

Newspaper Clips May 29, 2014

Indian Express ND 29/05/2014 P-9

New IITs on top of Smriti agenda

ANUBHUTI VISHNOI

NEW DELHI, MAY 28

WITH Smriti Irani taking charge of the Human Resource Development (HRD) Ministry, among the key items on the agenda are a set of new Indian Institutes of Technology (IITs).

It is learnt that in her first meeting with the Education Ministry officials, Irani explored the possibility of setting new IITs especially in states which do not have one. There are 16 IITs now — with eight set up in 2009.

As many as eight states do not have an IIT and Kerala and Karnataka have been prime contenders for one. The other states without an IIT are Jharkhand, Uttarkhand, Goa, Sikkim and Chhatisgarh. While an IIT has already been promised for Seemandhra, there is also an argument for more IITs in the North East.

However, setting up new IITs is not exactly an idea that the bureaucracy at HRD ministry will welcome. The ministry officials are learnt to have explained to Irani that shortage of both faculty and funds will make it difficult to set up any more new IITs.

The ministry, in fact, has been having a tough time with the new IITs set up in 2009 with availability of land and faculty proving major hurdles. The view in the ministry is that any new IITs should be set up only on the condition that land is made available and infrastructure readied before a new IIT is made operational.

Irani also singled out two other ideas delineated in the BJP manifesto — to set up a National E-library and a Central University of Himalayan Technology. While these will take longer to materialise,

Irani's first few decisions as HRD minister are likely to include a salary hike for over 25 lakh cook-cum-helpers serving the Mid-Day Meal programme across the country.

The HRD minister's views on the appointment of Vice Chancellors to 14 Central Universities — pending from the preceding government — will also be closely watched. Senior BJP leader and former HRD minister Dr Murlu Manohar Joshi had written earlier this month to President Pranab Mukherjee demanding that the appointment process be left to the new government.

Irani's stand on the Four-Year programme at Delhi University at a time when the BJP students' wing Akhil Bhartiya Vidyarthi Parishad (ABVP) is agitating against it, will also be significant.

The first of HRD ministry's proposals to go to Cabinet will be a proposal to link the cooking cost to the wholesale price index to counter the effects of inflation on the programme and to double the honorarium to cook-cum-helpers from Rs 1,000 per month for a period of 10 months to Rs 2,000 per month for all 12 months.

What Irani is looking at: IITs in every state, review of DU's FYUP

Akshaya Mukul | TNN

Sanjeev Rastogi

New Delhi: HRD minister Smriti Irani has given a list of 60 priority areas to her officials and asked them to work in that direction. The list is a mix of progressive initiatives, the Sangh Parivar's ideas on education and the Gujarat model on teachers' training. During her meeting with senior officials, she asked each of them to come up with big ticket ideas.

Irani wants her ministry to give an assessment of Delhi University's four-year undergraduate programme (FYUP), look into the possibility of setting up IITs in all states as well as Yale-Pan IIT network and map the best education practices in the country. At the same time she wants ministry to see how Vedic studies can be given prominence. "How can we involve traditional vedic education? What about education for life in-



Union ministers Najma Heptulla and Smriti Irani greet each other after paying homage to Swatantryaveer Vinayak Damodar Savarkar on his birth anniversary at Parliament House on Wednesday. **For steps to download and use the Alive app, see P 2**

stead of degrees?" she asked senior ministry officials.

Also, instead of directly changing NCERT school textbooks, the ministry officials have been asked to compile complaints about "textbooks and curriculum" from parents. A minis-

try official said, "National Curriculum Framework is changed every ten years. It is due now. First the NCF will be reviewed. Textbooks will be changed on the lines of new NCF." Irani wants ministry to take up teaching of mathematics and science

in madaras and ensure adequate steps to stop sexual abuse in schools.

Among the priority areas, Irani wants a national association of parents so that their voice is heard in all aspects of education. "Parents are the most important stakeholders but their voice is never heard. It is a good initiative," said one official.

