

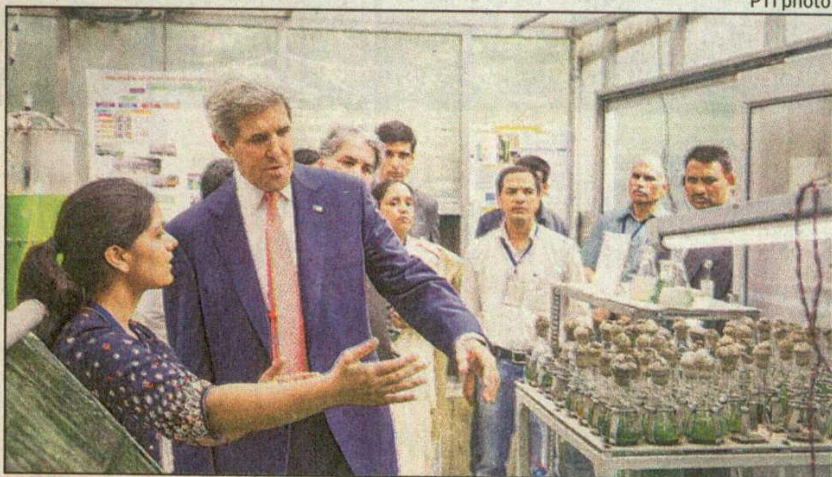
## Newspaper Clips August 1, 2014

Millenium Post ND 1/08/2014  
P-4

Times of India ND 1/08/2014 P-7

# Kerry boosts up IITians' morale

PTI photo



**TECH TALK:** The US secretary of state interacts with an IIT-D student

TIMES NEWS NETWORK

**New Delhi:** Indian Institute of Technology Delhi's research project on biodegradable plastic has made a strong impression on US secretary of state John Kerry. After a student explained the project to him, Kerry was heard saying, "Very exciting. It would be a huge contribution to the world. Fantastic."

Kerry, who is in the country on a three-day visit, took time out of his busy schedule and visited the campus between 8.30am and 10.30am on Thursday morning. He interacted with students in their laboratories and looked at their projects.

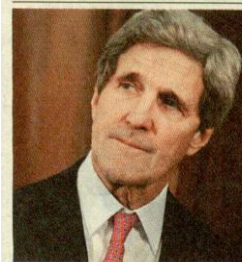
Director of IIT Delhi Prof. R K Shevgaonkar said that the US Embassy had specifically men-

tioned the laboratories that the dignitary wanted to visit. Apart from looking at the applied microbiology and bio-process labs, Kerry also checked out an experiment using algae to clean water and produce biomass. He described the projects showcased as "excellent" and "very exciting".

Kerry arrived in the capital on Wednesday for the 5th Indo-US strategic dialogue, his nation's first high-level engagement with the Narendra Modi government. Dressed in a blue suit, Kerry interacted with students and asked a number of questions about processes involved, tuition fees, patents system and also if they would get a job in India or would like to travel abroad.

*(With inputs from agencies)*

## John Kerry visits IIT Delhi, finds it 'excellent'



OUR CORRESPONDENT

**NEW DELHI:** 'Very exciting' and 'excellent' were the words used by US Secretary of State John Kerry as he visited two laboratories at the prestigious Indian Institute of Technology (IIT) in New Delhi on Thursday. Kerry also interacted with the students. Kerry, who is in New Delhi for the 5th Indo-US Strategic Dialogue, took time out of his schedule and visited the Applied Microbiology Laboratory and Bio-process Laboratory at IIT.

Professor RK Shevgaonkar, director of IIT, Delhi said that the American embassy had specifically mentioned the laboratories that Kerry wanted to visit.

Dressed in a blue suit, Kerry interacted with the students there and asked a number of questions about the processes involved, the education fees, patent system and also if they would get a job in India or would they have to go out. Kerry was very pleased to see a research project on biodegradable plastic. As a student explained the project to him, Kerry said, 'Very exciting. It would be a huge contribution to the world.'

Kunal Gupta, a student who is a part of the project, said he was proud that Kerry visited his institute. 'I am very proud to be part of an institute which is recognised in USA as well. It makes us feel very good,' said Gupta. PTI

Financial Express, ND 01/08/2014 P-23

# Kerry visits IIT, walks out impressed with students



US secretary of state John Kerry talks to graduate students about their work at the Indian Institute of Technology in New Delhi on Thursday.

PTI Photo

**New Delhi, July 31:** “Very exciting” and “excellent” were the words used by US secretary of state John Kerry as he visited two laboratories at the prestigious Indian Institute of Technology (IIT) here on Thursday and interacted with the students.

Kerry, who is here for the 5th Indo-US strategic dialogue, took time out of his schedule and visited the Applied Microbiology Laboratory and Bio-process lab.

Professor RK Shevgaonkar, director of the IIT, Delhi told PTI that the American embassy had

specifically mentioned the laboratories that Kerry wanted to visit.

Dressed in a blue suit, Kerry interacted with the students there and asked a number of questions about the processes involved, the education fees, patent system and also if they would get a job in India or would they have to go out.

Kerry was very pleased to see a research project on bio-degradable plastic.

As a student explained the project to him, Kerry said, “Very exciting. It would be a huge contribu-

tion to the world.

Very exciting. Fantastic”. Kunal Gupta, who is part of the project, said he was proud that Kerry visited his institute.

“I am very proud to be part of a institute which is recognised in the US as well. They (US) have done a lot of research which is much ahead of us and Kerry's visit to the institute makes us feel very good,” said Gupta.

Kerry also visited the lab which was using algae to clean water and to produce biomass.

PTI

Tribune, ND 01/08/2014 P-18

# Kerry visits IIT, walks out impressed with students

NEW DELHI, JULY 31

"Very exciting" and "excellent" were the words used by US Secretary of State John Kerry as he visited two laboratories at the Indian Institute of Technology here today and interacted with students.

Kerry, who is here for the 5th Indo-US strategic dialogue, took time out of his schedule and visited the Applied Microbiology Laboratory and Bio-process lab.

Professor RK Shevgaonkar, Director of the IIT, Delhi, told PTI that the American Embassy had specifically mentioned the laboratories that Kerry wanted to visit.

Dressed in a blue suit, Kerry interacted with students there and asked a number of questions about the processes involved, education fee, patent system and also if they would get a job in India or would they have to go out.

Kerry was very pleased to



US Secretary of State John Kerry interacts with students at the Indian Institute of Technology in New Delhi on Thursday. PTI

see a research project on bio-degradable plastic.

As a student explained the project to him, Kerry said, "Very exciting. It would be a huge contribution to the world. Very exciting. Fantastic." Kunal Gupta, who is part of the project, said he was proud that Kerry visited his institute.

