

# Newspaper Clips May 5, 2016

Times Of India ND 05/05/2016 P-03

## Odd-even gone, city doesn't know why air not clear yet

### Is There A Need For Change In Approach? Experts Debate

TIMES NEWS NETWORK

New Delhi: If these (steps) didn't reduce pollution, what would, asked an exasperated Supreme Court on May 1, a day after the odd-even scheme ended with no apparent fall in air pollution.

The judges listed a series of measures that have been taken over the years apart from the two-phase odd-even. These steps include a ban on registration of diesel vehicles over 2000cc, an environment compensation charge on trucks plying through the city and a CNG requirement for public transport vehicles and taxis.

Is Delhi neglecting some causes and overemphasising on others? Does the approach need a change? TOI reached out to scientists and public health experts to understand how strategies could be prioritised, and what the new approach could be. A majority of experts do not consider vehicular pollution to be the number one cause of pollution—road dust and poor approach to construction are rated as the top causes.

The responses TOI received suggested two approaches—controlling the major emission sources and reducing exposure to the nearest or immediate sources of pollution to reduce health risks.

Overall emissions could be reduced by interventions, such as leapfrogging to Euro-VI fuel norms, finding a fool-proof solution to biomass burning, covering open spaces with grass and improving public transport.

Two public health experts—Melina S Magsumbol of the Public Health Foundation of India (PHFI) and Anumita Roy Chowdhury, member of health ministry's steering committee—suggested a slightly different approach. Magsumbol, for instance, said: "The odd-even scheme is a way of avoiding congestion and heavy traffic but it is not sustainable unless better public transport options are available... people need targeted health information—for example, those highly at risk are the elderly, pregnant women and children. They should be advised on when to be outside when playing or exercising," she said.

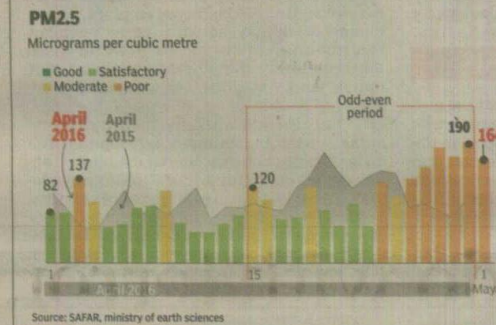
She suggests different policies for different seasons. This was highlighted by IIT-Kanpur in its recent report where vehicles and biomass burning were dominant problems in winter while road dust gained proportions in summer.

### FIVE TAKES ON POLLUTION AGENTS

| Ranking of pollutants                        | Melina S Magsumbol, senior research associate, Public Health Foundation of India | Gufran Beig, project director, System of Air Quality and Weather Forecasting and Research, ministry of earth sciences | Author of a recent study on Delhi's air pollution. (Doesn't want to be named) | MP George, head air lab, Delhi Pollution Control Committee | Manju Mohan, professor at Centre for Atmospheric Sciences at Indian Institute of Technology | Anumita Roy Chowdhury, executive director, CSE, and member of health ministry's steering committee on air pollution |
|--|--|---|---|--|---|---|
| No. of vehicles                              | 2  | 1   | 2   | 4  | 4   | 1   |
| Type of fuel                                 | 3  | 2   | 5   | 5  | 5   | 1   |
| Road dust                                    | 1  | 3   | 1   | 1  | 1   | 2   |
| Construction boom                            | 1  | 5   | 3   | 1  | 6   | 2   |
| inadequate bypasses for inter-state vehicles | NR*  | 6   | 3   | 2  | 9   | 2   |
| Biomass burning                              | 2  | 2   | 1   | 3  | 2   | 2   |
| Diesel gensets                               | 4  | 4   | 6   | 6  | 7   | 3   |
| Presence of industries                       | NR   | 7   | 6   | 6  | 8   | 2   |
| Hotels/restaurants                           | NR   | 8   | 7   | 6  | 9   | 3   |
| Better monitoring than other cities          | 2  | NR  | NR  | 2  | 9   | NR  |
| Inadequate green cover in public places      | NR   | 4   | NR  | 3  | 9   | 4   |
| Geography and meteorology                    | 1  | NR  | NR  | 1  | 3   | 3   |
| Poorly planned public transport              | 2  | 4   | 4   | 3  | 5   | 1   |
| Better zoning                                | 3  | NR  | NR  | NR   | NR  | NR  |
| Overloading of vehicles                      | NR   | NR  | NR  | 2  | NR  | NR  |
| Any other                                    |  |   |   |  | Regional transport of pollution   | Domestic sources (cook stoves)  |

\*NR: Not ranked

### A CLEANER APRIL?



Data released by the System of Air Quality and Weather Forecasting Research, under the ministry of earth sciences, showed that PM2.5 levels were lower on 19 days in April compared to the same period last year. This could be a fallout of a nearly 50% decline in the number of trucks entering Delhi after the Supreme Court imposed an environment compensation charge. Higher awareness among people about various causes of pollution could have helped as well, SAFAR scientists said. Data also showed that ozone levels were lower than last year in 19 out of 30 days in April.

