

# Newspaper Clips

## December 5, 2013

News Column

## **Research Conducted at Indian Institute of Technology Has Provided New Information about Polymer Research**

December 10, 2013 ([http://www.hispanicbusiness.com/2013/12/4/research\\_conducted\\_at\\_indian\\_institute\\_of.htm](http://www.hispanicbusiness.com/2013/12/4/research_conducted_at_indian_institute_of.htm))

By a News Reporter-Staff News Editor at Journal of Technology -- Current study results on Polymer Research have been published. According to news originating from New Delhi, India, by VerticalNews correspondents, research stated, "A novel series of itaconimide/nadimide-functionalized benzoxazine monomers (I-Bz/N-Bz) from imide-terminated amines, paraformaldehyde and phenol/m-cresol/cardano1/4-(hydroxyphenyl) benzoxazole were synthesized and characterized by FT-IR, H-1 and C-13 NMR and HRMS analyses. The I-Bzs exhibited lower curing temperatures compared to the N-Bzs, which may be attributable to the presence of the 1,1-disubstituted double bond in itaconimide."

Our news journalists obtained a quote from the research from the Indian Institute of Technology, "The poly(I-Bz)s exhibited higher glass-transition temperatures (210-216 degrees C) compared to the poly(N-Bz)s (151-178 degrees C). The itaconimide- and nadimide-functionalized benzoxazines showed comparable thermal stability, but differences in their phenolic structures affected their thermal behavior (char yield and T-max). The poly(I-Bz)s (19-47%) showed higher char yields compared to the poly(N-Bz)s (18-41%), depending on the backbone structure."

According to the news editors, the research concluded: "The highest lap-shear strength at 200 degrees C was observed in I-Bz/N-Bz derived from m-cresol."

For more information on this research see: Synthesis of itaconimide/nadimide-functionalized benzoxazine monomers: Structural and thermal characterization. *Reactive & Functional Polymers*, 2013;73(11):1544-1552. *Reactive & Functional Polymers* can be contacted at: Elsevier Science Bv, PO Box 211, 1000 Ae Amsterdam, Netherlands. (Elsevier - [www.elsevier.com](http://www.elsevier.com); Reactive & Functional Polymers - [www.elsevier.com/wps/product/cws\\_home/502694](http://www.elsevier.com/wps/product/cws_home/502694))

The news correspondents report that additional information may be obtained from S.N. Kolanadiyil, Indian Inst Technol Delhi, Center Polymer Sci & Engn, New Delhi 110016, India. Additional authors for this research include J. Bijwe and I.K. Varma.

For more stories covering the world of technology, please see [HispanicBusiness' Tech Channel](#)

**Source:** Journal of Technology

# Start-ups jump to top of IIT placements queue

Hemali Chhapia &  
Samidha Sharma | TNN

**Mumbai:** Life can come full circle in just a year. Advitiya Sharma sat uncomfortably in his dark suit as he pitched himself to top companies at IIT-Bombay last year.

This week, Sharma was back on the campus, in infor-

mal tees — as befits an engineer-turned-entrepreneur — picking up students from the Class of 2014.

The co-founder of housing.com, a campus-born company, seemed at home sharing space at the IITs with global tech biggies like Google and Oracle — them with their bulge-bracket

salary offers and promises of overseas postings — on the opening day of campus placements. The house-hunting portal snared 45 IIT graduates during top slots at campuses in Delhi, Mumbai, Kharagpur and Guwahati.

The mating season spreads across five months at engineer-

ing colleges; they have traditionally been fertile ground for start-ups in search of fresh talent and energy. This year though, a new pecking order appears to have emerged. Several recently incubated ventures have jumped to the head of the queue and are powering the opening days of campus placement.