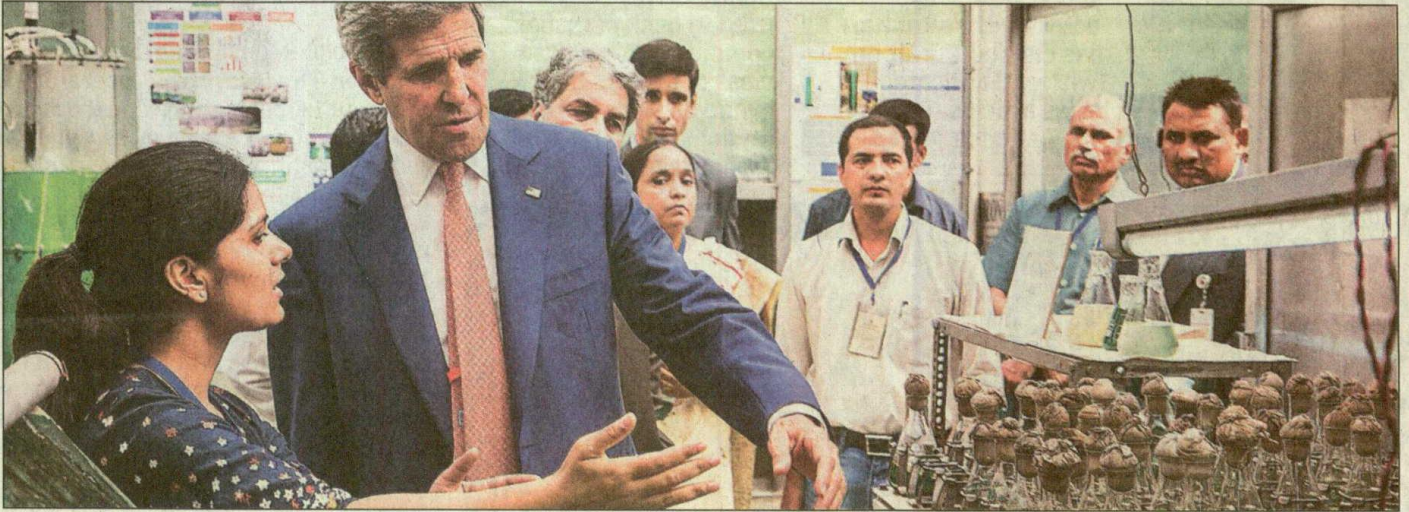
"I am very proud to be

part of an institute which is recognised in the US as well. They (US) have done a lot of research which is much ahead of us and Kerry's visit to the institute makes us feel very good," Gupta said.

Kerry also visited the lab which was using algae to clean water and to produce biomass. — PTI

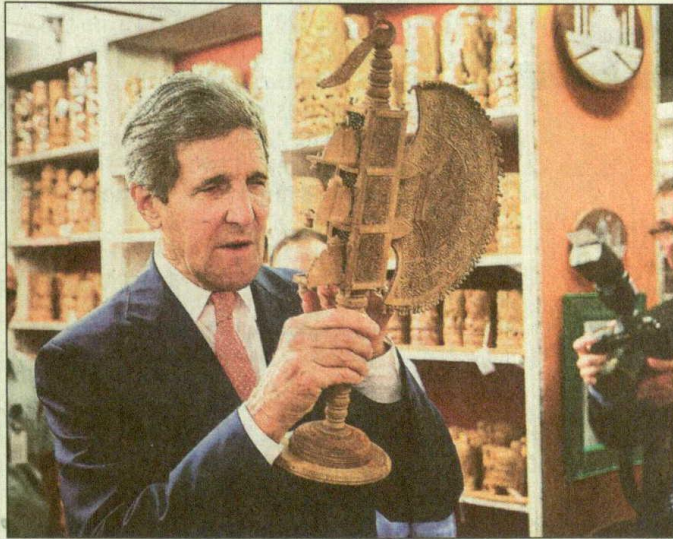
HT.Com ND 01.08.2014 P-2

## State secretary's day out



■ (L) US secretary of state John Kerry visits the Cottage Emporium; Kerry interacts with IIT Delhi students AFF/REUTERS

### *On his first day, Kerry visits IIT Delhi, meets students*



**NEW DELHI:** US Secretary of State John Kerry on Thursday visited the Indian Institute of Technology (IIT) Delhi. He went to the school of biology and visited two of the laboratories there. Kerry was in the institution early morning between 8.30am to 10.30 am, an IIT professor said.

He also interacted with the students and looked at their projects. Kerry arrived here on Wednesday on a three-day visit to strike up the US' first high-level engagement with the Narendra Modi government. He later met External Affairs Minister (EAM) Sushma Swaraj for a strategic dialogue. **IAN S**

Indian Express ND  
1/08/2014 P-4

Rashtriya Sahara, ND 01/08/2014 P-2

## Kerry visits IIT, 'excited' about work by students

PRESS TRUST OF INDIA  
NEW DELHI, JULY 31

VERY "exciting" and "excellent" were the words used by US Secretary of State John Kerry after his visit to two laboratories at the Indian Institute of Technology, Delhi, on Thursday.

Kerry, who is in the capital for the 5th Indo-US Strategic Dialogue, took time out of his schedule and visited the applied microbiology laboratory and bio-process lab. Professor R K Shevgaonkar, Director, IIT Delhi, said the American Embassy had specifically mentioned the laboratories that Kerry wanted to visit.

Kerry interacted with students and asked questions about the processes involved, education fees, patent system and if they would get a job in India or would apply abroad.

He was also very pleased to see a research project on biodegradable plastic. As a student explained the project to him, Kerry said, "Very exciting. It would be a huge contribution to the world... Fantastic."

Kunal Gupta, who is part of the project, said, "I am very proud to be part of an institute that is recognised in the US as well. They (US) have done a lot of research which is much ahead of us and Kerry's visit to the institute makes us feel very good."



## आईआईटी के छात्रों से प्रभावित हुए केरी

नई दिल्ली (एसएनबी)। अमेरिकी विदेशमंत्री जॉन केरी ने बृहस्पतिवार को प्रतिष्ठित भारतीय प्रौद्योगिकी संस्थान की दो प्रयोगशालाओं का दौरा किया। उन्होंने छात्रों से बातचीत के दौरान 'बहुत रोमांचकारी' और 'उत्कृष्ट' जैसे शब्दों के जरिए उनकी सराहना की। केरी यहां पांचवीं भारत-अमेरिका रणनीतिक वार्ता के लिए भारत आए हैं। उन्होंने अपना समय निकालकर अप्लाइड माइक्रोबायोलॉजी की प्रयोगशाला और बायो-प्रोसेस प्रयोगशाला का दौरा किया।

आईआईटी दिल्ली के निदेशक प्रोफेसर आरके शेवगांवकर ने बताया कि अमेरिकी दूतावास ने विशेष तौर पर कहा था केरी इन प्रयोगशालाओं का दौरा करना चाहते हैं। नीले रंग का सूट पहनकर आए केरी ने यहां छात्रों से बातचीत की और उनसे प्रक्रियाओं, शैक्षणिक शुल्कों, पेटेंट व्यवस्था के बारे में सवाल पूछे। केरी ने छात्रों से यह भी पूछा कि

वे भारत में नौकरी करेंगे या उन्हें बाहर जाना है? केरी जैव तरीके से नष्ट किए जा सकने वाले प्लास्टिक पर शोध परियोजना को देखकर काफी खुश हुए। जब एक छात्र ने उन्हें इस परियोजना के बारे में विस्तार से बताया तो