The new minister also wants to evaluate the contribution of alumni network in the growth of an institution. She also wanted reforms in legal education but since the subject is handled by law ministry it is unlikely that HRD ministry will be able to do anything. "We can build a synergy," a source said.

Irani has made it clear to officials that all ministry notes and papers should be precise with sub-heads like background, current status, challenges, stakeholders and possible solution.

National Green Tribunal taps IIT's expertise

Seeks advice on dumping of waste in Yamuna, coverage of stormwater drains

Anumeha Yadav

NEW DELHI: The National Green Tribunal (NGT) on Tuesday reserved its final orders on two applications, one with regard to dumping of waste and debris and encroachment in the Yamuna's floodplains, and the other challenging civic agencies' coverage of stormwater drains hampering drainage, while it sought technical advice from the Indian Institute of Technology, Delhi, before passing its final order.

"There should be a prohibition on discharge of sewage into the Yamuna. At present, sewage is being discharged into stormwater drains at 28 main points. Take this in a separate pipeline and take it 80 km away from the city, build a sewage treatment plant and ensure the sewage



STATE OF STORM WATER DRAINS

- No consolidated data exists on Storm Water Drains (SWDs)
- Multiplicity of authority as several agencies like MCD, DDA, PWD maintaining SWDs
- In 2013, Department of Irrigation & Flood Control commissioned new Drainage Master Plan by IIT-Delhi to update 1976 Plan
- Both Delhi Municipal Corporation Act 1975 and the Water Act 1974 prohibit pollution of SWDs through sewage, etc.

is treated entirely," said Justice Swatanter Kumar before issuing the order on Tuesday.

The Bench has requested Professor A.K. Gosain of Department of Civil Engineering at IIT-Delhi to submit a two-page technical advice on the stormwater drains of the city and what should be done to preserve them.

The Bench has also asked for advice on how maintenance of stormwater drains,

some of which are hundreds years old, may help check and reduce pollution in the Yamuna. It has asked for the Director of IIT-Delhi to be present at the Tribunal on May 30.

The NGT was hearing a 2012 application by Manoj Mishra of the Yamuna Jiye Abhiyaan related to dumping of solid waste and construction debris into the Yamuna along with a 2013 application

by the Yamuna Jiye Abhiyaan challenging the coverage of the city's stormwater drains under the Municipal Corporation of Delhi (MCD)'s Shahdara Link Drain project.

"These drains used to be the tributaries of Yamuna and now they are being destroyed and being used to carry sewage," said Manoj Mishra, the applicant in NGT. Mr. Mishra said cov-

ering of stormwater drains could lead to urban flooding, loss of natural green cover, and also loss of groundwater recharge potential. It would also make it difficult to desilt drains, he said.

On January 27, a committee headed by Secretary (Environment) inspected Satpula drain (in Chirag Dilli, Panchsheel Enclave, Defence Colony) and Shahdara drain and recommended that stormwater drains not be covered as it was harming the local ecology and reducing total flow area. The committee said that the covering of drains may further lead to encroachments through setting up of markets, and parking lots. It suggested that trees be planted along stormwater drains.

The next hearing is on May 30.

Business Line, ND 29/05/2014 P-23

IIM-C plans course on healthcare management

OUR BUREAU

Kolkata, May 29

Indian Institute of Management-Calcutta, in association with the US hospital CHI St Luke's Health, Houston, and Glocal Healthcare, an Indian rural hospital chain, is launching a one-year certificate programme in healthcare management.

The course, beginning in August, is designed to provide management learning with built-in hands-on elements. It is meant for people with three years' experience in healthcare operations or in related services.

"The programme's interdisciplinary orientation is to enrich the managerial and leadership capabilities of its participants. Very few programmes in the country have such a blend of theory

and field-based learning encapsulated in a multi-disciplinary framework," said Rajesh Babu, Programme Director of IIM-C.

The classroom sessions will be residential at the business school. Interim six-month course period is devoted to field exposure, split into a five-month internship at one of Glocal's hospitals across India, and a one-month externship at CHI St Luke's Health, the hospital, which carried out first successful heart transplant, the first artificial heart implantation, and the first laser angioplasty procedure.