► **'Can take risks', P 11**

## 'Looking for ones who can take risks'

► Continued from P 1

Never have so many start-ups made it to the first few slots. Not only are they paying a lot more, they are also popular among students because they have interesting profiles," said Avijit Chatterjee, placement head at IIT-Bombay. "A lot of them are students who have graduated from here and they know exactly what they are looking for." Companies are paying northwards of Rs 12-18 lakh (gross), and many are offering stock options, said placement team member.

Apart from Housing, IIT-B has given pride of placement to online restaurant discovery guide Zomato, online retailers Flipkart and Myntra, job site Naukri and Gulf Talent (for a posting in Dubai), classifieds website Quickr, and multi-screen gaming platform Snapstick. In the coming days, cab companies Ola and Meru, algorithmic trading firm iRage-capital, flight ticket booking site ibibo and customised soft-

**One of the older start-ups, Snapdeal, hired 40 students last year, its co-founder Kunal Bahl, says he is looking to pick another 50 students this year**

ware developer Skiify Solutions are in line to come.

Over the past couple of years, with the success of tech-based start-ups like Flipkart, Inmobi and Snapdeal, there is a sea-change in the way students at prestigious IITs are evaluating offers from this new universe of employers. While most start-ups said it's still difficult for non-funded ventures to attract talent from the IITs, the dynamics change dramatically once they've got money in the machine.

Bhavish Agarwal, 27, co-founder & CEO of Ola and an IIT-Bombay alumnus, said his two-year-old company will hire as many as 20 IIT students this

year compared to five in 2012. "We'll be at IIT-Bombay on Thursday and look for students who are not necessarily the best academically but have the raw talent to take risks. Ola plans to offer an annual package of Rs 10-12 lakh this year. "The profiles we look for are not typically the ones a big consulting firm would pick," he added.

Zomato hired students from IIT-Delhi and IIT-Bombay in the first two days of placement season this year at an annual remuneration of Rs 26 lakh. Founder & CEO Deepinder Goyal said his five-year-old venture went for pre-placement talks with students this year to understand what they were looking for while evaluating offers. "We had to give competitive salaries because by Days 5 and 6 the best talent is gone. That's how campus hiring works," he said. Zomato raised \$37 million from Sequoia Capital and existing investor Infoedge valuing the Delhi-based start-up at over \$150 million (Rs 900 crore).

One of the older start-ups

Snapdeal hired 40 students from across IITs last year and its co-founder Kunal Bahl, a Wharton grad, said the e-commerce firm is looking to pick another 50 students this year. "For us the fit with the cultural and business needs are more important than the number we hire. The idea is to keep building a pipeline of future leaders who will bring new thoughts and abilities," Bahl said.

This year at IIT-Kanpur, 18-20 start-ups are slotted for Week 1 and another 14 for the following week. At IIT-Madras, four start-ups have been slotted for the first week, with salaries in the range of Rs 8-11 lakh. By the end of Day 3, Flipkart had hired eight students. "Companies have been slotted on the basis of their salary packages and job profiles," said V Babu, advisor, training & placement at IIT-M. "It goes to show that these start-ups have graduated," said a member of the placement team at IIT-Kharagpur, which has also been playing host to a bevy of start-ups.

# Tokyo calling: 15 Japanese firms hunt for talent at IIT placements

**NEW TREND** Only 3 came last year; spurt in hiring got the attention of Japan's national broadcaster

Apekshita Varshney and  
Puja Pednekar

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**MUMBAI:** The campus placements at the Indian Institute of Technology (IIT), at Powai, saw an abundance of Japanese companies this year. This year, 15 Japanese firms have come to recruit students in the first phase of campus placements, while only two to three firms had participated in 2012-13.

Interestingly, the placements by the Japanese companies also attracted the attention of NHK, Japan's national public broadcaster, which has been covering the placement process at the IIT-B campus.

"The Japanese companies see good investments in hiring Indian youth as they adapt well to foreign settings. These companies seem to be expanding and are on the lookout for international talent," said Avijeet Chatterjee, who is the professor in-charge of placements at IIT-B.

