

## Newspaper Clips

### October 22-25, 2016

October 25

Financial Chronicle ND 25.10.2016 P-10

# Govt may offer OBC quota in varsities, IITs: Kushwaha

PRESS TRUST OF INDIA

NEW DELHI

THE government is in the middle of a process to offer quota to OBCs in recruitment of faculties in central universities and IITs as per "already existing" policies and will "soon" arrive at a decision in this regard, Union minister Upendra Kushwaha said on Monday.

Speaking to reporters here, the minister of state for HRD also said the NDA government will "soon" reach a decision to give OBCs reservation in list of students nominated to Jawahar Navodaya Vidyalayas every year.

The comments from Kushwaha, an OBC leader himself, assume significance as they come ahead of assembly election in Uttar Pradesh -- home to sizeable OBC population -- as constituents of NDA are pulling out all stops to woo voters there.

"... There is no provision for reservation for OBCs in recruitment of faculties, associate professors and professors in central universities, IITs. This is when the government of India has a policy of following reservation in



these places. In other words, this (not giving quota) is violation of the policy. We are now paying attention to this. We are in the middle of the process and soon we will arrive at a decision in this case too," Kushwaha said.

The minister said further said students from SC and ST communities have been offered reservation in list of between 80 and

100 students nominated to each of country's Jawahar Navodaya Vidyalayas from rural parts every year, but there is no such provision for OBCs.

"I was surprised to know this. Our ministry is now paying attention to this and we will soon arrive at a decision. An arrangement will be made for providing reservation in nomination for OBC students in these Vidyalayas," he added.

Kushwaha rued that strength of OBCs among Supreme Court and high court judges was "negligible". "OBC people will not get justice until they make it to the judiciary. The Constitution provides for Indian Administrative Service. There is also a provision for Indian Judicial Services. But it is not being followed up," he said.

He also pitched for giving quota to OBCs in private sectors and the sector of media too as the number of government jobs is "shrinking".

"Our party has taken up these programmes. We will take up the issue at the level of government and our workers will also hit streets if need be," the minister added.

Dainik Tribune ND 25.10.2016 P-5

## सुपर-30 ग्रुप' के फाउंडर आनंद कुमार छात्रों से रूबरू

# आईआईटी प्रवेश परीक्षा में खामियां

फरीदाबाद, 24 अक्टूबर (हप)

आईआईटी-जेईई एक्सपर्ट व सुपर-30 संस्थान के फाउंडर आनंद कुमार का मानना है कि आईआईटी प्रवेश परीक्षा में अभी भी काफी खामियां हैं तथा इन कमियों को दूर करना नितांत आवश्यक है। आईआईटी प्रवेश के लिए दो की वजाय तीन चांस दिए जाने चाहिए तथा आईआईटी प्रश्नपत्र का बेस नौवीं व दसवीं होना चाहिए। श्री कुमार मानव रचना इंटरनेशनल यूनिवर्सिटी में गरीब छात्रों को सफलता के टिप्स देने के बाद कैम्पस स्थित सभागार में पत्रकारों को संबोधित कर रहे थे।

श्री कुमार ने कार्टून के माध्यम से धनी रिक्की व अभावहीन छात्र भोलू का चित्रण किया। किस तरह रिक्की महंगे कपड़े पहनता है। पिज्जा-बर्गर खाता है। इसके



फरीदाबाद में सोमवार को सुपर-30 ग्रुप के फाउंडर आनंद कुमार मानव रचना यूनिवर्सिटी में छात्र-छात्राओं को संबोधित करते हुए। -शिव

विपरीत भोलू को खाने की किल्लत है।

स्कूल में भी जमीन-आसमान का अंतर है। फिर कैसे जिन व जुनून से भोलू इतिहास रचता है। इसे अभिभावकों व छात्रों ने खूब पसंद किया। उन्होंने कहा कि आप धनाढ्य हैं। यह एक सकारात्मक पक्ष है। इसके साथ अगर सरस्वती

66 गांव देहात में अध्वरत गरीब बच्चों को आईआईटी जेईई में प्रवेश पाने के अकसर मौके नहीं मिल पाते हैं क्योंकि उन्हें उस हिसाब से इंफ्रास्ट्रक्चर नहीं मिल पाता, जोकि शहरों में अभी छात्रों को मिलता है। 99

-आनंद कुमार, सुपर-30 संस्थान के फाउंडर

का बास हो तो फिर सफलता कई गुणा अधिक बढ़ जाती है। उन्होंने अभिभावकों को समझाया कि पैसे की धमक बच्चों के साथ न दिखाएं। शिक्षा के बिना कुछ भी संभव नहीं है। यह विचार शुरू से बच्चे के मन में डालने की जरूरत है।

## **IIT Delhi's Rendezvous: Euphoria dedicates performance to Indian soldiers**

<http://www.hindustantimes.com/music/iit-delhi-s-rendezvous-euphoria-dedicates-performance-to-indian-soldiers/story-I6LBWrMktmDb12KXdZyRN.html>



Palash Sen and DJ Bhaduri perform along with their band Euphoria, on day two of IIT Delhi's annual fest Rendezvous (2016).

The dhoom pichak at Indian Institute of Technology (IIT) Delhi's fest, Rendezvous 2016 was one helluva experience for youngsters attending the annual fest. Coming to stage after much-wait, the band Euphoria's lead singer Palash Sen soon made the crowd shout 'Bharat Mata ki Jai' and in quick succession announced, "We dedicate this show tonight to soldiers who are standing on the border. And for Pakistan we would like to say this (shows a fist)."

The band was performing for the fourth time at IIT, and Sen didn't mind flattering the IITians apart from making them groove to his music. He said during the performance, "After DU's Lady Shri Ram College for Women, IIT Delhi was the second college to invite us to perform and since then this is our fourth and the maximum number of times we have performed at any college."



Lead singer of the band Euphoria, Palash Sen, during the performance.

He added, "I went to a medical college, and can say that jo ladka-ladki IIT-JEE clear kar sakta hai, use achcha koi bhi nahi (that boy-girl who can clear IIT-JEE, there's no one better than them)!"

