दमकल विभाग को 1.05 बजे सूचना मिली कि एक कार में आग लगी है। सूचना के बाद दमकल विभाग की दो गाड़ियां मौके पर पहुंच गईं।

दमकल विभाग के कर्मचारियों ने जल्द ही आग पर काबू पा लिया। पुलिस ने बताया कि इस हादसे में कोई हताहत नहीं हुआ है। पुलिस का कहना है कि कार में आग शॉर्ट सर्किट के कारण लगी थी।

HINDUSTAN ND 25-Feb-14 p-3

आईआईटी कैम्पस में आग लगने से मचा हड़कंप

नई दिल्ली | वरिष्ठ संवाददाता

आईआईटी कैम्पस में सोमवार को आग लगने की सूचना से पूरे कैम्पस में हड़कंप मच गया। घटना में कोई भी घायल नहीं हुआ है। फायर ब्रिगेड की पांच गाड़ियों ने आधे घंटे में ही आग पर काबू पा लिया।

सुबह तकरीबन साढ़े 11 बजे आईआईटी दिल्ली कैम्पस में आग लगने की सूचना मिलते ही पूरा पुलिस महकमा सक्रिय हो गया। कैम्पस में बड़ी संख्या में मीडिया-पुलिस और फायर विभाग के कर्मचारी झटपट पहुंच गए। बिल्डिंग को

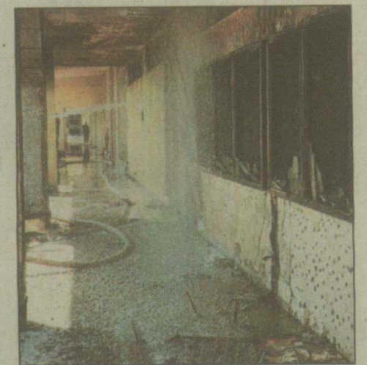
पहले ही खाली करा लिया गया था। प्रत्यक्षदर्शियों के मुताबिक आग कैम्पस की तीसरी मंजिल में केमिस्ट्री लैब के बगल वाले कमरे में लगी थी। देखते ही देखते बिल्डिंग का बड़ा हिस्सा आग की चपेट में आ गया। फायर विभाग के लोगों ने आग लगने के पीछे कमरे में रखे केमिस्ट्री लैब के कई रसायनों एवं अन्य सामानों को कारण बताया।

मुख्य अग्निशमन अधिकारी एके शर्मा ने बताया कि फायर ब्रिगेड ने महज आधे घंटे के भीतर आग पर काबू पा लिया। आग लगने के पीछे कुछ लोग सिलेंडर फटने

अफरातफरी

- किसी के घायल होने की खबर नहीं एक के बाद एक तीन धमाके हुए थे
- आवाज सुन पास स्थित बॉयज हॉस्टल के सभी छात्र बाहर आ गए

को भी वजह बता रहे हैं। प्रत्यक्षदर्शियों ने बताया कि यहां थोड़ी-थोड़ी देर में लगभग तीन धमाकों की आवाज आ रही थी। आवाज सुन पास स्थित बॉयज हॉस्टल के सभी छात्र बिल्डिंग से बाहर आ गए।



आईआईटी कैम्पस स्थित इसी बिल्डिंग में सोमवार की सुबह आग लगी थी। ● एजेंसी

What IISc Plans to Do with His ₹220 crore

It was a meeting of minds: an Indian Institute of Science professor wanting to create a larger, independent centre for brain research and a corporate leader wanting to fund such an endeavour. The result: a research centre that is one of its kind in India, reports **Hari Pulakkat**



WIRING IT RIGHT
To help IISc build competency in brain computer interface, Infosys co-founder Kris Gopalakrishnan decided to endow professorships

The sylvan campus of the Indian Institute of Science (IISc) in Bangalore offers some of the best physical and intellectual surroundings to conduct research. But being a government institution, it has always to function within rules that often slow down work, let alone research. Many top government institutions in the country like IITs have been looking to break free from these restrictions, by setting up entities that would enjoy the best of both worlds: government funding as well as flexibility of operations. IISc had done it once, and was looking for more opportunities to do so.

IISc is one of the premier fundamental research organisations in India. Its scientists focus on basic research, but its management had been thinking of a translational research facility for some time, to take the fruits of the institute's research to the public. Nothing seemed more attractive than the area of biology, where research discoveries have immediate medical applications. Translational research needed money, often far more than basic research. The idea remained on paper for a while, with no one willing to fund such a non-commercial venture.