Fifteen Japanese companies that participated in the placements this year include a mix of big and small companies from various sectors such as Information Technology to chemical and manufacturing companies.

While companies such as

## JOB ABOUND IN IIT PLACEMENTS

### 2013-14 : DAY ONE

37 Number of companies

182 Number of students placed

### DAY TWO

40 Number of companies

145 Number of students placed

### DAY THREE

25 Number of companies

113 Number of students placed

### 2012-13

4 Average number of students recruited per company

### 2013-14

5 Average number of students recruited per company

There has been a 10-15% rise in the pay packages

Number of students placed in various companies so far

Samsung	42
Taiwan Semiconductors	18
EPIC	18
Goldman Sachs	16
Oracle	13

Companies like Rolls Royce, Dell, McAfee, GE (General Electric), Quikr, Groupon, among others participated on day four of placements.

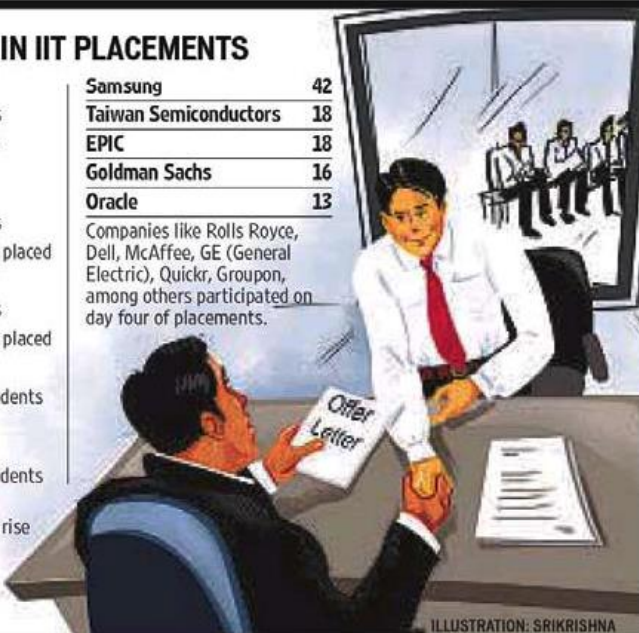


ILLUSTRATION: SRIKRISHNA

Sony (Japan) participate almost every year, Yahoo (Japan) and some other smaller companies like Sesmix, Rakuten have participated for the first time.

"The media coverage and the climb in the number of participating companies could probably be on account of increasing efforts to strengthen Japan's relationship with the Indian

government," said Sunil Mehta, assistant placement officer at the IIT-B.

Adding to the pool of global companies are several Middle Eastern firms and companies offering core jobs that have been slotted for the upcoming days.

Companies like Rolls Royce, Dell, McAfee, GE (General

Electric), Quikr, Groupon, among others, participated on day four of placements. The interviews were scheduled till 2 am on Wednesday morning.

The average number of students recruited per company is also a shade higher this year at five students per company, while it was four students per company last year.

IT IS OBVIOUS THAT THESE JAPANESE COMPANIES BELIEVE THAT HIRING INDIAN YOUTHS WOULD BE A GOOD INVESTMENT AS THEY (INDIANS) ADAPT WELL TO FOREIGN SETTINGS. THESE COMPANIES SEEM TO BE EXPANDING AND ARE ON THE LOOKOUT FOR INTERNATIONAL TALENT.

AVIJEET CHATTERJEE, professor in-charge of placements at IIT-B.

At the end of day three of campus placements, total number of job offers stood at 450, while 113 students were placed on Tuesday.

The first phase of placements had started on December 1 and will continue till December 18. Around 102 companies have participated in the placements so far.