The act of Euphoria was the highlight of day two and drew massive young crowd from colleges across the city, including Delhi University. The stage was set by the four bands who competed in the Hindi rock band competition Spectrum. Post

this, the wait for the final showdown by Euphoria was made worth by the vocalists of the band TMKC (Teri Music Ki Chahat). With their versions of popular numbers such as Muqabala Muqabala, they kept the crowd entertained.



Enthusiastic crowd at IIT Delhi switched on mobile flashlights to ring in the countdown for Euphoria's performance.

Even on day one, street plays by various colleges and beat boxing competition kept the audiences' adrenaline rush high. The fun factor continued by Blitzkrieg – English rock band competition, which had the crowd head-banging. The love for Blitzkrieg was visible in its audience which comprised not just college but even school students. Kavya Vignesh, a class seven student and Urvi Butola, a class eight student were among these. Vignesh says, "This was our first metal performance. We have specially come with our families for this event. And it's so cool! We can't wait for Drowning Pool. They're my favourite band!"

One of the performing bands The Forbidden Ritual, had an embarrassing moment during Blitzkrieg, when its vocalist Shourya Mehta addressed the IIT Delhi crowd as "IIT Guwahati". The error elicited some boos and jests from the crowd.

## **FIRST TWO DAYS OF RENDEZVOUS, IIT DELHI, FULL OF ACTION**

<http://dubbeat.com/2016/10/first-two-days-of-rendezvous-iit-delhi-full-of-action/>



IIT Delhi's Cultural Fest, Rendezvous 2016, took off on 21<sup>st</sup> October, 2016. The day opened with the immensely energetic street play acts by the dramatics societies of various college like IIT-Delhi, Hansraj College and Kirori Mal College. The fest also hosted one its most awaited events on Day 1 which was the Campus Princess. Another much anticipated event of the fest, Mr. & Ms. Rendezvous 2016, saw huge participation from across Delhi. The finale round of the event consisted of two stage rounds. The judges then presented the prestigious title of Mr. Rendezvous to Monis Ahmad Khan of Jamia Milia Islamia University, and Ms. Rendezvous to Sanya Devgon.

Blitzkreig- the battle of bands, added to the energy of the day . Bands like High Frequency, Knight Shades, The Forbidden Ritual and many more gave power- packed performances. The first prize was bagged by Knight Shades and the second by the band High Time.

The first pro night of IIT Delhi featured Drowning Pool, an international rock band, that gave their first performance in India, and brought the first day to a close.

The second day kicked off with Tatva, the fusion band competition. The event witnessed participation from various colleges across the country. Infusion band of IIT Delhi stood first, while Chaos Theory of Shiv Nadar University came second. Twelve Strings of Vivekananda Institute of Professional Studies (VIPS) bagged the third position.

Mimansa, the street play competition was held simultaneously, where teams depicted various issues like the caste system and religion wars. The first prize was won by Ankahi – the dramatics society of IIT Delhi, while Anubhuti – the dramatics society of Janki Devi Memorial College (JDMC), and Ijaad – the dramatics society of PGDAV College (Evening) came second and third, respectively.

The day continued with several informal and competitive events like Voice of Rendezvous, Story Teller, Paintara, Scooter Stunts and Chakravayuh among others. It was followed by the event YouTubers United, where series of events celebrating the rise of these new celebrities took place. Its second series witnessed various pranksters like Rishabh Rai, The Teen Trolls, Love Rudrakash, The Trouble Seeking Team and The AVRprankTV.

The day concluded with Euphoria Band, energetically performing its various popular numbers.

## October 24

Times Nation ND 24.10.2016 P-1

# From 2017, IITs to have 528 seats more

**Somdatta.Basu**  
@timesgroup.com

**Kolkata:** The Indian Institutes of Technology (IITs) will implement a 5% increase in their total student intake from the next academic session.

The decision to increase the number of students — from 10,572 in the current academic session to 11,100 the next year — was taken at a recent meeting of the Joint Admission Board (JAB), which is the highest decision-making body of IIT-JEE (advanced). The meeting was attended by the chairpersons of all IITs.

While this increased number was to be absorbed by all 23 IITs, several of the older institutes said they wouldn't be able to immediately increase their intake with their current infrastructure. The country's premier engineering and tech scho-

**While this increase was to be absorbed by all 23 IITs, several of the older ones said they wouldn't be able to immediately increase their intake**

ols have also decided to admit 10% more foreign students, over and above the total student strength.

"We are in no position to admit extra students despite the government wanting each IIT to increase intake," said a senior IIT-Kharagpur official.

"Even if we build accommodation, classrooms and other infrastructure from government funding, it takes many years to build world-class laboratories which offer state-of-the-art facilities," the official said.

Hindustan ND 24.10.2016 P-11

# Centre plans to link varsity autonomy to performance

VIKAS PATHAK

**NEW DELHI:** The Human Resource Development (HRD) Ministry is considering linking the autonomy of higher education institutions to their performance as measured by the National Institutional Ranking Framework (NIRF).

The NIRF is a comprehensive ranking system for universities developed by the Ministry. The first NIRF rankings were released earlier this year.

### Three categories

“We are thinking of dividing universities into three categories — A, B and C — on the basis of their NIRF rankings,” HRD Minister Prakash Javadekar said. “The first will be most autonomous while the last will require more regulation.”

The A category will com-



Prakash Javadekar

prise institutions with high NIRF rank and these will be highest on the autonomy scale, the B category will comprise middle-ranking institutions with part autonomy but also government regulation, and category C will mean institutions with low ranking that will require greater regulation and hand-holding for improvement.

Mr. Javadekar said greater autonomy could imply a number of things, including the complete freedom to

have their own syllabi and curricula.

### Next round in April

The next round of NIRF rankings will be published on the first Monday of April 2017. As per the 2016 rankings, IIT Madras topped among engineering colleges, followed by IITs at Mumbai, Kharagpur, Delhi, Kanpur and Roorkee. IIT Madras had a score of 89.41.

Among universities, the Indian Institute of Science, Bengaluru, topped, followed by the Institute of Chemical Technology in Mumbai, Jawaharlal Nehru University in Delhi, Hyderabad University and Tezpur University. Among management schools, IIM Bengaluru was ranked first with a score of 93.04, followed by the IIMs at Ahmedabad, Kolkata, Lucknow, Udaipur and Kozhikode.