उन्होंने कहा, 'बहुत रोमांचक। यह दुनिया के लिए बहुत बड़ा योगदान होगा। बहुत रोमांचक, शानदार।' इस परियोजना में शामिल कुणाल गुप्ता ने कहा कि उन्हें इस बात पर गर्व है कि केरी उनके संस्थान में आए। गुप्ता ने

कहा, 'मैं ऐसे संस्थान का हिस्सा बनकर गर्व महसूस करता हूँ, जिसकी पहचान अमेरिका में भी है। अमेरिका ने बहुत शोध किए हैं और हमसे वह बहुत आगे है। केरी का हमारे संस्थान में आने पर हमें बहुत अच्छा लगा।'

केरी ने उस प्रयोगशाला का भी दौरा किया, जहां पानी साफ करने के लिए और जैव ईंधन बनाने के लिए शैवाल का इस्तेमाल किया जा रहा है।

■ छात्रों की  
'बहुत रोमांचकारी'  
और 'उत्कृष्ट' जैसे  
शब्दों के जरिए  
सराहना की

# आई.आई.टी. दौरे में कैरी छात्रों से हुए प्रभावित

नई दिल्ली, 31 जुलाई (एजेंसी): अमेरिकी विदेशमंत्री जॉन कैरी ने वीरवार को जब प्रतिष्ठित भारतीय प्रौद्योगिकी संस्थान की दो प्रयोगशालाओं का दौरा में छात्रों से बातचीत की तो 'बहुत रोमांचकारी' और 'उत्कृष्ट' जैसे शब्दों के जरिए इनकी सराहना की। कैरी 5वीं भारत-अमरीका रणनीतिक वार्ता के लिए भारत आए हैं। उन्होंने अप्लाइड माइक्रोबायोलॉजी की प्रयोगशाला और बायो-प्रोसेस प्रयोगशाला का दौरा किया।

आई.आई.टी. दिल्ली के निदेशक प्रोफेसर आर.के. शेवगांवकर ने बताया कि अमेरिकी दूतावास ने विशेष तौर पर कहा था कैरी इन प्रयोगशालाओं का दौरा करना चाहते हैं। कैरी ने

■ **बच्चों से पूछा, भारत में ही काम करेंगे या उन्हें बाहर जाना है**

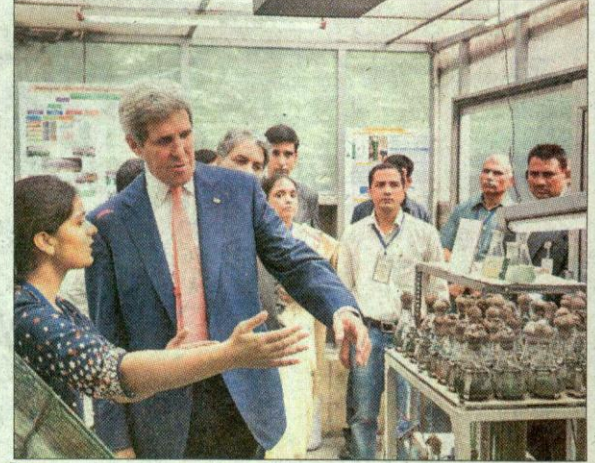
■ **छात्रों द्वारा हो रही शोध परियोजनाओं की जानकारी भी ली**

यहां छात्रों से प्रक्रियाओं, शैक्षणिक शुल्कों, पेटेंट व्यवस्था के बारे में सवाल पूछे। कैरी ने छात्रों से यह भी पूछा कि वे भारत में नौकरी करेंगे या उन्हें बाहर जाना है?

कैरी जैव तरीके से नष्ट किए जा सकने वाले प्लास्टिक पर शोध परियोजना को देखकर काफी खुश हुए। कैरी ने उस प्रयोगशाला का भी

दौरा किया, जहां पानी साफ करने के लिए और जैव ईंधन बनाने के लिए शैवाल का इस्तेमाल किया जा रहा है।

जब एक छात्र ने उन्हें इस परियोजना के बारे में विस्तार से बताया तो उन्होंने कहा, 'बहुत रोमांचक। यह दुनिया के लिए बहुत बड़ा योगदान होगा। बहुत रोमांचक, शानदार।' इस परियोजना में शामिल कुणाल गुप्ता ने कहा कि उन्हें इस बात पर गर्व है कि कैरी उनके संस्थान में आए। गुप्ता ने कहा, 'मैं ऐसे संस्थान का हिस्सा बनकर गर्व महसूस करता हूँ, जिसकी पहचान अमेरिका में भी है। अमेरिका ने बहुत शोध किए हैं और हमसे वे बहुत आगे हैं। कैरी का हमारे संस्थान में आने पर हमें बहुत अच्छा लगा।'



अमेरिकी के विदेश मंत्री जॉन कैरी ने आई.आई.टी. का दौरा किया।

Rajasthan Patrika ND  
1/08/2014 P-12

## आईआईटी दिल्ली बेहतरीन

कैरी ने गुरुवार को आईआईटी दिल्ली का भी दौरा किया। इस दौरे के दौरान उन्होंने आईआईटी दिल्ली को बेहतरीन और वहां अपने अनुभव को अद्भुत करार दिया। हालांकि आईआईटी अधिकारियों का कहना था कि अमरीकी दूतावास ने विशिष्ट गुजारिश भेजी थी कि कैरी यहां किन प्रयोगशालाओं को देखने की चाहत रखते हैं।

## Kerry visits IIT, walks out impressed with students

[http://zeenews.india.com/news/nation/kerry-visits-iit-walks-out-impressed-with-students\\_951478.html](http://zeenews.india.com/news/nation/kerry-visits-iit-walks-out-impressed-with-students_951478.html)

New Delhi: "Very exciting" and "excellent" were the words used by US Secretary of State John Kerry as he visited two laboratories at the prestigious Indian Institute of Technology here on Thursday and interacted with the students.

Kerry, who is here for the 5th Indo-US Strategic Dialogue, took time out of his schedule and visited the Applied Microbiology Laboratory and Bio-process lab.

Professor R K Shevgaonkar, Director of the IIT, Delhi told PTI that the American Embassy had specifically mentioned the laboratories that Kerry wanted to visit.

[In Pics: John Kerry visits IIT](#)

Dressed in a blue suit, Kerry interacted with the students there and asked a number of questions about the processes involved, the education fees, patent system and also if they would get a job in India or would they have to go out.

Kerry was very pleased to see a research project on bio-degradable plastic.

As a student explained the project to him, Kerry said, "Very exciting. It would be a huge contribution to the world. Very exciting. Fantastic".

Kunal Gupta, who is part of the project, said he was proud that Kerry visited his institute.

"I am very proud to be part of a institute which is recognised in the US as well. They (US) have done a lot of research which is much ahead of us and Kerry's visit to the institute makes us feel very good," said Gupta.

Kerry also visited the lab which was using algae to clean water and to produce biomass.