Print Close Window

# Times Higher Education rankings: India has only 10 institutes in top 100, Panjab University ahead of six IITs

**Anubhuti Vishnoi** Posted online: Thursday, Dec 05, 2013 at 0000 hrs

The inaugural Times Higher Education BRICS & Emerging Economies Rankings 2014 have highlighted China's 'utter dominance' in the higher education sector. Though India is nowhere near its neighbour, 10 of its institutes figure in the top 100 list, which was published Tuesday after analysing institutes from 22 countries.

China has claimed four of the top 10 slots, and 23 of the top 100. The country's Peking University leads the rankings and Tshingua University is second. Taiwan, officially the Republic of China, has notched up 21 slots.

The Indian tally is led by Chandigarh's Panjab University, which has claimed the thirteenth place, ahead of six IITs that stand between No. 30 and No. 47. A high citation record is seen as the reason behind PU's success. Other Indian institutes on the list are Jadavpur University (No. 47), Aligarh Muslim University (No. 50) and Jawaharlal Nehru University (No. 57).

Phil Baty, editor of the Times Higher Education Rankings, told The Indian Express: "Its elite group of specialist institutions, the IITs, do well overall, but India has perhaps been so focused on meeting the extremely high demand for additional university places that it has allowed quality to suffer. Student numbers have exploded, but quality has not been maintained."

"There are wider concerns about teaching in India — ensuring graduates have up-to-date skills for the job market, and can think creatively and prepare for an uncertain future," he said, adding that Indian institutions needed a "stronger research culture".

The rankings also threw up some surprises. Turkey has claimed three places in the top 10 and seven in the top 100. Russia, however, has only two institutes on the list. No institute from Pakistan, Indonesia and Philippines made it to the list.

Baty said China's "utter dominance" should "serve as a warning to the other BRICS that they risk losing out in the global race if they do not put further energy and resources into developing their universities to compete with the very best".

The rankings are based on thirteen indicators such as industry income, innovation, teaching, learning environment, citations, students, etc.

Apart from the BRICS nations, the rankings also considered countries classified as emerging economies by the FTSE — a provider of economic and financial data.

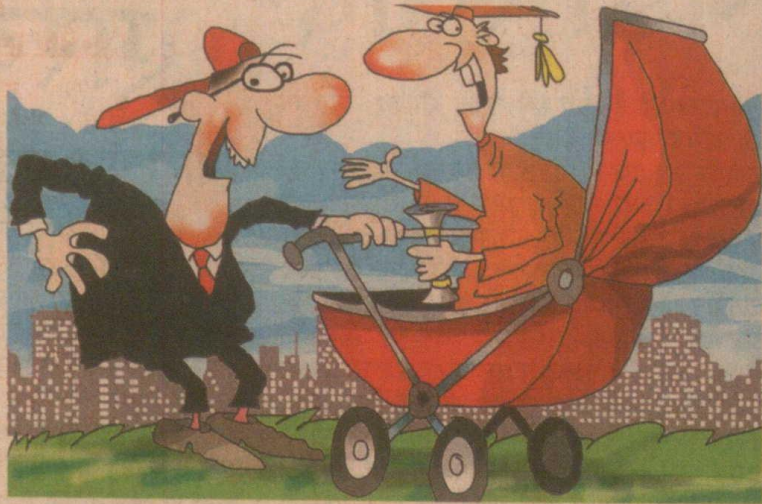
**स्टार्ट-अप्स की ओर से दिए गए ऑफर IIT स्टूडेंट्स लपक रहे हैं क्योंकि वहां उनके लिए सीखने के बेहतर मौके होते हैं**

# IIT प्लेसमेंट सीजन में गेमचेंजर बनीं स्टार्टअप

[ ईटी ब्यूरो | मुंबई & कोलकाता ]  
देश के विभिन्न आईआईटी में इस बार के प्लेसमेंट सीजन के पहले चार दिनों में ई-कॉमर्स कंपनी फ्लिपकार्ट ने धूम मचा दी है। वह अब तक सबसे बड़ी रिक्रूटर के रूप में सामने आई है। वूकर, एडुडाइम, जेमोसो लैब्स जैसी दूसरी तमाम कम चर्चित स्टार्ट-अप्स भी ठीक-ठाक संख्या में हायरिंग कर रही हैं। इस तरह वे टैलेंट को अपने पाले में खींचने की होड़ में कई जानीमानी कंपनियों को टक्कर दे रही हैं।