Dainik Bhaskar ND 24.10.2016 P-3

## आईआईटी दिल्ली में होगी स्कूलों की टेक्नोलॉजी क्विज

**नई दिल्ली |** आईआईटी दिल्ली में देश भर के स्कूलों की टेक्नोलॉजी क्विज का आयोजन 12 नवंबर को होने जा रहा है। इसमें एंट्री फ्री है, कक्षा 8 से 12वीं तक के छात्र इस क्विज में हिस्सा ले सकते हैं। हर स्कूल से दो सदस्यीय टीमों इसमें भाग ले सकती हैं। प्रतियोगिता का प्रारूप लिखित प्रीलिमनरी राउंड की सर्वश्रेष्ठ छह टीमों रीजनल फाइनल्स

के लिए क्वालिफाई करेंगी। फाइनल के लिए क्वालिफाई करने वाली एक ही स्कूल की कई टीमों में सबसे अधिक स्कोर करने वाली टीम को ही मंच पर बुलाया जाएगा। रीजनल फाइनल्स की विजेता टीमों दिसंबर में मुंबई में आयोजित होने वाले मेगा फाइनल्स में आपस में मुकाबला करेंगी। विजेता टीम एक एस्कोर्ट के साथ मुंबई भेजा जाएगा।

Hindustan Times ND 24.10.2016 P-3

# Car dealers told not to stock cars with old emission norms

**ENVIRONMENTAL CONCERNS** Supreme Court-appointed green body tells states not to register vehicles with standards lower than Bharat Stage-IV after March 31, 2017

Soumya Pillai

• soumya.pillai@hindustantimes.com

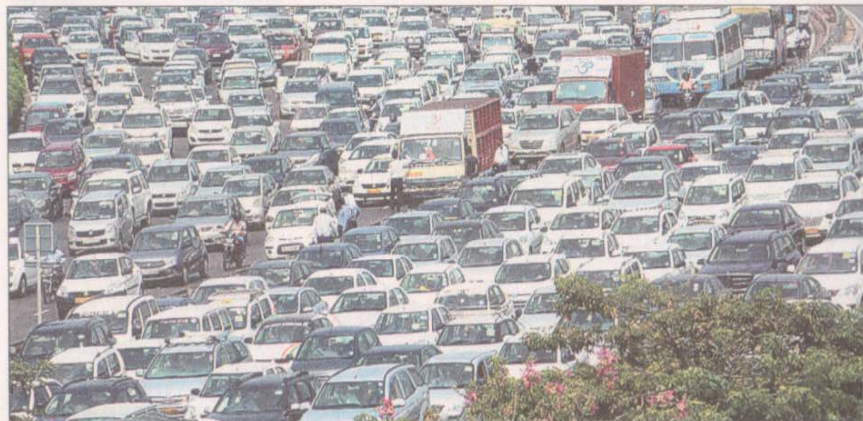
**NEW DELHI:** The Supreme Court-appointed Environment Pollution (Prevention and Control) Authority (EPCA) of Delhi and NCR has asked motor dealers not to stock Bharat Stage-III vehicles.

Sunita Narain, member EPCA and director general of Centre for Science and Environment (CSE), told HT that in a series of meetings conducted on Wednesday with vehicle dealers in Delhi and the NCR region, the deadline to phase out vehicles with BS-III and below emission standards, was reiterated.

"After April 2017 the sale and registration of vehicles not complying with BS-IV emission norms will not be allowed. There was a lot of hue and cry around the phase out but there has been enough time given to the dealers to phase out their stock," Narain said.

It has been six years since BS-IV was introduced in India in 2010. Last year, the Ministry of Road Transport and Highways also issued a draft notification making BS-IV norms mandatory across the country in a phased manner. The process started in October 2015.

At present, though comprehensive data is unavailable, experts estimate that out of the



• Studies have found that the compliance of BS-IV standards will reduce particulate emissions by 80% and nitrogen dioxide (NO<sub>2</sub>) levels by at least 31%.

RAHUL GROVER/HT FILE PHOTO

total vehicles registered in Delhi every day, half are still only BS-III compliant and below. About 1,500 vehicles are registered in the Capital every day.

Narain said that EPCA has written letters to all the state governments asking them not to register any vehicle with emission standards lower than BS-IV beyond March 31 next year.

Studies have found that the compliance of BS-IV standards will reduce particulate emissions by 80% and nitrogen dioxide (NO<sub>2</sub>) levels by at least 31%.

"The world has already moved towards BS-VI norms and we are

still reluctant in moving to BS-IV. We have been in constant touch with the manufacturers and all the companies have the type approval of BS-IV in place, then why delay," she said.

The government has set the deadline for introducing BS-VI norms in 2020.

Automobile experts, however, say that the transition from BS-III to BS-IV is a difficult one mainly because it will call for major technology changes from the automakers' end.

"A genuine problem which most automakers have sighted is that they have not got enough

time to upgrade their technology considering the two main elements — diesel particulate filter and selective catalytic reduction module — would have to be adapted to India's peculiar conditions, where running speeds are much lower than in Europe or the US," Dr Prashant Srivastava, mechanical engineering department, IIT (Delhi).

He said that a government report of 2014 said that four years after the introduction of BS-IV petrol penetration in the domestic markets of metro cities was 24% and that of high-speed diesel was only 16%.

Tribune ND 24.10.2016 P-6

## ₹6.25 lakh to be recovered from ex-VC's pension

SONEPAT, OCTOBER 23

The authorities at DCR University of Science and Technology, Murthal, have written a letter to Indian Institute of Technology (IIT), Delhi, to deduct Rs 6.25 lakh from the pension of retired IIT Prof Raj Pal Dahiya. He

relinquished the charge of VC in August this year. Prof Dahiya allegedly withdrew salary more than what is entitled to a VC besides circumventing deduction of pension equivalent to gratuity.

According to the university rules, the monthly basic

pay of a VC is fixed at Rs 75,000. If the VC is a retired person, the pension's basic pay amount is to be deducted from the salary.