## John Kerry visits IIT, walks out 'impressed' with students

PTI | Jul 31, 2014, 03.05 PM IST

<http://www.mumbaimirror.com/news/india/John-Kerry-visits-IIT-walks-out-impressed-with-students/articleshow/39355128.cms>

"Very exciting" and "excellent" were the words used by US secretary of state John Kerry as he visited two laboratories at the prestigious Indian Institute of Technology here on Thursday and interacted with the students.

Kerry, who is here for the 5th Indo-US Strategic Dialogue, took time out of his schedule and visited the Applied Microbiology Laboratory and Bio-process lab.

Professor R K Shevgaonkar, Director of the IIT, Delhi said that the American embassy had specifically mentioned the laboratories that Kerry wanted to visit.

Dressed in a blue suit, Kerry interacted with the students there and asked a number of questions about the processes involved, the education fees, patent system and also if they would get a job in India or would they have to go out.

Kerry was very pleased to see a research project on bio-degradable plastic. As a student explained the project to him, Kerry said, "Very exciting. It would be a huge contribution to the world. Very exciting. Fantastic". Kunal Gupta, who is part of the project, said he was proud that Kerry visited his institute.

"I am very proud to be part of a institute which is recognised in the US as well. They (US) have done a lot of research which is much ahead of us and Kerry's visit to the institute makes us feel very good," said Gupta.

Kerry also visited the lab which was using algae to clean water and to produce biomass.



## HC orders common counselling for IITs, NITs next year

[Vanita Srivastava](#), Hindustan Times New Delhi, August 01, 2014

<http://www.hindustantimes.com/india-news/common-iit-nit-counselling-from-2015-delhi-hc/article1-1247251.aspx>

The Delhi high court on Friday directed the HRD ministry and the IITs to have common counselling for the Indian Institutes of Technology (IITs) and the National Institutes of Technology (NITs) from next year.

The court also directed the HRD ministry and IITs to submit a report on or before November 30, 2014 on whether a provision for lateral entry into IITs in second year from the students of NITs and other engineering colleges can be made.

Last year more than 200 IIT seats had remained vacant. Every year hundreds of seats remain vacant in IITs mainly because of some unpopular courses for which there are few takers. The court gave the directive on an interim application, filed in a pending PIL, by Rajeev Kumar through lawyer Prashant Bhushan.

It had been alleged in the plea that IITs have been opposing the suggestion that a common database be prepared of all the candidates who clear the IIT and the NIT entrance examination.

Times of India ND 1/08/2014 P-12

# Tailgating behind 45% of highway crashes: Study

**Dipak.Dash@timesgroup.com**

**New Delhi:** Data from about 130 crashes involving different vehicles on the Gurgaon-Jaipur stretch of NH-8 has indicated speeding, overloading and improper driving as some of the main reasons behind highways crashes.

The data and trends are based on an ongoing crash investigation project by NATRiP in association with IIT-Delhi. This is part of a pilot project undertaken by the ministry of road transport and highways to provide cashless treatment to crash

victims to reduce fatalities.

NATRiP officials said that though over 600 crashes were reported, they have collected in-depth data of 134 motor vehicle accidents. NATRiP is the government's apex agency for vehicle research and testing.

Almost 45% of the crashes investigated were due to tailgating or when vehicles follow each other too closely. Among other reasons identified, speeding caused 28 accidents, overloading 16 and improper driving another 15 mishaps. The other key causative factors were lane change,

wrong turn, vehicle defect and driver fatigue.

"The trend of crashes in most of the national highways with divided carriageway would be same. If we have a stringent enforcement on speeding and overloading, crashes can be reduced significantly. Once more and more data from similar projects emerges, it will help us to formulate policies," a road transport ministry official said.

The analysis showed that 10% of crashes were fatal, in another 24% people reported grievous injuries. In another 29%, the injuries were minor.

# आईआईटी भुवनेश्वर के निदेशक पर पीई दर्ज

कुणाल/एसएनबी

नई दिल्ली। सीबीआई ने आईआईटी भुवनेश्वर के निदेशक और पांच अन्य लोगों के खिलाफ प्रारंभिक जांच (पीई) दर्ज की है। जांच में पाया गया है कि उन्होंने अपने अधिकार का दुरुपयोग करते हुए नियुक्तियों में धांधली की है।

सूत्रों के अनुसार सीबीआई ने जांच में पाया है कि आईआईटी के निदेशक ने कुछ अधिकारियों के साथ मिलीभगत कर फैकल्टी की नियुक्ति में धांधली की है। निदेशक पर आरोप है कि उन्होंने अपने

■ चेन्नई मेरीटाइम  
विवि के पूर्व वीसी पर  
चलेगा मुकदमा

अधिकार का दुरुपयोग करते हुए करियर डेवलपमेंट काउंसलर की नियुक्ति ठेके पर की और उसमें इंस्टीट्यूट से संबंधित नियमों का उल्लंघन किया। प्रारंभिक जांच में यह भी पाया

गया कि कुछ और फैकल्टियों में भी नियुक्तियों को लेकर निदेशक ने प्राइवेट संस्थान को आउटसोर्सिंग कर दिया था, जो कि जनरल वित्तीय नियम 2005 का उल्लंघन है।

सूत्रों के अनुसार इस बाबत सीबीआई जल्द ही आईआईटी भुवनेश्वर के प्रशासन और निदेशक से स्पष्टीकरण मांगेगी। कुछ दिन पहले सीबीआई ने झारखंड स्थित सेंट्रल यूनिवर्सिटी के पूर्व वाइस चांसलर के खिलाफ पीई दर्ज की है, जिसमें उन पर आरोप है कि उन्होंने टीचिंग और नॉन टीचिंग स्टाफ की नियुक्ति में धांधली की थी। पीई में इस बात की भी जांच की जा रही है कि उन्होंने विश्वविद्यालय कैम्पस के निर्माण से संबंधित ठेके में भी कुछ ठेकेदारों को मदद की थी।

शुरुआती जांच में पाया गया कि पूर्व वीसी ने स्क्रीनिंग कमेटी के सदस्यों के साथ मिलकर वैसे उम्मीदवारों की नियुक्तियां कीं, जो मानक पर खरे ही नहीं उतरते। इसी के साथ-साथ सीबीआई ने चेन्नई स्थित एक केंद्रीय विश्वविद्यालय इंडियन मेरीटाइम के पूर्व वाइस चांसलर के खिलाफ भी मामला दर्ज किया था। उनके खिलाफ आय से अधिक संपत्ति का मामला था। सीबीआई ने जांच पूरी कर ली है और आरोपपत्र दाखिल करने की तैयारी कर रही है। सूत्रों के अनुसार राष्ट्रपति ने इनके खिलाफ मुकदमा चलाने की अनुमति दे दी है।

## New IISc chief seeks industry link

DC | B.R. SRIKANTH | August 01, 2014, 05.08 am IST

<http://www.deccanchronicle.com/140801/nation-current-affairs/article/new-iisc-chief-seeks-industry-link>



**BENGALURU:** Indian Institute of Science (IISc) should scale new heights by reaping the benefits of higher funding, opening of new laboratories for research in frontier areas, and the addition of new faculty and research scholars, says the new Director Dr. Anurag Kumar.