फ्लिपकार्ट ने अब तक 118 ऑफर दिए हैं और आईआईटी स्टूडेंट्स में उसका दिलचस्प क्रेज बन गया है। सूत्रों के मुताबिक, आईआईटी-रुड़की में ही 1600 स्टूडेंट्स में से 600 ने प्लेसमेंट में फ्लिपकार्ट के साथ जॉब के लिए अप्लाई किया। कंपनी ने वहां से 11 स्टूडेंट्स को सिलेक्ट किया। कंपनी ने सबसे ज्यादा 36 स्टूडेंट्स को आईआईटी-कानपुर से चुना।

फ्लिपकार्ट के को-फाउंडर सचिन बंसल ने इकनॉमिक टाइम्स से कहा कि हमारा यूएसपी बेहद साफ है। जो हमारे यहां जॉइन करते हैं, उन्हें एक कंपनी का कारोबार बुनियाद से खड़ा करने का मौका मिलता है। वे कंपनी के साथ आगे बढ़ते हैं। छह साल पहले आईआईटी से निकले स्टूडेंट्स ने ही फ्लिपकार्ट की नींव रखी थी। पिछले 6 महीनों में कंपनी ने 36 करोड़ डॉलर जुटाए हैं। कंपनी ने अब तक साढ़े 10 लाख से साढ़े 11 लाख रुपये की रेंज में सैलरी ऑफर की है। यह इस साल आईआईटी में इस साल ऑफर की गई औसत सैलरी से कुछ ज्यादा, लेकिन सिटीकॉर्प जैसे बड़े नामों और यहां तक कि कुछ छोटी स्टार्ट-अप्स की ओर से ऑफर की जा रही सैलरी से कम है।



जहां फ्लिपकार्ट धमाल मचा रही है, वहीं कुछ छोटी और बेहद नामालूम सी स्टार्ट-अप्स ने भी आईआईटी कैम्पस में धावा बोल दिया है जहां उन्हें हाथों-हाथ लिया जा रहा है। आईआईटी-रुड़की में बंगलुरु की ई-कॉमर्स कंपनी वूकर और एनालिटिक्स फर्म एक्सट्रिया हायरिंग कर

रही हैं, वहीं आईआईटी-कानपुर में में मोबाइल एडवर्टाइजिंग टेक्नॉलजी मेकर कंपनी इनमोबी और फज्जी लॉजिक ने ऑफर दिए हैं।

आईआईटी-खडगपुर में तो ए-स्टार सिंगापुर, हाउसिंगडॉटकॉम, क्रोनस, आईवी कैप वेंचर, एडुडाइम, इंटरव्यूस्ट्रीट, एप्पडेली और शैरोबी जैसी कंपनियों की कतार लगी है। आईआईटी-गुवाहाटी में कैपिलरी टेक्नॉलजी, हाइक और जेमोसो लैब्स ने ऑफर दिए हैं। अकेले गुवाहाटी में ही स्टार्ट-अप्स ने 30 से ज्यादा हायरिंग की है। आईआईटी-गुवाहाटी में फैकल्टी इनचार्ज (ट्रेनिंग एंड प्लेसमेंट) नटेशन श्रीनिवासन ने कहा कि फ्रेश ग्रेजुएट्स में जो ट्रेड दिख रहा है, यह दरअसल आने वाले दिनों की झलक है।

स्टार्ट-अप्स के फेवर में दरअसल कई बातें काम कर रही हैं। उनके यहां काम करने के लिहाज से टाइमिंग फ्लेक्सिबल है। टीम छोटी रहती है तो स्टाफ के बीच बॉन्डिंग बेहतर रहती है।