Sources said, Prof Dahiya got his basic pay fixed at Rs 39,500 instead of the entitled pay of Rs 35,500. He

also did not allow monthly deduction of Rs 10,400 as pension equivalent to gratuity. KP Singh, registrar, said the authorities at IIT had been urged to deduct Rs 6.25 lakh from his pension, which was withdrawn in excess as salary. — OC

## Business Standard ND 24.10.2016 P-8

**'IIMs need to take a positive view on quotas'**

**PRAKASH JAVADEKAR**  
Union HRD minister

**When are you likely to announce the New Education Policy?**

We have a meeting of parliamentarians on November 10. It will be a full-day of workshop, where we will listen to their views on the subject. Suggestions have been received from all ministries and state governments. The issue will also be discussed in the Central Advisory Board of Education (CABE) meeting (on Tuesday).

We have received suggestions from nearly all stakeholders. I've met Christian groups, Sikh groups, Muslim groups, Vanavasi Kalyan Ashram... A committee will soon be constituted to prepare a final draft, which will then be sent to the Cabinet. The process should take four months. I'm listening to all stakeholders. The policy will have five pillars: Accessibility, quality, equity (social justice), accountability (of schools, institutions, etc), and affordability.

**Have you taken any final decision on the no detention policy and reintroducing board exams for 10th class students?**

A sub-committee has suggested a no-detention policy. We have received its report and this will be presented before the CABE for discussion and final decision. The Right to Education Act will need to be amended. There is a strong view that no detention has hurt the education system. If states disagree, they will be allowed to take their call and if all agree, we will amend the Act right away.

The decision on restarting board exams for 10th class students is also being considered. It has nothing to do with CABE; it's an administrative decision we need to take. Many people have demanded reintroduction of the exam. We are giving it serious thought and will take a decision

**PRAKASH JAVADEKAR** was sworn in as Union human resource development minister on July 12. Entrusted with a controversy-ridden portfolio, he recently completed a relatively uneventful 100 days in office. Javadekar tells Archis Mohan that his decision-making approach has been consultative and his efforts will be to build consensus on important issues among stakeholders. Edited excerpts:



soon. Neither the no detention policy nor reintroducing 10th board exams has anything to do with the New Education Policy.

**What has been your focus in your first 100 days?**

As soon as I took over, there was the Inter-State Council attended by chief ministers — the first such meeting in 10 years. All chief ministers spoke about the need to improve quality of education. This is also my agenda - to improve the quality of primary, secondary and higher education. To that end, we are promoting research and innovation centres.

**Where will the money come from for world-class laboratories?**

The Cabinet has approved the setting up of a Higher Education Finance Agency (HEFA). Under this, the government has committed ₹1,000 crore equity capital. We've issued a tender for banks to come forward and manage HEFA funds. The idea is that institutes leverage their resources from budgetary grants, plus assistance from banks, and also corporate social responsibility (CSR) funds and debt instruments to raise money. We expect in due course, ₹20,000 crore will be available.

We will not charge any interest on loans to universities and insti-

tutions. They will repay the principal amount from the additional incomes they will earn by getting more research assignments, etc.

**How do you plan to resolve the problems with the All India Council for Technical Education (AICTE)?**

I am streamlining both AICTE and the University Grants Commission. We're not issuing guidelines by the day. We are not modifying guidelines according to the court verdict. We are taking a holistic approach, seeing the problem through and through, and then we are going ahead with policy decisions. We want to bring more transparency and efficiency.

Our formula is to give more autonomy to good institutes; 50 per cent autonomy and 50 per cent regulation for middle-level institutes, while 80-90 per cent regulation for not-so-good institutes. We will have institutes classified according to the National Institutional Ranking Framework and also NAAC (National Assessment and Accreditation Council) ranking. We will consider both.

In distance learning, we will only allow it where there isn't any need for practical training. For example, social sciences. Where you require practical training, it

needs to be contact education. We will bring more clarity with our holistic guidelines on each issue and each sector, including on regulatory aspects and also the way grants are provided, institutes are classified, the way institutes are being monitored, etc.

**Are there any timelines?**

In one year, many things will happen.

**The Bharatiya Janata Party manifesto had talked about starting medicine and engineering education in Indian languages.**

I was in Israel last month. It is a nation of eight million people. Their medical, engineering and atomic sciences are in Hebrew. Fortunately, India has many languages. We need to improve all Indian languages. English also has a place in the Constitution. Material has to be developed in all languages. We need to prepare the wherewithal, create infrastructure and collect experts. We have asked all regional language universities that they prepare the material. We are not against any language. We are not against English.

**What are your views on affirmative action in the Indian Institutes of Management (IIMs)?**

There is a history to it. It's a legacy issue. Our constitutional provision for reservation is for every institution. However, in 1975, Indira Gandhi, the then prime minister, allowed IIM-Ahmedabad not to have reservation in faculty and some other posts. Other IIMs followed suit. We are advising the IIMs that they need to take a positive view and advertise the posts. But they complain they don't find candidates even after repeated advertisements. The alternative, then, is to fill posts from other categories. SCs (Scheduled Castes) and STs (Scheduled Tribes) should be given opportunity, but seats can't remain vacant if you don't get the candidates.

*More on business-standard.com*

**River pollution: IIT-D prof calls for database of sewage inlets**

<http://timesofindia.indiatimes.com/city/chennai/River-pollution-IIT-D-prof-calls-for-database-of-sewage-inlets/articleshow/55020771.cms>

CHENNAI: A database of inlets into rivers is what is needed to plug the illegal flow of sewage and effluents, said IIT-Delhi professor A K Gosain as he called for a scientific approach towards restoring polluted rivers. He was speaking at the

Regional Conference on Environment at TN Dr Ambedkar Law University on Sunday.

On the adverse impact of climate change on water resources, Gosain said, "The hydrological aspects of a river must be the basis for planning for development along a river plain." For the Ganga Rejuvenation Project, the professor said extensive data of every inlet along the gangetic plain must be mapped.

Stating that climate change could threaten biodiversity and alter coastlines, principal secretary to the state, rural development and panchayati raj ministry, Hansraj Verma, said, "Community participation is the building block of adaptation strategies towards climate change."