Roy Chowdhury suggested that "the ranking of pollution sources will have to take into account not only the quantum of pollution but also toxicity of pollution and our proximity to pollution sources to prioritise action. Vehicles receive the top

rank because, in urban areas, we are closest to vehicles and their emissions are much more toxic than natural dust."

Manju Mohan, professor at IIT-Delhi, said her research had proved that "regional transport" of pollutants and

meteorological factors played a very important role in accentuating pollution—biomass burning in neighbouring states and industries did add to Delhi's suffering so the policies might have to be broadbased to neighbouring states.

**आईआईटी में किया बड़ा बदलाव**

नई दिल्ली @ पत्रिका. आईआईटी में एडवांस परीक्षा के बाद काउंसलिंग में भी बदलाव किया गया है। अब एक बार प्राथमिकता बताने के बाद दोबारा उसमें बदलाव संभव नहीं होगा। छात्रों को आवेदन करते वक्त सोच समझकर बताना होगा कि वे एनआईटी और आईआईटी संस्थानों में से किसमें दाखिला चाहते हैं। पिछले साल तक बदलाव करने का मौका मिलता था।

## आईआईटी कानपुर का 'बृहस्पति' सॉफ्टवेयर बंद

संतोष सिंह

कानपुर। मानव संसाधन विकास मंत्रालय (एमएचआरडी) का नेशनल मिशन ऑन एजुकेशन, इनफॉर्मेशन एंड कम्युनिकेशन टेक्नोलॉजी (एनएमआईसीटी) का महत्वपूर्ण ई-लर्निंग प्रोजेक्ट बुधवार से बंद हो गया। इसके लिए मंत्रालय ने बजट देने से इनकार कर दिया है। इस प्रोजेक्ट का संचालन 18 साल से आईआईटी कानपुर 'बृहस्पति' सॉफ्टवेयर के नाम से कर रहा था। शहर के एक्सिस इंस्टीट्यूट, वीएसएसडी कॉलेज और अपोलो इंस्टीट्यूट भी 'बृहस्पति' के ई-लर्निंग पोर्टल का इस्तेमाल कर रहे थे। इसकी मदद से स्टडी मैटेरियल निःशुल्क डाउन लोड करने की सुविधा मिल रही थी।

ई-लर्निंग प्रोजेक्ट की लॉन्चिंग वर्ष 1999 में हुई थी। इसके तहत आईआईटी कानपुर ने 'बृहस्पति' सॉफ्टवेयर का पहला, दूसरा और तीसरा वर्जन बनाया। स्टडी मैटेरियल उपलब्ध कराके तमाम एम्स, बीएचयू, आईआईएम, आईआईटी सहित 268 संस्थानों को जोड़ा गया। इंजीनियरिंग, मैनेजमेंट, मेडिकल, फाइनेंशियल और एकाउंटिंग से संबंधित 5500 ऑनलाइन कोर्स भी उपलब्ध कराए गए। इसी का नतीजा रहा कि लर्निंग पोर्टल के 18 हजार यूजर हो गए। 18 साल में करोड़ों का बजट भी खर्च हुआ लेकिन अब मानव संसाधन विकास मंत्रालय ने बजट देने से इनकार कर दिया। ऐसे में सत्र 2016-17 से 'बृहस्पति' सॉफ्टवेयर का संचालन संभव नहीं होगा। इसकी पुष्टि आईआईटी प्रशासन ने भी की है।

### Long hours of study not the success mantra for IITs: study

<http://www.thehindu.com/news/cities/Hyderabad/long-hours-of-study-not-the-success-mantra-for-iits-study/article8559234.ece>

Is there a correlation between the number of hours spent on studying and the ranks secured in IIT entrance test? A good JEE rank depends not just on the time spent, but also the innate ability of the candidate. This is what a survey of the 2015 batch of IIT-Bombay students done by *Insight*, the student newspaper of IIT Bombay reveals.

The survey reveals that barely five per cent of the candidates among top 100 rankers spent more than 12 hours a day to crack the JEE while 18 per cent of students above rank 5,000 spent the same amount of time in their preparation everyday. Among the top 2,500 rankers majority of them spent minimum of 4 to 7 hours a day for JEE preparation. Among those who ranked below 5,000 in JEE, over 40 per cent spent between 4 to 7 hours daily.