## पते की बात

इस बार आईआईटी प्लेसमेंट में स्टार्ट-अप्स कंपनियों का दबदबा है। प्लेसमेंट सीजन के पहले चार दिनों में ई-कॉमर्स कंपनी फ्लिपकार्ट ने धूम मचा दी है। वह अब तक सबसे बड़ी रिक्रूटर के रूप में सामने आई है। वूकर, एडुडाइम, जेमोसो लैब्स जैसी दूसरी तमाम कम चर्चित स्टार्ट-अप्स भी ठीक-ठाक संख्या में हायरिंग कर रही हैं।

# IIT से रिक्रूटमेंट में स्टार्टअप निकले आगे

फिलपकार्ट, वूकर, एडुडाइम, जोमोसो लैब्स जैसे स्टार्टअप्स टैलेंट खींचने में बड़ी फर्मों को दे रहे टक्कर



[ईटी ब्यूरो। कोलकाता, मुंबई]

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छह साल पहले आईआईटी से निकले स्टूडेंट्स ने ही फिलपकार्ट की नींव रखी थी। पिछले 6 महीनों में कंपनी ने 36 करोड़ डॉलर जुटाए हैं। कंपनी ने अब तक साढ़े 10 लाख से साढ़े 11 लाख रुपये की रेंज में सैलरी ऑफर

की हैं। यह इस साल आईआईटी में इस साल ऑफर की गई औसत सैलरी से कुछ ज्यादा, लेकिन सिटीकॉर्प जैसे बड़े नामों और यहां तक कि कुछ छोटी स्टार्ट-अप्स की ओर से ऑफर की जा रही सैलरी से कम है।

जहां फिलपकार्ट धमाल मचा रही है, वहीं कुछ

**स्टूडेंट्स अब स्टार्ट-अप्स में ज्यादा दिलचस्पी दिखा रहे हैं। इसकी एक वजह यह भी है कि इनमें से कई की शुरुआत IIT से निकले स्टूडेंट्स ने ही की है।**

**अविजीत चटर्जी, आईआईटी-बॉम्बे में प्रोफेसर, इंचार्ज (प्लेसमेंट)**

छोटी और बेहद नामालूम सी स्टार्ट-अप्स ने भी आईआईटी कैम्पस में धवा बोल दिया है जहां उन्हें हाथों-हाथ लिया जा रहा है। आईआईटी-रुड़की में बंगलुरु की ई-कॉमर्स कंपनी वूकर और एनालिटिक्स फर्म एक्सट्रिया हायरिंग कर रही हैं, वहीं आईआईटी-कानपुर में मोबाइल एडवर्टाइजिंग टेक्नॉलजी मेकर कंपनी इनमोबी और फज्जी लॉजिक ने ऑफर दिए हैं। आईआईटी-खड़गपुर में तो ए-स्टार सिंगापुर,

हाउसिंगडॉटकॉम, क्रोनस, आईवी कैप वेंचर, एडुडाइम, इंटरव्यूस्ट्रीट, एम्पडेलो और शैरोबी जैसी कंपनियों की कतार लगी है। आईआईटी-गुवाहाटी में कैपिलरी टेक्नॉलजी, हाइक और जेमोसो लैब्स ने ऑफर दिए हैं। अकेले गुवाहाटी में ही स्टार्ट-अप्स ने 30 से ज्यादा हायरिंग की हैं।