United Nations Environment Programme (UNEP) director Robert Oudhore stressed on the importance of the Kyoto Protocol, an international treaty to contain CO2 emissions, in combating climate change. Of the Paris Agreement, which India signed in April and ratified earlier this month, Oudhore said, "The Paris agreement provides a template for international communities to mitigate emission. The role of cities, regional and local authorities is the unique feature of the agreement."

He called for a clean development mechanism and hailed India as a leader in such an approach. Echoing similar views, Justice of Kerala high court A K Jayasankaran Nambiar said rapid development has ignored the impact of industrial emissions on climate change.

Chairperson of National Green Tribunal which organised the event, Justice Swatanter Kumar presided over the conference and the Madras high court chief justice Sanjay Kishan Kaul delivered the valedictory address.



**October 23**

Deccan Herald ND 23.10.2016 P-07

## Kumar Mangalam Birla is IIM-A's new chairman

**AHMEDABAD, DHNS:** Kumar Mangalam Birla, the 49-year-old chairman of \$41 billion industrial conglomerate Aditya Birla Group, is all set to take over the reigns as chairman of the Indian Institute of Management Ahmedabad (IIM-A).

The premier B-school has been without a regular chairman since January, when the previous chairman A M Naik, CMD of L&T, resigned citing "paucity of time".



**Kumar Birla**

Though the Union HRD ministry is yet to make an official announcement on Birla's selection, his name was confirmed to *DH* by Pankaj Patel, CMD of the Zydu Cadila group and head of the three-member search panel set up to look for a new IIM-A chairman. Patel has also been holding charge as the interim chairman of the IIM-A board currently.

The selection of Birla as the new chairman of the IIM-A board was also confirmed by another person close to the business tycoon, on condition of anonymity.

Sunday Standard ND 23.10.2016 P-18

# Kanpur Metro to chug on IIT-K, Motijheel route first

In the principal stage, the Metro train will be running between IIT-Kanpur and Motijheel. This is a need segment as chosen by Lucknow Metro Rail Corporation (LMRC), which has been entrusted with the assignment of dispatching the Metro in the city. IIT-Kanpur and Motijheel fall on Naubasta course and it is nine kms in length. The second course for metro is between CSA University and Barra-8.

The stations falling in the need area are IIT-K, Kalyanpur, SPM Hospital, Kanpur University, Gurudev crossing, Geeta Nagar, Rawatpur, GSVM Medical College and Motijheel.

The development of stations will start on the course between IIT-K and Motijheel first. Once the metro will begin operations between these two focuses, development on the remaining course will continue. When the metro venture will get green signal from the Central government, the foundation stone of undertaking would be laid and work begin.



The overseeing executive of LMRC, Kumar Keshav said in Lucknow that Japan International Cooperation Agency (JICA) and European Investment Bank (EIB) have studied the course of Kanpur metro and one of them would subsidize the undertaking.

He said Union urban improvement service is to offer endorsement to Kanpur metro. The detailed project report (DPR) has, as of now, been prepared by RITES and LMRC and sent to Centre for endorsement.

## Infosys extends helping hand to IIT-Kharagpur

<http://timesofindia.indiatimes.com/city/kolkata/Infosys-extends-helping-hand-to-IIT-Kgp/articleshow/55009008.cms>

KOLKATA: Infosys Foundation, the philanthropic arm of IT giant, has signed an MoU with IIT-Kharagpur to fund travel (preferably for women) to 'Top International Conferences' and the research on the antiquity of Indus Valley, which is being carried out by the premier institute in association with the Archaeological Survey of India.

The initiative has been jointly undertaken under the leadership of Infosys Foundation chairperson Sudha Murthy and IIT-Kgp director Partha Pratim Chakrabarti. "While advanced education helps us leap forward, studying ancient civilizations enables us to reflect on the culture of bygone societies. Infosys Foundation recognizes the importance of both and is committed to supporting programmes in both these areas," Sudha Murthy said. Murthy, one of the members of the board of governors at IIT-Kharagpur, had earlier donated Rs 5 crore to Presidency University. "It will be a great initiative as the decision will inspire many more women research scholars and students to come up with some very innovative work, publish journals or papers and take part in internationally acclaimed global conferences," added Chakrabarti.

Every year, over 250 students participate in international conferences. Murthy has proposed to provide Rs 20 lakh from her own resources to support women students for such conferences. "Such conferences have been beneficial to students in networking for their doctoral and postdoctoral programmes. With support from Infosys Foundation, eight to 10

meritorious girl students will be selected by a committee at IIT-Kgp to be sent to top conferences. These students will have Infosys Foundation mentioned in their presentation," added S K Ray, dean (postgraduate studies research).

Anindya Sarkar, lead investigator of the Indus Valley project, felt the funding had come at a right time when "we just unearthed some old Indus valley settlements in India. We are seeking permission from ASI for excavating a specific site and the grant will be used for studying the causes of climate change using latest techniques of isotope and faunal analysis."

Hindu ND 23.10.2016 P-10

RESEARCH

# Finding the right waves to cut breast cancer

A team at IIT-Ropar is trying to use radio waves to treat this form of cancer, which is the most common cause of cancer deaths among women in India

JACOB KOSHY

**T**he International Agency for Research on Cancer, a World Health Organisation agency that decides on the carcinogenicity of a vast list of things, lists radio waves — those emitted by mobile phones, for example — as a "possible carcinogen". However a team of researchers at the Indian Institute of Technology, Ropar (IIT-R), in Punjab, are trying to use radio waves to treat breast cancer, the most common cause of cancer deaths among women in India.

## Radio waves for treatment

Radio waves are a big chunk of the electromagnetic spectrum and indispensable for the working of several of our communication devices from radios to satellites. However, the higher the frequency of electromagnetic waves, the more energetic they are and the greater their chances of being harmful to the body. To tune radio waves for therapy, scientists employ the low- and medium-frequency range. Over the years this insight has been used to alleviate minor ailments such as neck and back pain but with improvements in how these waves can be finely controlled, there's now increasing attention to using it to treat cancer.