While the IISc management was thinking about these problems, one of its senior scientists was nurturing her own dreams. Vijayalakshmi

Ravindranath, founding director of the National Brain Research Centre at Manesar near Delhi, had moved to IISc four years ago to start a centre for neuroscience there. Her lab now focuses on neurodegenerative disorders, but she wanted to develop a larger centre that would look at such disorders from an Indian perspective. "This was my dream for a long time," says Ravindranath, "and one day Kris Gopalakrishnan walked into IISc and said he would fund such a centre."

Indian Focus

Infosys co-founder Kris Gopalakrishnan—who chose not to speak for this story—had wanted to fund a neuroscience centre in India as he had an interest in the subject. He had two specific interests in the area: neurodegenerative disorders and brain computer interface. IISc already had a rapidly-expanding centre on neuroscience, and so it was ready to work in this area. It was less prepared for a large centre on brain computer interface. So, Gopalakrishnan decided to give ₹220 crore for a brain research centre. To help IISc build competency in brain computer interface, Gopalakrishnan decided to endow professorships. "A lot of things came together," says IISc director P. Balram.

The new brain research centre will be housed outside but near IISc, within the precincts

of a hospital. It will be a non-profit society jointly owned by IISc and Gopalakrishnan's Pratiksha Trust. The IISc council is expected to give all formal clearances by next month, and work should start on the centre by April. It will have flexibility that government institutions do not offer, particularly on recruitment and salaries. It also has committed funding for 10 years, something difficult to guarantee from the government. The centre also fulfils an intense need for brain research centre in the country as well.

Dementia—an umbrella term for memory loss—in old age is one of modern society's biggest medical problems.

One of a Kind

The new brain research centre will be a non-profit society jointly owned by IISc and Gopalakrishnan's Pratiksha Trust. And it's unique in many respects:

- Focus on neurodegenerative disorders from an Indian perspective
- Close coordination between biology, computation and clinical medicine
- Committed and substantial funding—₹220 crore—for 10 years
- Flexibility of operations
- High-profile international team of advisors

The Alzheimer's Disease International, a global organisation headquartered in the UK, estimates there are 44.4 million people with dementia in the world, with 62% in developing countries. The cost of dementia in 2010 was \$604 billion, 70% of which was in the western countries. Dementia is rising in India, although comprehensive statistics are not available for the country.

Multi-disciplinary Set-up

Specific factors that contribute to dementia in India are not known in detail, and research can help unravel them. For example, there is high prevalence of stroke in India. Is that a reason for large-scale dementia? It is also known that multilingualism delays the onset of dementia. Does that play a role in containing dementia in India?

One north Indian village, Ballabgarh near Delhi, has low prevalence of dementia. People here are physically active, have low cholesterol levels and eat a vegetarian diet. Are these protective factors? Do Indians have genetic components that retard or accelerate dementia? Many diseases these days are diagnosed using biomarkers, specific molecules that signal the onset of a disease. Not in dementia. "Biomarkers have failed to diagnose dementia," says Ravindranath. "So prediction of dementia requires a huge effort."

Multivariate analysis is now

the only way to predict dementia, according to Ravindranath. It means analysing different kinds of data using computers. Which is why the new centre will have computation as one of its focus areas. Researching dementia will need the help of clinicians, which is why the brain research centre will be located within a hospital. The centre will also hire clinicians, a breed of scientists absent in the IISc at the moment. Also present will be imaging specialists, geneticists, epidemiologists, data scientists, not to speak of neuroscientists like Ravindranath, who will be a lead scientist. "We are looking at about 20 lead scientists," says Prakash Khincha, advisor to IISc.

IISc had earlier started a society called Society for Innovation and Development (SID). It is now located just opposite the IISc campus, and houses many R&D centres funded by various companies. One such centre is the Robert Bosch Centre for Cyber-Physical Systems, for which Robert Bosch Foundation has committed ₹11 crore every year for 10 years. The money comes with no strings attached. Gopalakrishnan's grant is twice as much, and would be supplemented by government funding as well. The stage is set for one of India's most ambitious ventures in neuroscience.

hari.pulakkat@timesgroup.com

IIT prof 'hyped' cell radiation, daughter sold protective shields

PAGE 1
ANCHOR

Kumar denies conflict of interest, claims daughter's business disclosed

MIHIKA BASU
MUMBAI, FEBRUARY 24

A COMMITTEE set up by the department of telecommunications has raised a red flag over the ethical conduct of an IIT-Bombay professor for blowing out of proportion the effects of mobile phone tower radiation on humans and on the other hand promoting his family's business of products that claim to reduce the impact of such radiation.

The professor, Girish Kumar, is at the electrical engineering department of the institute.