The survey, which is inspired by Harvard Crimson's Freshmen Survey, was conducted on the 2015 batch on diverse topics like their background before entering the IIT, political and religious beliefs and their plans for post-graduation.

Among the 875 newcomers 254 participated in the survey.

Among the top rankers very few people spent more than 12 hours of preparation dismissing the general assumption that students need to study long and not waste any time.

### IIT-H announces fellowship in healthcare entrepreneurship

<http://www.thehindu.com/news/national/telangana/iith-announces-fellowship-in-healthcare-entrepreneurship/article8559214.ece>

The Indian Institute of Technology-Hyderabad (IIT-H) has announced setting up of interdisciplinary Centre for Healthcare Entrepreneurship and fellowship in healthcare entrepreneurship.

According to a release here on Wednesday, the one-year fellowship training programme for healthcare entrepreneurs is conceptualised, administered and mentored by an international team comprising entrepreneurs, top U.S. and Indian

academicians, and biomedical industry. The training will be hands-on in a simulated entrepreneurial journey, and will be followed by an opportunity to incubate, giving access to technological expertise at IIT-H.

### **Stipend**

It will provide exposure to local and global VC partners and form cross-disciplinary founding teams of medicos, engineers and designers.

Candidates with a background in any engineering discipline or medicine with a passion for entrepreneurship in healthcare are eligible to apply for the fellowship, and all fellows will be paid a stipend of Rs. 50,000 per month during the training period.

At end of training, those shortlisted will qualify for an incubation grant. More details of the programme can be found at the website <http://hc.iith.ac.in>, the release stated.

### **IISc inks pact with French centre for research beyond 'god particle'**

<http://timesofindia.indiatimes.com/city/bengaluru/IISc-inks-pact-with-French-centre-for-research-beyond-god-particle/articleshow/52109976.cms>



BENGALURU: The Indian Institute of Science (IISc), on Wednesday signed an agreement for the creation of an International Associated Laboratory in collaboration with the French National Center for Scientific Research (CNRS) and other French and Indian institutes.

The collaborative lab under the International Associated Laboratory will see Indian and French particle physicists plan to join forces in efforts to unravel mysteries that even the finding of Higgs boson or 'god particle' as its popularly described.

In July 2012 the particle physics laboratory CERN (European Organization for Nuclear Research) in Geneva announced the discovery of the Higgs boson in an experiment at the Large Hadron Collider (LHC).

"While the discovery completed our current picture of elementary particles and forces among them, the majority of the mass of the universe is not visible to us and thus one of the aims of current research in particle physics is the hunt for this dark matter at the experiments at the colliders as well as those in the sky!," a statement issued by the French Consulate read.

Both Indian and French theoretical physicists, as well as experimental physicists working on experiments will work

together to advance understanding of new physics beyond the standard model, Higgs boson and dark matter, which will provide extraordinary opportunities to Indian scientists.

Mint ND 05/05/2016 P-08

## PRIORITY AREAS

# HRD ministry to focus on three key budget announcements

BY PRASHANT K. NANDA  
prashant.n@livemint.com

NEW DELHI

With no education bills in the pipeline, the human resource development (HRD) ministry has a new task at hand—to work on three key budget announcements on a priority basis.

Progress on the three announcements—setting up 20 world-class universities, a higher education finance agency and digital academic repository—is being monitored almost on a fortnightly basis. Ministry officials said that there is a “clear direction from the top to deliver on these announcements within a stipulated time frame.”

The time frame to wrap up the projects is the next six months—well ahead of the next annual budget, two government officials said requesting anonymity.

“The ministry is readying to spend ₹5,000 crore on creating 10 world-class universities at the government level,” said the first official.

The ministry will soon approach the expenditure

finance committee “for obtaining approval of ₹5,000 crore and it is expected to be ready by May-end”, the second official added.

In his budget speech on 29 February, finance minister Arun Jaitley said that the government will provide “enabling regulatory architecture” to 10 private and 10 public institutions “to emerge as world-class teaching and research institutions.”

India has been faring poorly in various global rankings of educational institutions. Just two of its higher educational institutions are in the top 200 QS World University Rankings in 2015-16 as against 48 in the US and 30 in the UK.

“This is a new priority for the HRD ministry. Before the second anniversary of the National Democratic Alliance government (on 26 May), the HRD ministry looks to make some real progress in terms of getting final nod from the cabinet and the expenditure finance committee of the government,” said the second official.

The University Grants Commission (UGC) has been asked

to make separate regulations applicable to a new class of educational institutions, which would form the distinct category—“world class institutions”, an internal note of the HRD ministry said.