In radiofrequency ablation treatment or RFA, cancerous tissue is burned off by poking a needle electrode through the skin into the tumour. Determining the right places to insert the needle needs high-resolution images of the infected re-



**FUTURE FRONTIER:** The device, called the Proportional Integrative Derivative system, promises to make breast cancer surgery safer and less invasive. Picture shows the team at IIT-Ropar with the device. —PHOTO: IIT ROPAR

gion that are taken through a range of instrument such ultrasound, computed tomography (CT) or magnetic resonance imaging (MRI). The high-frequency electrical currents are passed through the electrode, creating heat that destroys the cancer cells.

According to the American Radiology Association, RFA is an effective treatment option for patients who might have difficulty with surgery or those whose tumours are less than one and a half inches in diameter. The success rate for completely eliminating small liver tumours is greater than 85 per cent.

According to Dr. Ramjee Repaka, an associate professor at IIT-R, RF

**Were radiofrequency ablation treatment to be successful, it could emerge as a competitor to chemotherapy**

treatment for cancer is still an emerging area of research. It works better for liver cancer simply because liver tissue is relatively smooth and homogenous and therefore easier to image. He and his associates are more ambitious and want to tackle breast cancer, where cells are often clustered together and have vague boundaries, which makes successful detection

extremely challenging.

"Breast tissue is far more difficult to model and so there's been little attention paid to it so far," says Dr. Repaka. In preliminary investigations in his lab so far, the researchers have tested these waves on synthetic gels that mimic breast tissue. "The challenge is to find the optimum temperature and the duration to safely target the radio waves," he adds, "the next steps are to attempt this in cell lines (real tissue)."

Were such therapies to be successful, they could emerge as a competitor to conventional radiation and chemotherapy to treat cancer. Because they employ low-

frequency waves, RF treatment would be far less likely to damage healthy tissue and also avoid the unpleasant side effects of such therapy.

## An emerging area of research

Dr. Repaka may be helped by a report, this week, in the journal PLOS One. A team of researchers consisting of mathematicians from the Madras Christian College, Trinity College, Dublin and Christian Medical College, Vellore, claim to have applied a technique — usually used for detecting damaged surface areas on underwater marine structures such as bridge piers, offshore wind turbine platforms and pipelines — to distinguish healthy breast cells from infected ones.

While this work would typically be done by an expert team of pathologists, the researchers report having made a crucial step forward in automating the process while maintaining accuracy.

Professor Joy John Mammen, from the Christian Medical College, Vellore, India, said in a statement: "Detection of cancerous nuclei in high-grade breast cancer images is quite challenging and this work may be considered as a first step towards automating the prognosis."

There aren't yet any reliable estimates of how affordable such treatment is likely to be given that they are still in preliminary stages of testing.

Dr. Repaka was optimistic that it would be possible to ensure that patients would need fewer sittings or longer treatment than conventional radiation therapy.

jacob.koshy@thehindu.co.in

Sunday Standrad ND 23.10.2016 P-01

**HIGHER EDUCATION**

# Full Autonomy for IIMs Soon

A quiet revolution is happening in the HRD ministry with Javadekar set to free IIMs from government control and make them globally competitive

SHEKHAR YADAV



Prakash Javadekar

By MANISH ANAND

**New Delhi:** In line with the stated goal of Prime Minister Narendra Modi to develop 20 world-class institutions in the country, the government is set to grant full autonomy to Indian Institutes of Management (IIMs). Union Minister for Human Resources Development (HRD) Prakash Javadekar is expected to move the Union Cabinet soon with a legislative proposal for the same. This follows the briefing NITI Aayog

vice-chairman Arvind Panagariya gave the PM, where he argued that precious time should not be wasted in waiting for reforms in the UGC and AICTE to achieve the creation of world-class educational institutions.

Javadekar had earlier moved the bill for inter-ministerial discussions. The law ministry is learnt to have favourably responded to the proposal. The government is likely to table the bill in Parliament soon.

Continued on Page 6

## End to President's Power as IIM Visitor to Review Work

By MANISH ANAND

**New Delhi:** Sources said that the HRD Minister told IIM Board of directors that soon they will never need to approach the government for approvals or permissions. "Only if you invite, will I or anyone from the government come to any of the IIMs. We will soon grant you the freedom that you should enjoy," Javadekar is learnt to have said at the meeting.

Of the 20 institutions which have been identified for transformation into world class entities, 10 will be from the public sector. The rest will be private. The NITI Aayog had apprised Modi that autonomy for IIMs will fast track the set goals. The discretion of the govern-

ment through the power of the President as a Visitor to review the work of the IIMs will end, sources said, while adding that the Board of Governors will have full freedom to choose the directors. The government will relinquish its power in the IIMs' coordination panels, sources said.

This comes as a marked departure from the times when Javadekar's predecessor Smriti Irani, now the Union Minister for Handloom and Textiles had locked horns with IIMs on giving up government control over matters such as appointments of directors. She had even reportedly clashed with the Prime Minister's Office (PMO) over the functioning of the IIMs.



Prakash Javadekar

**October 22**

## **Online portal for IIT-JEE**

<http://timesofindia.indiatimes.com/city/chennai/Online-portal-for-IIT-JEE/articleshow/54987384.cms>

Minister for school education K Pandiarajan launched an exclusive online portal to coach IIT-JEE aspirants. The site is hosted by Chennai-based career enhancement company SMART Training Resources. Students may log on to [www.iitjeeonline.com](http://www.iitjeeonline.com).

Deccan Herald ND 22.10.2016 P-7

## **Centre mulls over single entrance test for engg courses**

**NEW DELHI, DHNS:** The Centre is mulling over a single entrance test for admissions to engineering colleges across the country, buoyed by its experience with the National Eligibility-cum-Entrance Examination (NEET) for admissions to medical and dental colleges following an order of the Supreme Court.

“We are considering JEE (joint entrance examination) for admissions to all technical institutes. It is in a preliminary stage and being discussed,” a top HRD Ministry official said.

The Ministry will hold consultation with the stakeholders, including the States, he added.

“The NEET is already being conducted for admissions to medical colleges. We are now considering whether a single

entrance test is feasible for admissions to all engineering colleges, keeping students’ interest in mind,” he said.

The JEE is currently conducted in two parts—JEE (Main) and JEE (Advance). The HRD Ministry, however, has decided not to continue with 40 % weightage given to students’ class XII board exam marks in the nationwide test from 2017. A joint committee of Indian Institutes of Technology (IITs) and National Institutes of Technology (NITs) had disfavoured it.