The country's ₹50,000-crore

healthcare sector is projected to grow at 15 per cent annually.

Despite its size and growth projection, the healthcare sector lacks adequate pool of human resources with management skills.

"This course will help bridge the management skill development gap," said Sabahat S Azim, CEO of Glocal Healthcare.

Isc scientist-turned-artist eyes Guinness Book of World Records

DC | Darshana Ramdev | May 29, 2014, 06.05 am IST

<http://www.deccanchronicle.com/print/140529/nation-current-affairs/article/iisc-scientist-turned-artist-eyes-guinness-book-world-records>



Pritesh Dagur with one of her paintings (Photo: DC)

Bengaluru: Pritesh Dagur's road to success has been full of twists and turns, but it did get her where she'd always wanted to be! An artist who specialises in quilling, a highly complex technique that involves rolling and spiraling strips of coloured paper to make a design, she has cleared the screening test at the Guinness Book of World Records for the biggest beehive painting in the world.

The painting, which depicts the Seattle skyline, was done in 25 days (365 man hours), using 27,000 strips of paper – that's 8.1 km long! It is 5.5 ft wide and 3 ft high. "I'm fairly confident that I will set a world record because nobody has applied under that category yet, Guinness has told me that they will have to create one for me." This internal review process will take about six weeks.

Growing up, art had always been her first love. Life took its course and Pritesh found herself studying chemistry at the Indian Institute of Science. Armed with a PhD in Materials Sciences, she travelled to Belgium for her postdoctoral research. "After that, I got married and moved to Sweden, where I began on a second post-doctoral research," she said. She worked in Stockholm for a year and a half and published several papers.

Nimhans docs map 84% of human proteins

TIMES NEWS NETWORK

Bangalore: In a global first, a group of Indian scientists working in Bangalore, along with their US counterparts, have mapped over 17,000 proteins in 30 organs of the human body. Just like the human genome was sequenced around the turn of the millennium, this is an equivalent mapping of the human proteome. The work, carried out by scientists from the Institute of Bioinformatics, National Institute of Mental Health and Neurosciences (Nimhans), Bangalore, and Johns Hopkins University, will be published in the prestigious journal Nature. Of the 72 people who worked on the project, 46 are Indians.

The discovery is important as it will pave the way to finding the causes of many diseases. "We have the profile of normal proteins. We could get profiles of proteins of a person diagnosed with a particular condition. By comparing, we can know what went wrong. This could be a phenomenal breakthrough in medicine," said Keshava Prasad, a scientist at the Institute of Bioinformatics. It is estimated there are around 20,500 proteins in the human body.

These scientists have profiled around 17,294 proteins, which account for around 84%

In a global first, Indian scientists, along with their US counterparts, have mapped over 17,000 proteins in 30 organs. The discovery will pave the way to finding the causes of many diseases

of the total proteins. The team also traced around 2,500 of 3,000 proteins that had been categorized as 'missing proteins'. The scientists discovered around 200 new proteins and believe there could be more yet to be discovered. "For the mapping of proteomes, Indians have led the way," said Dr P Satishchandra, director-vice chancellor, Nimhans.

The project took over two years. "After the genome profiling, proteomes were the most obvious thing to do. Proteome profiling is more difficult as they show varied expression in different organs," said Harsha Gowda, a scientist at the institute. The work was done on 30 different tissues, including brain and liver tissues and blood cells. The work was done on Orbitrap Velos mass spectrometer that cost Rs 5 crore. Another Rs 3.5 crore was spent on the project.