Dr. Kumar, an expert in communication networks, is the first engineer to take over as Director after a gap of more than three decades. The last Director with engineering background was the late Prof. Satish Dhawan. He, however, maintained that the institute was known for its mix of scientists and engineers and such distinction was inconsequential.

He values experience gained at AT&T Bell Labs, the Cornell University, and IISc, and plans to strike a balance between administration and research during his five-year tenure at the top but contemplates cutting down the number of students guided by him at department of electrical communication engineering (ECE), where he serves as a professor.

He said Indian entrepreneurs and enterprises are beginning to support science in a big way at IISc. For instance, Infosys Technologies Ltd has just set up two high-profile chairs, one each in Physics and Mathematics departments, a move which helps renowned physicists and mathematicians from across the world to visit these departments for long duration. Besides, several small companies too are stepping forward to collaborate with researchers at the institute.

“It is true that the IT industry has been services-based for many years, but they have become famous like TCS. I hope that they move up the value chain or move sideways and invest in science,” he added.

He said he would like to witness the coming together of the large number of people trained in high quality instrumentation, those with doctorate degrees and venture capitalists of Bengaluru though such a unification would be a challenge.

Dr. Kumar said he was surprised to receive a call from the outgoing Director Prof. P. Balaram and to be invited to head the institute. “I took a day to think about the responsibilities and whether my personal, research and family plans will be impacted. I guess I will have to spend more time on administration, but will continue to teach and work even on weekends,” he added.

Born in Meerut, Uttar Pradesh, Dr Anurag Kumar secured his B.Tech degree from Indian Institute of Technology (IIT), Kanpur, and his doctorate from the Cornell University. He worked at AT&T Bell Labs, for six years and joined IISc in 1988. From 1989 to 2003, he was the coordinator at IISc of the nationwide Education and Research Network (ERNET) project, which established the first country-wide packet communication network in the country, and supported more than 1,300 R & D laboratories across India.

# D.U. TEACHERS PAINT V.C. BLACK WITH WHITE PAPER

## Dinesh Singh faces allegations of financial, administrative and academic irregularities



Dinesh Singh

**DELHI** University Vice-Chancellor Dinesh Singh hasn't seen the last of his troubles with the burial of the FYUP controversy. The university's teachers are well into the

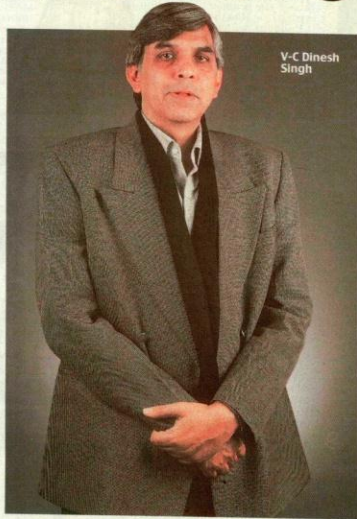
**EXCLUSIVE**

By Heena Kausar  
In New Delhi

process of coming out with a 'White Paper' that compiles the financial, administrative and

Turn to Page 7

# U academicians declare war on V-C



V-C Dinesh Singh

DATA ALLEGES	NDTF ALLEGES
<ul style="list-style-type: none"> <li>■ OBC funds to the tune of ₹170 crore were diverted to buy laptops for first-year students under FYUP</li> <li>■ Teachers and professors who spoke against the V-C were victimised</li> <li>■ The governing body was bypassed to revoke the suspension of B.R. Ambedkar College Principal G.K. Arora, the main accused in Pavitra Bhardwaj death case</li> </ul>	<ul style="list-style-type: none"> <li>■ Funds from one head to another were diverted with any approval for various reasons such as buying laptops and organising Anardhwani annual festival</li> <li>■ There were irregularities in giving contracts for construction of buildings in the university.</li> <li>■ Unnecessary appointment of officials made by creating new positions</li> </ul>

Continued from page 1

academic irregularities alleged to have been committed by Singh in his stint at the top of the nation's premier university. The allegations against Singh span a spectrum of wrongdoing (see box), from misuse of OBC funds to buy Four Year Undergraduate Programme (FYUP) laptops which are now lying unused and forcing the FYUP syllabus on new students despite its rollback. Singh is not, however, alleged to have derived any personal financial benefit in this long list of accusations.

The university's teachers community has long been critical of Singh, particularly of what most of them regard as his "authoritarian" and "megalomaniac" way of running the show. Starting from amercementation of the academic year to the introduction of the now-rolled-back FYUP, the V-C has long been the fount of all decisions. Teachers say Singh's regime has no place for consensus.

The Delhi University Teachers' Association (DUTA), an elected body of the university, will release the 'White Paper' against Singh next week. And if that was not enough, another group of teachers under the banner of National Democratic Teachers' Front (NDTF) is preparing a chargesheet against Singh. It will be made public in two weeks. Repeated attempts to reach Singh for a comment on the issue failed.

### Money matters

The DUTA 'White Paper' focuses on financial and administrative irregularities allegedly committed by the Vice-Chancellor. The NDTF chargesheet, on the other hand, will focus on financial and academic irregularities because of which teachers and students have had to face many hardships.

The DUTA 'White Paper' will include the issue of diversion of over ₹170 crore to buy laptops for FYUP students. The 'White Paper' also alleges that Singh spent money from funds meant for development of teaching in departments on 'Anardhwani'—an annual cultural festival conceptualised and started by the V-C in 2011. Allegations of diverting maintenance funds to hire a whole train for what was called 'Gyanodaya Express' will also figure in the 'White Paper'.

The NDTF chargesheet alleges that over ₹170 crore were spent

**MAIL TODAY EXCLUSIVE**

from OBC funds to buy laptops. "There are many cases of financial irregularities by the V-C. There is the unapproved expenditure of over ₹170 crore for buying more than 50,000 laptops. Our report will have documents raising questions on the way the laptops were purchased. RTI replies have revealed that these laptops were purchased by diverting money from OBC funds. You need approval from the fund-granting body to divert money from one head to another but no such approval was taken by the V-C in this case," alleged Inder Mohan Kapshy from NDTF.

### DU staffer suicide

The 'White Paper' by DUTA will also include the issue of Pavitra Bhardwaj—the former DU lab technician who committed suicide after making allegations of sexual harassment against Ambedkar College Principal G.K. Arora. "The V-C is almost on his way out but he is continuing with his ways. The latest violation he committed was to bypass the governing body of B.R. Ambedkar College and revoke Arora's suspension. The principal is back

in the college despite our protests," said DUTA president Nandita Narain.

Serious questions are being raised about the way Singh made appointments of teachers and heads of departments by violating university ordinances, according to DUTA. The V-C allegedly appointed his favourite people to various positions, including as heads of departments.

"The V-C has made many new positions, like V-C Fellows and Deputy Dean of Students' Welfare, only to keep his own people around him. More than 40 such positions have been created by him without any approval from any council or body," alleges the NDTF chargesheet, which will also have a mention of findings of the Shaugli Committee report of criminal misconduct and managerial lapses on part of the university authorities.