आईआईटी-गुवाहाटी में फैकल्टी इनचार्ज (ट्रेनिंग एंड प्लेसमेंट) नटेशन श्रीनिवासन ने कहा कि फ्रेश ग्रेजुएट्स में जो ट्रेंड दिख रहा है, यह दरअसल आने वाले दिनों की झलक है। स्टार्ट-अप्स के फेवर में दरअसल कई बातें काम कर रही हैं। उनके यहां काम करने के लिहाज से टाइमिंग फ्लेक्सिबल है। टीम छोटी रहती है तो स्टाफ के बीच बॉन्डिंग बेहतर रहती है। कर्मचारी का काम बेहतर ढंग से झलकता है। लोग अलग-अलग वर्टिकल्स में एकसाथ काम करने का मौका भी पाते हैं। इस तरह उनके करियर को अच्छी रफ्तार मिलने की संभावना बनती है। आईआईटी-बॉम्बे में प्रोफेसर इन्चार्ज (प्लेसमेंट) अविजीत चटर्जी ने कहा कि स्टूडेंट्स अब स्टार्ट-अप्स में ज्यादा दिलचस्पी दिखा रहे हैं। इसकी एक वजह यह भी है कि इनमें से कई की शुरुआत आईआईटी से ही निकले स्टूडेंट्स ने की थी। कुछ बड़ी स्टार्ट-अप्स के पास अच्छा इनवेस्टमेंट आया है तो वे बढ़िया पैकेज भी ऑफर कर रही हैं। आईआईटी-रुड़की में वूकर ने दो सॉफ्टवेयर इंजीनियरों को 10 लाख 27 हजार रुपये (अलग-अलग) ऑफर किए हैं।

Deccan Herald ND 12/5/2013 P-8

## UGC all set to take over technical education council

Supreme Court had stripped powers of AICTE

Prakash Kumar

NEW DELHI: The University Grants Commission (UGC) has drafted regulations to take over the charge of All India Council for Technical Education (AICTE) to regulate technical colleges affiliated to varsities across the country, about eight months after a Supreme Court verdict stripped the council off its powers.

The draft UGC (Approval of Colleges offering Technical Education by Universities) Regulations, 2013, seeks to exercise its powers on "all colleges" offering technical education, seeking approval or already approved or affiliated to varsities established "under a Central Act, a Provincial Act or a State Act."

Under the proposed regulations, an autonomous college would mean an institution, to

which autonomy was granted by the statutes of an affiliating university. A deemed university would mean an institution declared to be so under UGC Act, 1956. If the regulation gets its final shape in its present form, the technical institutes will come under the jurisdiction of the UGC on all matters including approval of technical colleges and their courses which were earlier taken care of by the AICTE.

The UGC regulations come at a time when a debate over a proposal to give back regulatory powers to the AICTE ei-

ther by an ordinance or a amendment law has not concluded in the Human Resource Development Ministry.

According to sources, a section of senior officials in the ministry are not in favour of giving the AICTE its powers back even as the council was learnt to be making efforts to find the legal remedy to regain its powers. "Let's see what happens. The UGC had to formulate regulations in view of the apex court orders," a senior ministry official said.

Stripping the AICTE of its powers to regulate technical

colleges in April this year, the apex court held that colleges affiliated to a university did not come under the purview of the definition of "technical institution" under the AICTE Act. The judgement had noted that such powers were vested with the UGC.

With technical institutes in the country virtually standing unregulated, the UGC has begun taking feed back from all the stakeholders on its draft regulations to give it a final shape so that "existing technical including engineering colleges" affiliated to universities

in the country "do not dilute standards of technical education imparted by them."

Ministry officials say that the UGC has formulated the draft regulations also because a large number of applications for approval of new institutes or courses have been pending following the apex court's verdict. The regulations propose various actions including penal action against technical colleges affiliated by universities across the country on cases of violation of any of its provisions.