DoT constituted the committee, comprising experts from scientific, medical and research organisations, following a January 10, 2012 directive by the Lucknow bench of the Allahabad High Court. The court was hearing a writ petition on issues related to electro-magnetic field (EMF) radiations.

Kumar, one of the 13 members of the committee, said he

did not agree with the report and added that the committee was biased.

"The committee observed that his daughter, Neha Kumar, is selling radiation shielding solutions through her company NESA Radiation Solutions Private Ltd. On one hand, he is spreading misinformation and creating misconceptions and unfounded apprehensions in the mind of the public by sensationalising and blowing out of proportion the effects of EMF radi-

ation, and on the other hand, he is promoting his family's business in related products (which do not even follow any national or international standards), thus throwing professional ethics to the winds," the report said.

Kumar has been fighting for safer norms and a reduction in the power transmitted by cell-phone tower antennae for over five years now. Citizens' groups in South Mumbai and prominent residents such as Prakash Munshi and actor Juhi Chawla

have quoted findings from his report which claimed the short-term and long-term affects of radiation included memory loss, sleep disruption, headache, depression, irritability, poor concentration, Alzheimer's, Parkinson's, DNA damage, irreversible infertility and prostate cancer.

The report said that as part of professional ethics, professionals made disclosures about their commercial or business interest or the commercial or business interest of close relatives

and family members before publishing any report or newsletter.

Kumar, chairman of Wilcom Technologies Private Ltd, which offers radiation shield as one of its products, also publishes a bi-monthly newsletter titled 'Cell-phone/Tower Radiation Hazards and Solutions'.

"The committee noticed that Prof (Girish Kumar) has not made any such disclosure about the studies being conducted by him or reports submitted by him

CONTINUED ON PAGE 2

IIT-Bombay prof 'hyped' radiation

on the newsletter being published by him on the issue of health effects from EMF radiation. Though initially Prof Kumar had agreed to submit a proper disclosure on his work related to EMF radiation, but he later refused to give any such disclosure. However, he has stated that the information given in his newsletter be considered as his disclosure," the report said.

The report said the other members of the committee were of the view that the information was unclear and incomplete. It said Kumar should have categorically disclosed his family's commercial interest in companies involved in manufacturing or dealing with EMF shielding products. Members of the committee include professors from IIT-Kharagpur, IIT-Kanpur, IIT-Delhi, IIT-Roorkee and experts from ICMR, AIIMS, department of science and technology and Indian Institute of Toxicology Research, besides representatives from DoT.

"I have always maintained that removing towers is not the solution, unless one is willing to live without mobile phones," Kumar told *The Indian Express* when reached for comment.

"My presentation at every forum suggests three solutions to reduce EMF hazard, if there is a cell tower near your residence/office. The first solution talks of

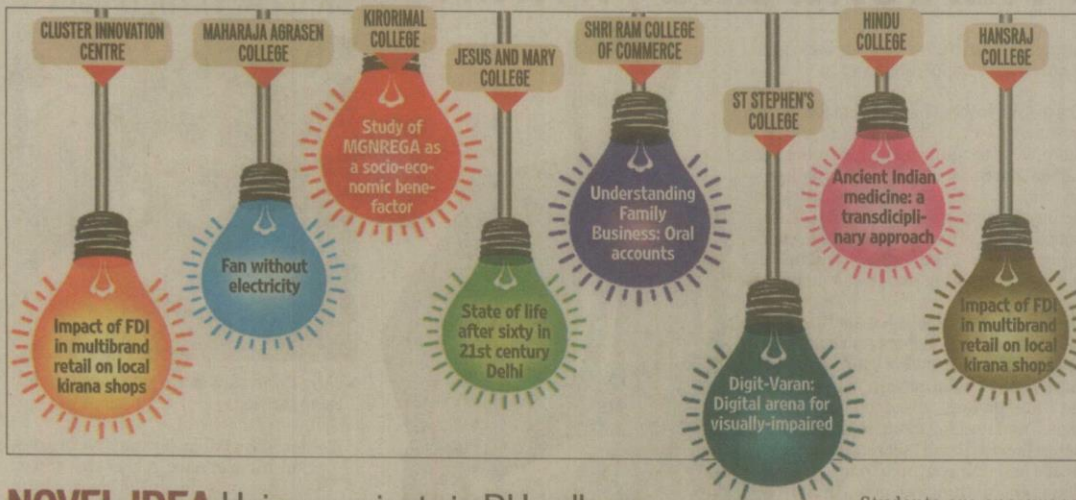
convincing operators to reduce transmitted power and the second is on removal of the tower. The third option is given as shielding solutions. If my first suggestion on reducing the power transmitted is implemented, there will be no need to have shielding solutions in the first place and then the company too will have to close down. So then where is the conflict of interest? Even in my emails to the committee, which included my newsletter, I had mentioned that my daughter has a company on shielding solutions."