### Academic issues

The introduction and rollback of FYUP has been marred by alleged academic irregularities committed by the V-C and his associates. Despite the rollback, the V-C has ensured that the syl-

labus of FYUP was retained, says the DUTA 'White Paper'. "The decision of Committee of Courses of many departments was bypassed while restructuring the FYUP syllabus for 2013-14 batch. The V-C, through his department heads, approved the course retaining FYUP," the DUTA report said. The report also takes up the issue of victimisation of teachers who dared to differ with him. "Inquiries were set up against such teachers without any purpose just to trouble them," said Narain.

"The 'White Paper' will be finalised on Friday. We have RTI replies, documents and other proof against the irregularities committed by the V-C," said Abha Dev Hathi, member DUTA.

Both DUTA and NDTF said that they will submit their reports to higher authorities for further action. "We want a Visitor inquiry against the V-C for all the irregularities he has committed. The university under him has become a can of worms. A lot will be revealed when we come out with the report. We will make representations to the UGC and other bodies to take strict action against him," said Narain.

# Entrepreneurs go Back to IIM Classrooms

As many as 41 students in latest batch at 7 IIMs are in various stages of starting up

**SREERADHA D BASU**  
MUMBAI

In a remarkable display of India's growing fervour for entrepreneurship, at least 41 students in the new batch at seven IIMs are in various stages of starting up and running new businesses even as they pursue their MBAs, exclusive data collated by ET shows.

This means that an unusually high 2% of students in the new batch at these IIMs are already entrepreneurs.

"There has indeed been a spurt this year in the number of such student entrepreneurs at IIMs," IIM-Kozhikode Director Debashis Chatterjee said.

These new IIM students have built startups in mobile apps development, horticulture plantations, event management, solar-powered equipment, food-related businesses and coaching schools.

"The number of people in their 20s who are setting up their own ventures is at a new high," says Mukul Singhal,



SALAM

principal, SAIF Partners.

Global B-schools are giving a major push to foster entrepreneurship and domestic counterparts are also placing a similar premium on student startups.

"Entrepreneurial students are like all-rounders in a cricket team. They are able to fully appreciate and participate in the

whole process of creation of value...this is the ultimate goal of managing an enterprise," Chatterjee said.

At the Kozhikode B-school alone, around 15 students in the batch that joined in June are entrepreneurs.

**Having an IIM Tag Helps a Lot >> 11**

## Having an IIM Tag Helps a Lot

>> From Page 1

The batch at IIM-Kozhikode includes, among others, Bullipe Reddy who runs Prestoo, that builds educational games to teach and test high school students' concepts of physics, maths and chemistry; Krishnan Jeesha who provides out-of-home advertising solutions to businesses; and Sumit Kumar Shaw, who has set up a coaching institute as well as a tour and travel company.

IIM-Calcutta has seven such student-entrepreneurs in its new batch; IIM-Bangalore has two and IIM-Ahmedabad has another six. Among the newer IIMs, IIM-Raipur has five such students while IIM-Rohtak and IIM-Shillong have three and four, respectively.

For these young entrepreneurs, an MBA comes with several advantages, most importantly, the network these top schools can provide and the opportunity to brush up their knowledge in areas that are lacking. And an IIM tag certainly doesn't hurt for those wanting to raise money for their own ventures.

"All other things being equal, we would prefer someone with a solid educational background. A qualification from an IIM or an IIT does lend a bit more credibility when talking to a VC (venture capital fund) or an investor," says Abhay Pandey, MD, Sequoia Capital India. "Earlier, the entrepreneurial ecosystem was not so vibrant. Now it's great that people are taking a risk to work towards a much larger outcome," he adds.

So, if Aditya Pangtey of IIM-Calcutta owns a third of Indiebazaar.com, a managed marketplace for Indian independent artists and designers, his peers at the Joka institute in-

clude Nikesh Vora, who founded AlterEgo, an e-comm venture in the personalised gifting domain; and Pranshu Kacholia, a BITS-Pilani grad who co-founded a mobile app development startup called Droid Studios. His Android app saw as many as 30,000 downloads in six months. "I don't have the business or finance knowledge and that's where an MBA comes in. Also, I want to leverage IIM-Calcutta's network in the future," says Kacholia.

At IIM-Ahmedabad, students have co-founded ventures providing software solutions; launched healthcare mobile apps and app development startups; designed and prototyped a product that harvests energy from cooking stoves; and launched ventures aimed at addressing declining analytical abilities among school students.

Over 80% of the ventures promoted by this year's student entrepreneurs are still operational. Many such students have partners or co-founders who take on additional responsibilities while they are at school. The remaining 20% of student entrepreneurs, whose ventures closed down, are keen to start something new again in the future. "Entrepreneurship flourishes when failure and experimentation is tolerated by societies. The Indian society has reached a certain inflection point when a new generation is not afraid of taking chances and experimenting," feels Prof Chatterjee.

In IIM-Shillong, businesses run by students include consulting agency Innovative We; Epitome IT Coaching that focuses primarily on IT education and Xeopia Solutions, also in the same space. At IIM-Raipur, Pratik Suting, an aircraft maintenance engineer, ran his

transcription company; Rajesh Jangam opened up a school and Satyadeo Thakur started his venture as a web hosting and designing company. In IIM-Rohtak, Pruthvi Ala, along with three friends, started a snacks business serving offices such as Accenture and IBM, which is in the process of opening more outlets in Hyderabad. His batch mate Gaurav Aggarwal uses data technologies to help small retailers grow their business.

"A good management education equips a person with necessary tools and greater perspective to analyse complex situations," says D Chethan of IIM-K. His interest in agriculture led him to invest in a 10-acre plot and adopt highly mechanised techniques to grow horticultural crops such as chikoo, mango, black jamun, coconut and lemon alongside fast-growing timber-yielding varieties.

Despite the success of his business, Chethan still believes in the power of an MBA. "I intend to expand my enterprise and enter new avenues such as food processing in the future," says Chethan.

For IIM-Bangalore's Sourav Das, who runs a startup in the solar technology space with an IIT-Kharagpur batchmate, the MBA is a ticket to scale up his venture to the next stage. The partners sell solar mobile phone chargers — they have sold some 500 pieces through NGOs — and Das says he needs some guidance to fine tune his business plan.

Nitisha Sethia, of IIM-A who ran her own fashionwear business called Urban Junkie entirely through Facebook and earned around Rs 5 lakh through four exhibitions, says she loved the whole experience of running her own show.

Times of India ND 1/08/2014 P-6

# 'Scope of robotics in surgery expanding'

DurgeshNandan.Jha@timesgroup.com

**New Delhi:** There are already robots that can assist in surgery, like the da Vinci surgery system. But what if a robot can be programmed into performing a certain procedure without any direct intervention from the surgeon? Like the driverless Google car?

The current robotic surgical system cannot run on its own, it has to be manoeuvred by a surgeon. While opinion is divided on the outcome, top surgeons, however, do not rule out such a possibility.