टेक्नीक

बीजिंग। चांगसा प्रांत के ही लियंग ने बुधवार को अपने 'सूटकेस स्कूटर' पर राइड ली। उन्हें सूटकेस पर बैठकर ड्राइव करते देख हर कोई हैरत में पड़ गया। उन्होंने अपने सूटकेस को मोटर-ड्राइवन व्हीकल बनाने में 10 साल लगाए। इसमें बैटरी लगाई गई है जिसे चार्ज करने के बाद करीब 60 किलोमीटर चलाया जा सकता है।

10 साल लगे सूटकेस को मोटर-ड्राइवन व्हीकल बनाने में।

60 किमी

तक चलाया जा सकता है एक बार चार्ज करने के बाद

सूटकेस को बनाया स्कूटर, 20 किमी/घंटा स्पीड



गूगल ने लॉन्च की बिना ब्रेक, स्टीयरिंग-वलच वाली कार

» न स्टीयरिंग व्हील, न ब्रेक और न ही एक्सेलरेटर

» सिर्फ रोकने और चलने के लिए पुरा बटन होगा

कैलिफोर्निया। गूगल ऐसी कार ला रहा है, जो अपने आप चलेगी। सह संस्थापक सर्गेई ब्रिन ने मंगलवार को अमेरिका के कैलिफोर्निया में एक कॉन्फ्रेंस में कार को लॉन्च किया। गूगल का दावा है कि अगले साल तक कार सड़कों पर नजर आएगी। फिलहाल यह ऐसी 100 प्रोटोटाइप कारें और बनाकर सड़क पर ट्रैफिक के बीच उनका परीक्षण जारी रखेगा।



40 किमी प्रति घंटे की होगी रफ्तार

अगले साल तक आगूनी सड़कों पर नजर

■ 07 लाख किमी राइड का परीक्षण किया जा चुका है

■ लेजर-रडार-कैमरा सेंसर लगे हैं जिनके जरिए कार खुद चलेगी

■ दू सीटर होगी कार, बिजली से चलेगी

HT Chandigarh



■ Smriti Irani, HRD minister

SMRITI IN SOUP OVER DEGREE

HT Correspondent

■ letters@hindustantimes.com

NEW DELHI: The controversy over human resource development minister Smriti Irani's educational qualifications took a new turn Wednesday after it surfaced that she had made contradictory declarations in her affidavits for the 2004 and 2014 Lok Sabha polls.

Contesting the elections 10 years ago from Chandni Chowk in the Capital, the actor-turned-politician had claimed that she had a Bachelor of Arts degree. "B.A. 1996 Delhi University (School of Correspondence)," she had written in the column which seeks details of university education and the year in which the course was completed.

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Smriti Irani in soup over degree details

CONTINUED FROM PAGE 1

But, in her affidavit filed from Amethi in the 2014 elections, she had mentioned: "Bachelor of Commerce Part-1, School of Open Learning (Correspondence), University of Delhi-1994".

The Supreme Court in 2012 had ruled that false disclosures in an affidavit could be a ground for rejection of a candidate's nomination in any election.

While Irani declined to comment, the Congress, which had mocked her over the issue on Monday, stepped up the attack, saying this was a "misstatement, distortion and a criminal offence" that has electoral consequences.

"We don't know which is correct -2004 or 2014. Both can't be true," party spokesperson Abhishek Singhvi said.

When his attention was drawn to party general secretary Ajay Maken's tweets on the matter, he said, "We had not raked it up and we are not trivialising it".

"It cannot also be forgotten

that this august ministry has been headed by names like Maulana Azad, Fakhruddin Ali Ahmed, Prof Nurul Hasan, VKRV Rao, Siddhartha Shankar Ray, Karan Singh, KC Pant, VP Singh, MM Joshi. I am going across parties," Singhvi said.

However, there were divergent opinions within the Congress on the issue. Senior leader Manish Tewari felt that the criticism of the government should be policy-based rather than personality-centric. His views were echoed by veteran Makhn Lal Fotedar.

The BJP was quick to hit back. Union ministers Uma Bharti and Santosh Gangwar questioned the educational qualifications of Congress president Sonia Gandhi.

Another senior BJP leader Mukhtar Abbas Naqvi said Congress leaders should shed their "arrogance" after the poll debacle and do introspection.

The matter was also raised earlier by women's rights activist Madhu Kishwar.