In the report, the committee said that Kumar had circulated an email to all members, which casts aspersions and ascribes bias against them, which was strongly objected to by the members. Most members, the report noted, were of the view that it amounted to undermining the premier institutions and disagreed with the professor's "prejudiced stance" at the very outset. "Kumar refused to attend and participate in the meetings of the committee, despite persuasion by the Department of Telecommunications (DoT) and did not attend the first meeting. The committee members have taken due note of emails dated January 14 and 15, 2014, sent by Kumar to them, where there is an attempt by Kumar to involve the judges of the high court, Allahabad, into the discussions even before finalisation of the report. All other members disassociate themselves from such activities of Kumar," it said.

Science can grow without killing

THE UNIVERSITY Grants Commission has made a commendable decision in discontinuing laboratory dissection of animals for experimental purposes in life science subjects, particularly zoology. The new order, in which UGC asks the universities and all the funded and non-funded academic institutions to stop lab dissection of animals at the undergraduate level, is estimated to save more than 17 million creatures per academic session, a huge number by all means. In this age of digitally enhanced knowledge of anatomy and morphology, where computer simulations of organ systems and electronic as well as plastinated models of specimens are available, killing animals for the sake of knowledge sounds barbaric and utterly devoid of ethical principle of basic non-violence. The UGC, on its part, has cited its willingness to adhere to the Prevention of Cruelty to Animals Act, 1960, in addition to the Wildlife Protection Act, 1972. This ruling is not only a timely intervention to stop merciless slaughter of animals at the altar of 'education', it also is a wakeup call for academic institutions to develop more ethically sound and uncompromising models of teaching, without practicing violent methods to do just that. Lab dissection of animals is a crude way of obtaining knowledge, because of which medical schools use human cadavers, yet had no reservation about killing animals, until now. The new order will not only save animal lives but also free up a chunk of grant that could be judiciously reallocated to support college education.

DU: INNOVATION CENTRAL



NOVEL IDEA Unique projects in DU colleges are giving a new meaning to creative ideas

Gauri Kohli

Working towards environment sustainability, developing waste management techniques, creating opportunities for women's empowerment through value-added products, digital reconstruction of lost art and craft and much more... Delhi University students from 59 colleges are redefining innovation through 251 unique projects.

Aimed at encouraging innovative thinking, these projects have engaged some of the brightest minds in the university to come up with real practical solutions to some everyday problems. What's more, the university is providing funds of ₹10 lakh for each project.

Proposals were invited in January 2012 for the scheme, called 'Innovation Projects

in Colleges.'

It was 'designed...to enhance learning experience through student participation,' and each project had teams of three teachers, 10 students in addition to a mentor from outside the institution.

"The scheme was structured to encourage and support hands-on research by college teachers and students.

Teachers get research opportunities and provide interdisciplinary exposure to students as they work across streams such as chemistry, biology, economics, and the social sciences. The best thing is that they are encourage trans-disciplinarity and research at the undergraduate level," says Professor Madan Chaturvedi, director, Cluster Innovation Centre, and dean research (life sciences) at University of Delhi.

Students are encouraged both through generous funding from the university, and structural support provided by the colleges, to conduct research outside of the classroom. For many students, this experience has been enriching in more ways than one.

One of the biggest outcomes of these projects is that the university planning to encourage students to develop entrepreneurial projects.

"A business incubator funded by the ministry of micro, small and medium enterprises is in the process of being established. This will incubate some of these projects that have the potential to be converted into business models," adds Chaturvedi.

Elaborating on the success of the university's initiative, Professor Malashri Lal, dean, academic activities and projects at DU, says, "We received over 400 applications in the second year of this scheme. We are also getting attention from some foreign universities who are looking for

SOME PROJECTS FROM 2013-14

The following are certain innovative projects developed across various DU colleges:

Acharya Narendra Dev College

Development of low cost computer-controlled science laboratory using sensors, open source hardware and software tools

Cluster Innovation Centre

Impact of FDI in multibrand retail on local kirana shops

Delhi College of Arts and Commerce

Creating a more enabling environment for differently-abled students in universities in Delhi through a dropout prevention programme

Hansraj College

Public private puzzle in education: where the parents want to send their children and why?

Jesus and Mary College

State of life after 60 in Delhi

Kirorimal College

Study of MGNREGA as a socio-economic benefactor



Students come up with practical solutions to everyday problems HT