"Presently, robotic equipment can take you to the abnormal area like tumour, blood clot and abscess so that tissues can be biopsied safely. The next stage will be robotic instrument that can be

**The current robotic surgical system cannot run on its own, it has to be manoeuvred by a surgeon. While opinion is divided on the outcome, top surgeons, however, do not rule out such a possibility**

manipulated 360 degrees, conducting the biopsy on its own based on the programme fed into the software system," said Dr Rajendra Prasad, senior neuro and spine surgeon at Apollo Hospitals.

He said this could be done because "we have the benefit of all diagnostic imaging—CT scan and MRI—results being fused together into robotic computer" so the mechanical arm can avoid dam-

age to other organ.

"Most medical equipments are being invented abroad and we have to import them at a high cost. India has lagged behind. If engineering institutes such as IITs and top medical colleges can work together, we can outpace them in developing new technologies," the doctor said. He cited the example of a software programme developed by IIT wherein a boy paralysed neck down could operate computer with only five keys.

"In 1970s, till the CT scan was made available, surgeons would explore just on history and clinical examination to see which part of brain is involved. But now we have advanced imaging system such as MRI to explore all details of the abnormality," Prasad said.

Times of India, ND 01/08/2014 P-19

# USB offers hackers direct route to computers

## Keyboards, Thumb-Drives, Mouse Can Be Used To Load Malware In PCs Without Detection

**Boston:** USB devices such as keyboards, thumb-drives and mice can be used to hack into personal computers in a potential new class of attacks that evade all known security protections, a top computer researcher revealed on Thursday.

Karsten Nohl, chief scientist with Berlin's SR Labs, noted that hackers could load malicious software onto tiny, low-cost computer chips that control functions of USB devices but which have no built-in shields against tampering with their code.

"You cannot tell where the virus came from. It is almost like a magic trick," said Nohl, whose research firm is known for uncovering major flaws in mobile phone technology.

The finding shows that bugs in software used to run ti-

ny electronics components that are invisible to the average computer user can be extremely dangerous when hackers figure out how to exploit them. Security researchers have increasingly turned their attention to uncovering such flaws. Nohl said his firm has performed attacks by writing malicious code onto USB control chips used in thumb drives and smartphones. Once the USB device is attached to a computer, the malicious software can log keystrokes, spy on communications and destroy data, he said.

Computers do not detect the infections when tainted devices are inserted because antivirus programs are only designed to scan for software written onto memory and do not scan the "firmware" that



© C.J. Burton/Corbis

### NEW SECURITY THREAT

controls the functioning of those devices, he said. Nohl and Jakob Lell, a security researcher at SR Labs, will describe their attack method at next

week's Black Hat hacking conference in Las Vegas, in a presentation titled: "Bad USB - On Accessories that Turn Evil."

Thousands of security pro-

fessionals gather at the annual conference to hear about the latest hacking techniques, including ones that threaten the security of business computers, consumer electronics and critical infrastructure.

Nohl said he would not be surprised if intelligence agencies, like the National Security Agency, have already figured out how to launch attacks using this technique.

Last year, he presented research at Black Hat on breakthrough methods for remotely attacking SIM cards on mobile phones. In December, documents leaked by former NSA contractor Edward Snowden demonstrated that the U.S. spy agency was using a similar technique for surveillance, which it called "Monkey Calendar." An NSA spokeswoman de-

clined to comment.

SR Labs tested the technique by infecting controller chips made by major Taiwanese manufacturer, Phison Electronics Corp., and placing them in USB memory drives and smartphones running Google Inc's Android operating system. Alex Chiu, an attorney with Phison, told Reuters via email that Nohl had contacted the company about his research in May. "Nohl did not offer detailed analysis together with work product to prove his finding," Chiu said. "Phison doesn't have ground to comment (on) his allegation." Chiu said that "from Phison's reasonable knowledge and belief, it is hardly possible to rewrite Phison's controller firmware without accessing our confidential information." REUTERS



Times of India ND 1/08/2014 P-6

# Robotic arms fix deformed spine, help 10-yr-old stand

## City Docs Remove Pus, Put Screws To Straighten Vertebrae

TIMES NEWS NETWORK

**New Delhi:** A 10-year-old boy from Bihar, who suffered from a collapsed vertebra at the mid-chest level leading to compression of the spinal cord with a large collection of pus in the area, recently underwent robotic surgery at a private hospital. Doctors claim this is the first time a complex spinal deformity has been fixed using robotic arms.

The robot not only fixed screws to straighten the vertebrae that had turned into a hunchback but it also helped surgeons remove the pus collected inside without cutting open the chest. It is suspected that the pus formation was caused due to tuberculosis infection.

Dr Rajendra Prasad, senior consultant in the neurosurgery department at Apollo Hospital, said the surgery—performed on July 15—“involved draining the pus in the first stage. Once he recovered from the surgery, his vertebrae were fixed from behind after a week to enable early mobilization”.

The doctors decided to conduct surgery using robotic arms to ensure faster recovery and reduce the risk of any inconsistency in fixing the screws. “Conventionally, the chest has to be cut open to remove the pus and then another procedure is conducted to fix the vertebrae using screws. It takes longer to recover and even with the skills of an experienced surgeon, there are chances of screw penetration and damage of the spine nerves and, in some cases, paralysis,” said Dr Arun Prasad, senior consultant, minimal access surgery.

“The surgery is expensive by over Rs 40,000 to Rs 50,000 than the normal surgery, but there are several benefits,” he added.

Nutan Jaiswal, Shivam’s mother, could not thank the

## HIGH-TECH HAND

In the past few years, doctors have been increasingly using robotic surgery for a range of procedures

### HOW IT WORKS

**Step 1:** Unlike conventional procedures where surgeons have to cut open a patient to gain access to internal organs, robotic surgery is done by making 3 small holes in the body

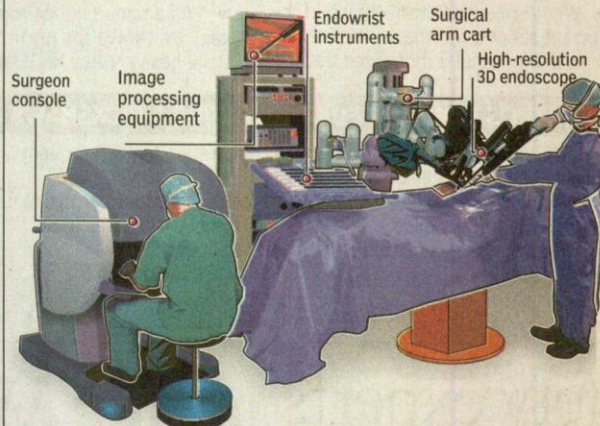
**Step 2:** Through 1 hole, a high-powered camera or endoscope is inserted and held by a robotic arm. It helps the surgeon get a 3D vision of diseased organs

**Step 3:** Two more robotic arms are used to insert instruments through other 2 holes. Doctors manipulate surgical tools using hand-held joysticks



### How it started in India

Dr Naresh Trehan at Escorts Hospital procured the first robot in Asia in 2001 for cardiac surgery. The first urological robotic programme was started at AIIMS in 2006. Over 15 centres across the country now have active robotic surgery units for gynaecological, bypass, prostate and bariatric procedures



### Advantage

- 3D vision
- 360-degree movements
- Accurate cutting
- Less pain & bleeding
- Faster recovery

**In spine surgery/fixation, high precision helps reduce risk of damage to nerves while putting screw**

### FUTURE

Current robotic system cannot run on its own, surgeons have to manoeuvre it. Researchers are exploring the possibility of designing special software and equipment that will allow a robot to perform the procedure on its own, like a driverless vehicle

doctors enough. “My child had been suffering from fever and back pain for over six months. We took him to local physicians and specialists in Dhanbad and Patna but they failed to

diagnose the infection. This led to pus formation in the vertebrae and spinal curve. Had he not been operated in time, he would have been paralysed,” she said.