The students’ scores in the board examination will remain a “crucial parameter” for determining their eligibility to write the nationwide test, it said, announcing the changes made to the JEE scheme few

months back.

“For candidates to qualify for the JEE examination, they shall have secured at least 75 % marks or be in the top 20 percentile in the Class XII examination conducted by respective Boards,” it said

Students belonging to Scheduled Castes and Scheduled Tribes will be eligible to take the nationwide test if they secure 65 % marks in the Class XII board examination.

A standing committee of the IITs has recommended that the JEE-Main be replaced by an Engineering Aptitude Test from next year. The Centre tried to introduce ‘one nation, one entrance’ for admission to engineering colleges under the previous UPA regime but did not succeed.

Asian Age ND 22.1.2016 P-5

## **Easier norms for IITs’ foreign staff**

**New Delhi:** The government will ease regulatory norms to make it easier for foreign faculty to be appointed in the Indian Institutes of Technology (IITs).

According official sources, the Union human resource development ministry has put forward a proposal to the ministry of external affairs and the home ministry to ensure the norms related to allowing foreign faculty are made easier.

“The HRD ministry has proposed that norms related to allowing qualified foreign faculty to teach in the IITs be eased. Both MEA and home ministry have been positive in this regard during the consultations,” a source said. — PTI

Dainik Bhaskar ND 22.10.2016 P-10

# इंदौर बन गया शिक्षा और आईटी का बहुत बड़ा हब : वित्त मंत्री

इसे हम आईटी के क्षेत्र में बेंगलुरु और हैदराबाद से भी बेहतर बनाएंगे

भारकर न्यूज़ | इंदौर

वित्त और वाणिज्यिक कर मंत्री तथा इंदौर जिले के प्रभारी मंत्री जयंत मलैया ने शुक्रवार को इंदौर - खंडवा रोड पर पुराने आईटी पार्क के समीप 45 करोड़ रुपए की लागत से बनने वाले नए आईटी पार्क भवन का भूमिपूजन किया।

मलैया ने भूमिपूजन के बाद कहा कि इंदौर मप्र की औद्योगिक और वाणिज्यिक राजधानी है, अब शिक्षा और आईटी (सूचना प्रौद्योगिकी) का बहुत बड़ा हब बन गया है। इसे हम आईटी के क्षेत्र में बेंगलुरु और हैदराबाद से भी बेहतर बनाएंगे। उन्होंने कहा कि इंदौर में सूचना प्रौद्योगिकी की व्यापक संभावनाएं हैं। एक आईटी पार्क पिछले दो साल से काम कर रहा है। जहां से हर साल 180 करोड़ रुपए के सॉफ्टवेयर देश-विदेश में निर्यात हो रहे हैं और इस आईटी पार्क में देश-विदेश की 12 आईटी कंपनियां काम कर रही हैं। यह आईटी पार्क



आईटी पार्क भवन के भूमिपूजन के दौरान मलैया ने दीप प्रज्वलित किया।

5 हजार वर्गफीट क्षेत्र में फैला है। मलैया ने कहा कि आज जिस आईटी पार्क का भूमिपूजन किया गया है, वह 2 हजार वर्गफीट में निर्मित किया जाएगा। इसके पास में अगले दो वर्षों में तीसरे आईटी पार्क का भूमिपूजन किया जाएगा। आईटी पार्क बन जाने से हजारों युवाओं को रोजगार मिलेगा। आईटी कंपनियां

उसी जगह अपने उद्योग का विस्तार करती हैं, जहां पर इंटरनेशनल फ्लाइट और इंटरनेशनल स्कूल की सुविधा हो। इस अवसर पर वाणिज्य एवं उद्योग मंत्री राजेंद्र शुक्ल ने कहा कि राज्य शासन उद्योगों के विस्तार और युवाओं को रोजगार देने के लिए कृत संकल्पित है। नया आईटी पार्क अपने इस उद्देश्य में निश्चित रूप से सफल होगा। राज्य शासन 10 क्षेत्रों में उद्योगों को प्राथमिकता दे रही है, जिसमें आईटी पार्क भी है। शुक्ल ने कहा कि मप्र में उद्योग की व्यापक संभावनाएं हैं।

यहां सड़क, बिजली और पानी की पर्याप्त उपलब्धता होने के कारण उद्योगपति उद्योग लगाना चाहते हैं। इन्वेस्टर्स समिट-2016 इसी उद्देश्य से आयोजित की जा रही है। उन्होंने कहा कि नया आईटी पार्क भवन मात्र डेढ़ साल में पूरा हो जाएगा। यह आईटी पार्क भवन 8 मंजिल होगा तथा 38 मीटर ऊंचा होगा। यह भवन पर्यावरण के अनुकूल होगा। निर्माता द्वारा यह कोशिश की जाएगी कि हर कमरे में प्राकृतिक हवा और प्राकृतिक रोशनी पहुंचे और बिजली की कम से कम खपत हो। यहां 24 घंटे बिजली-पानी की सुविधा रहेगी।

Hindu ND 22.10.2016 P-8

## 100 per cent summer placement offers for IIM-K students

SPECIAL CORRESPONDENT

**KOZHIKODE:** Over 100 firms, including high-profile multinational companies, showed up last week to pick up for summer placement all the 364 students in the 2016-18 MBA batch of the Indian Institute of Management, Kozhikode (IIM-K).

The largest batch ever at the 20-year-old IIM-K, these students will get on-the-job training for two months next summer at 119 firms. The 100 per cent summer placement

offers, that too concluded in just six days, was a record of sorts for the institution, IIM-K officials told *The Hindu*.

### High-profile brands

The 119 firms that participated in the summer placement event were nearly 50 per cent more than last year. The high-profile brands included Microsoft, Google, Goldman Sachs, JP Morgan, American Express, and Boston Consulting Group. One company alone

selected 13 students; six were selected for various projects of the Kerala government, including the Kudumbasree.

A couple of start-up companies at Infopark, Kochi, too selected internees, showing a wide variety of enterprises interested in the IIM-K products.