Besides, UGC has been asked to make regulations for central government-funded and -owned deemed universities that can be converted into world-class institutions. “The UGC has formed a committee for the above purpose and draft regulations are expected to be ready by the end of this month,” the ministry note underlined.

“Internal consultations are also made with regard to enabling regulatory structure for 10 public educational institutions like central universities, IIT (Indian Institute of technology), IIM (Indian Institute of Management), IIIT (Indian Institute of Information Technology) and IISER (Indian Institute of Science Education and Research) etc. to emerge as world-class teaching research institutions,” the note underlined.

This means that while some of the existing government institu-

tions will be supported to become world class, in the private space both green field and brown field institutions will be allowed to apply and compete to get that tag.

Rupamanjari Ghosh, vice-chancellor of Shiv Nadar University (SNU) in Uttar Pradesh, said that her institution supports the move, and that SNU will be one of the young institutions to “compete” for the distinction in the private space.

Ghosh, however, said authorities need to carefully draft the regulatory requirements to make them “learner centric faculty driven” institutions. She said five key factors—a contemporary curricula, faculty profile, research grants, diversity and placement of students—will be key to achieving the goal.

Similarly, the implementation of the proposal for setting up a Higher Education Financing Agency (HEFA), has been fast tracked. As per the ministry note, a draft expenditure finance committee note has already been circulated among different ministries for views before the HRD ministry moves the cabinet for a formal approval.

HEFA will be a quasi-sovereign body which will tap bond markets and then lend the proceeds to educational institutions to fund future expansion and upgrade plans. HEFA has been allocated an initial amount of ₹1,000 crore in the budget.

# To prep students for new economy, B-schools revamp their curricula

Entrepreneurship workshops, global exposure are all part of the course now

DEEPA NAIR

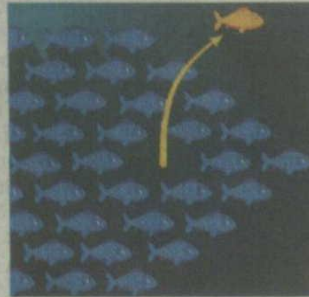
Mumbai, May 4

From compulsory courses on entrepreneurship to commerce and design thinking, the digital revolution and the rise of the e-commerce sector has forced most leading business schools to evolve their MBA curricula.

Ranjan Banerjee, Dean, SP Jain Institute of Management and Research (SPJIMR), said apart from the fact that there are more e-commerce jobs today, the digital ecosystem is a systemic part of business, including areas such as information management, finance and marketing. Keeping this in mind, SPJIMR recently launched a course in digital marketing, created in collaboration with industry representatives.

IIM-Indore did a major review of its curriculum in 2015 and introduced a new one for the 2015-17 batch.

"Separate workshop courses



## What are the institutions up to?

- SPJIMR has launched a course in digital marketing in collaboration with industry representatives
- IIM-Bangalore has an entrepreneurial development centre to nurture student-run ventures
- IIM-Indore offers workshops on entrepreneurial orientation; digital marketing, e-commerce are part of core courses
- IIM-Kozhikode offers elective courses on entrepreneurship and new ventures

on entrepreneurial orientation, innovation and design thinking were introduced in the new curriculum.

"Digital marketing and e-commerce-related topics are part of many of the core courses," said Prof Rishikesh T Krishnan, Director, IIM-Indore.

IIM-Kozhikode is also offering elective courses on entrepreneurship and new ventures in the second year. Apart from that a 20-hour 'Entrepreneurship Workshop' is compulsory for all students.

Prof Sourav Mukherji, Dean of Academic Programmes, IIM-Bangalore, said the current post-graduate programme (PGP) at the institute has greater empha-

sis than ever before on entrepreneurial thinking.

## Job creators

"As more young Indians now seek to become job creators, and with Bangalore being the national capital for start-ups, we have made entrepreneurship education a part of our PGP. We have a world-class entrepreneurial development centre, the NS Raghavan Centre for Entrepreneurial Learning, which nurtures budding entrepreneurs and student-run ventures," Mukherji said.

B-schools have also increasingly been focussing on providing a global exposure to their students. In 2014, IIM-B launched new international field courses

and dramatically raised the number of PGP students who travelled abroad for study, from 34 per cent of the batch to 64 per cent. In 2015-16, this number touched over 90 per cent.

"Given that a global perspective is imperative in today's interconnected world, we place a great deal of importance on increasing emphasis on globalisation of our programmes, our research and our impact. Such exposure prepares our students for leadership in the world economy," added IIM-B's Mukherji.

Similarly, Banerjee said since last year, SPJIMR has also been sending all its MBA students to the US for a one-month compulsory programme.