Apollo Institute of Robotic Surgery has performed 316 successful surgeries till date in several disciplines—urology, paediatrics, gynaecology, bariatric and gastroenterology.

# Now, breathe easy in space with artificial leaves

**London:** An inventor in the UK has developed the world's first synthetic biological leaf that absorbs water and carbon dioxide to produce oxygen just like a plant, and it could enable long-distance space travel.

The leaf, created by Royal College of Art student Julian Melchiorri, consists of chloroplasts suspended in a matrix made out of silk protein. "The material is extracted directly from the fibres of silk," Melchiorri said. "This material has

an amazing property of stabilizing molecules. I extracted chloroplasts from plant cells and placed them inside this silk protein. As an outcome I have the first photosynthetic material that is living and breathing as a leaf does," he said.

Like the leaves of a plant, Melchiorri's Silk Leaf needs light and a small amount of water to produce oxygen, 'Dezeen' reported. "Silk Leaf is very light, low energy-consuming, it's completely biological,"



he said, adding, "Plants don't grow in zero gravity. Nasa is looking at different ways to produce oxygen for long-distance space journeys to let us live in space. This material could allow us to explore space much further than we can now." Melchiorri hopes his creation could be used futuristic architectural projects like deploying giant leaves as air filters, hanging them on the exterior of buildings to absorb CO2 and channel fresh air inside. **PTI**

**EXPANSION ZONE** Infusion of fresh funds and the need to build scale have led to spurt

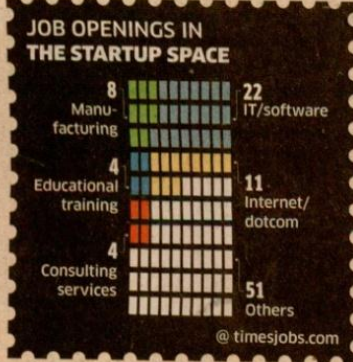
# Startups Go on a Hiring Spree

## Talent Superhighway

Kelly Services estimates the creation of **15,000** jobs in the startup space in the next six months

Venturesity has seen a **300%** increase in the number of Java openings and twice the number of user acquisition job profiles in firms since last year

At ABC Consultants, the demand for startup talent has doubled over last year



TaxiForSure plans to hire **100 to 115** people in operations, engineering and marketing across various locations in this quarter

Urban Ladder plans to hire **150-200** new recruits in the next six months

**ANUMEHA CHATURVEDI**  
NEW DELHI

Submit your resignation today! Awesome startups are hiring," screams an advertisement by Bangalore-based Venturesity, which finds talent for angel and VC-backed companies. The ad goes on to list the many perks of working for a startup and the openings.

"It's raining jobs," says Venturesity co-founder Subhendu Panigrahi. His firm has seen a 300% increase in the number of Java openings and twice the number of user acquisition job profiles since last year. He is hunting for talent for 50 funded startups, up from seven when he started last year.

Jobs have opened up in the start-up space in India as international as well as domestic firms get fresh funding and feel the need to build scale here.

Julian Frachtman is networking in San Francisco for his six-month-old angel funded startup Appkeys, a mobile app promotion network, which curates lists of apps. But for talent, Frachtman's eyes are set on India, where he plans to hire engineers and open an office this year.

"It's a competitive advantage as Indian talent brings down our costs by about 25%. There's a constant churn in the US as companies like Facebook, Twitter and Apple have deep pockets and are always looking for key talent," he says.

Bain's private equity report for 2014 states that despite an overall slowdown, private equity continued to play a pivotal role in India's capital needs, accounting for 54% of foreign direct investment inflows in 2013 against 45% in 2012. This year has seen 73 VC deals so far, generating \$230 million, according to research firm Venture Intelligence.

Kelly Services estimates that 12,000 to 15,000 jobs will be created in the next six

months in the space. "Every year, 20,000 to 25,000 jobs are created by startups in India. This number is likely to go up," says Kamal Karanth, MD, Kelly Services India and Malaysia.

At ABC Consultants, demand for start-up talent has doubled over last year. "With funding flowing in, demand for talent has been high unlike other sectors which have taken a cautionary approach to hiring," says Shiv Agrawal, MD, ABC Consultants.

"An increasing number of start-up ventures are hiring people in big numbers by offering them the thrill of innovation, good compensation and meaty roles, generating ample job opportunities," says Srikanth Rengarajan, executive director and president, ManpowerGroup India.

The need for hiring is also leading firms to launch unique talent hunts. TaxiForSure, which raised a second round of funding worth \$10 million from VC firm Bessemer Venture Partners in May, is running the Most Awesome Job campaign. The unconventional role could, according to the job description, make the selected candidate the most sought after in the company.

"In our expansion spree, we keep coming up with various innovations like viral campaigns and social media ideas. We feel it's now a full-time job that needs an extraordinary person to plan and execute them. That's how the most awesome job campaign was conceived," says Aprameya Radhakrishna, co-founder, TaxiForSure.

TaxiForSure is aiming at closing 100 to 115 positions in operations, engineering and marketing across various locations in this quarter. For almost all positions, the re-

quirement has gone up by 50% over the previous quarter.

Chennai-based cloud based customer support solutions firm Freshdesk's headcount went to 250 last quarter from 200 in the previous quarter as the company scaled up its engineering operations. The company received \$31 million Series D funding (the fourth stage in the seed stage financing cycle of a new business' growth) from Tiger Global, Accel Partners and Google Capital in June after raising \$7 million in Series C funding from Accel Partners and Tiger Global in November last year.

"Once Series A and B financing comes in, the focus shifts to growth - acquiring new customers rapidly and scaling up international operations. We've hired a considerable number of sales people in the last quarter alone," says Girish Mathrubootham, founder and CEO.

At online curated furniture seller Urban Ladder, the bulk of hiring has taken place over the past two quarters and the employee base is set to double in the next six months with 150-200 new recruits. Urban Ladder raised \$20 million in Series B funding led by Steadview Capital, with participation from existing investors including SAIF Partners and Kalaari Capital this month.

With the new round of funding, the company plans to focus on building its technology platform, and is looking for people who can provide digital solutions for furniture shopping.

"Most of the hiring will happen within these functions to support our plans of scaling up. We are looking at senior profiles for finance, operations and quality control where vertical skillset is highly valuable," says Rajiv Srivatsa, COO and co-founder, Urban Ladder.

anumeha.chaturvedi@timesgroup.com