Most of the internees will be paid handsome stipends, the largest on offer is Rs. 1.25 lakh a month. Nearly half of the students opted for sales-and-marketing training, with finance following.

Deccan Herald ND 22.10.2016 P-10

## Craft an innovative education policy

The policy outcomes will be tested for the innovative measures to ensure quality of the university product.

By R M Ranganath

**M**ahatma Gandhi's concern about the way education is defined and pursued—that it is only to enable the student to earn more and hardly giving any thought to the improvement of the character—remains a central focus of all global reformist agendas.

Pressures of bludgeoning population, technological revolution, globalisation and an increasing demand for access to quality education have forced the Higher Educational Institutions (HEIs) to redefine their conventional goals. Reputed journal Nature (special issue, The University Experiment, December 2015) identifies the emerging demand for a transformation from education for knowledge mode to education for employment mode as the game changer.

Given this global trend, the National Education Policy (NEP) 2016 has to craft an innovative policy with employability and personality development components strategically positioned around a core matrix of knowledge-related activities.

The success of NEP depends on two fundamental issues: First, empowerment of both HEIs and teachers at the cutting edge of all knowledge-related activities should go hand in hand. Second, connecting primary, secondary and university education should consider the unfortunate reality that inadequate programme implementation at the lower levels so far has had retarding effects (performance drag) at the next higher level.

For instance, language proficiency, particularly in English, is still a major problem even at the UG and PG levels. Many of the states have opted for local language as the medium of instruction even at the PG level. Absence of quality text books in the local medium of instruction, particularly in a rapidly developing global knowledge environment, has further compounded the problem.

States may establish a Centre for International Languages (CIL), modelled as a proactive inter-university accelerator with focus on English, French, German, Chinese, Spanish, Japanese, Korean, Russian etc. Activities may include: i) Networking HEIs using state-of-the-art communication technologies and delivery systems to create a "language hub"; ii) Development of modules for teaching at UG/PG levels and "Teach the Teachers" Programmes, covering primary and secondary school educators; iii) Serve as a novel platform for the HEIs to access global expertise; and, iv) Offer online courses for the benefit of distance education learners and entrepreneurs. State language could play a key role in knowledge transfer

activities to elevate CIL to an 'international culture hub'.

For conventional courses (BA, BSc) where the problem manifests the most, two approaches seem relevant: a) using of the Choice-Based Credit System (CBCS) to insert employability and entrepreneurship components as one of the choices under discipline and skill-based electives, and b) develop novel Fusion Courses – BA and BSc (Industrial Production)—by customising the UGC subject templates and participation of all the three disciplines of science, humanities and management. Joint certification by the HEI concerned and the industry partner/proposed Sector Skill Council could authenticate the training imparted by these courses.

### Intermecine tussle

Creation of a separate cadre of education administrators (IES) should be shelved. The NEP should note the intermecine tussle for positions and supremacy between academics and babus. An additional layer of turmoil is avoidable.

Key areas include cost-effective knowledge delivery systems and modern instrumentation. Although UGC has established inter-university accelerators (incubators), they are only in a few chosen thrust areas.

There is enormous scope for establishing many such institutions to leverage higher education services in a big way. For this purpose, the proposed number of 100 incubators may be increased to help states to set up a unique category of institutions - State Inter University Accelerators. In Karnataka, for example, one such "knowledge hub" could leverage capacity building of 30 universities and over 4,000 colleges, some located in remote, rural areas.

The current metrics to measure research output is in terms of publications in journals with impact factor; higher the impact factors of the journals, higher the credit given to the researcher. Given that there are very few Indian journals with high impact factor, a culture of publishing in foreign journals has taken strong roots in assessment and accreditation. Such publications also involve transfer of copyright to the journal of publication, that is transfer of potential intellectual property rights. Publishing high quality Indian journals/books is the only solution.

The NEP outcomes will be tested to the hilt, particularly for the innovative measures to ensure quality of the university product. The state and Central governments have to play their key roles, more as enablers rather than overwhelming, administrative regimes. All stakeholders need to demonstrate a commitment to promote HEIs as centres of alternative values rather than mirroring the rampant commercial activities in the society. True, it is a huge task, but it has to be accomplished for succeeding in a highly competitive 21st century knowledge society. (The writer is retired Professor of Botany and former Registrar, Bangalore University)

Deccan Herald ND 22.10.2016 P-7

# CBSE moots restoration of Class X board exam

## Javadekar says advisory board to take final call

**NEW DELHI, DHNS: The CBSE has favoured restoration of compulsory board examination in its schools from the academic year 2017-18 with 80% weightage for summative (board examination) and 20% for school-based assessment.**

"Students will have to secure 33% marks in each to pass the examination," the board has proposed on the basis of feedback it received from parents, teachers in an online survey.

More than 65% parents/students and close to 85% principal/teachers, who submitted their response to the survey on the continuous and comprehensive evaluation system, favoured restoration of compulsory board examination, the CBSE said.

"As much as 57% parents/students and 65.665% principals/teachers opined that the option to choose between school based Class X examination and examination by the board had resulted in reduced commitment to learning," it added.

A committee set up by Educational Consultant India Limited, a public sector unit, has also favoured reintroduction of the compulsory board examinations for students of Class X.

However, Union Minister Prakash Javadekar on Friday said the Human Resource De-

velopment (HRD) Ministry has not yet taken any decision on whether to reintroduce Class X board examination or not in schools affiliated to the Central Board of Secondary Education (CBSE).

"There are demands from parents to reintroduce Class X board examinations. That's why we have listed the issue in the agenda for upcoming meeting of the Central Advisory Board on Education (CABE). But we have not taken any decision on it," he told DH.

The minister's clarification came when asked if the government was going to end grading system in the CBSE schools and bring back old system of holding board examinations for Class X, which was scrapped in 2010 to introduce grading system and continuous and comprehensive evaluation (CCE) of students' performance.

He also dismissed reports about the Centre's plans for reintroducing compulsory board examinations for students of class X from 2018.

"The issue will be discussed at the CABE meeting. A decision on whether or not to make Class X board examination compulsory will come later," the Union Minister said.

The CABE, which is highest advisory body on education, is scheduled to meet here on October 25.