DH News Service

# नए आईआईटी को सौगात, एक महीने पहले कर सकेंगे प्लेसमेंट

## पुराने आईआईटी ने नए संस्थानों के हित में सर्वसम्मति से किया फैसला



यह नियम सिर्फ तीन साल के लिए ही लागू होगा और फिर समीक्षा के बाद इसे आगे बढ़ाने के बारे में फैसला किया जाएगा।

### कल्पना पाठक

नए भारतीय प्रौद्योगिकी संस्थानों (आईआईटी) को उसके पुराने साथियों की तरफ से शानदार सौगात मिली है, जिन्होंने नए नवेले संस्थानों को अपने यहां नियुक्ति प्रक्रिया एक महीने पहले शुरू करने की मंजूरी दे दी है।

आईआईटी संस्थानों का कहना है कि अधिकांश कंपनियां पुराने आईआईटी से भर्ती करने को तरजीह देती हैं, इसलिए सर्वसम्मति से फैसला किया गया कि नए आईआईटी एक महीने पहले अपने यहां प्लेसमेंट प्रक्रिया शुरू कर सकते हैं। हालांकि यह नियम सिर्फ तीन साल के लिए ही लागू होगा और फिर समीक्षा के बाद इसे आगे बढ़ाने के बारे में फैसला किया जाएगा।

नतीजतन कुछ नए आईआईटी लगभग 20-25 फीसदी छात्रों को नियुक्ति दिलाने में कामयाब रहे हैं। आईआईटी पटना के एक नियुक्ति अधिकारी ने कहा, 'यह फैसला किया गया था कि नए आईआईटी दिसंबर की तुलना में नवंबर में प्लेसमेंट की प्रक्रिया शुरू कर सकते हैं, जिससे कंपनियां नए कैंपसों से भी नियुक्तियां कर सकें। हम पहले ही अपने यहां 20 फीसदी प्लेसमेंट पूरे कर चुके हैं।' आईआईटी पटना को इस साल 100 से ज्यादा छात्रों को नियुक्तियां दिलानी हैं और यहां के छात्रों को 37 लाख रुपये सालाना का उच्चतम पैकेज देखने को मिला है, जबकि बीते साल यह आंकड़ा सालाना 18 लाख रुपये ही रहा था।

आईआईटी मंडी अपने बैच के कुल आकार की तुलना में 25 फीसदी नियुक्तियां दिला चुका है। गूगल, एमेजॉन और माइक्रोसॉफ्ट जैसी

कंपनियां नए आईआईटी में नियुक्तियां कर चुकी हैं। एक पुराने आईआईटी के निदेशक ने कहा, 'अधिकांश कंपनियां दहाई के अंकों में नियुक्तियां करती हैं। इस प्रकार हमने सोचा कि नए आईआईटी एक महीने पहले नियुक्ति दिलाने की प्रक्रिया शुरू कर सकते हैं, जिससे कंपनियां उनके कैंपसों से भी भर्तियां कर सकें। इसके अलावा नए आईआईटी संस्थानों में छात्रों की संख्या उतनी ज्यादा नहीं है, जितनी हमारे यहां होती है।'

पुराने आईआईटी के बैच का आकार 1,500 से ज्यादा होता है। अधिकांश नए आईआईटी संस्थानों के एक बैच का आकार 130 से ज्यादा नहीं है।

राजस्थान के आईआईटी रोपड़ जिसने 4 दिसंबर से प्लेसमेंट शुरू किया, ने कहा कि उसके कैंपस में छात्रों की परीक्षा को देखते हुए इस महीने प्लेसमेंट का फैसला किया गया। एमेजॉन, ईबे और अरिस्ता नेटवर्क्स सहित कई कंपनियों ने कैंपस में आने की पुष्टि की है। संस्थान में इस साल 105 छात्रों को नियुक्ति दिलाई जाएगी, जबकि बीते साल यह संख्या 96 रही थी।

पुराने आईआईटी जिन्होंने 1 दिसंबर को अपने यहां प्लेसमेंट की शुरुआत की थी, के छात्रों को कंपनियों की तरफ से आकर्षक नौकरियों की पेशकश देखने को मिली हैं।

कुछ आईआईटी में छात्रों को सालाना 1.3 करोड़ रुपये के वेतन पैकेज तक की पेशकश की गई। अभी तक वेतन में औसत 20 फीसदी से ज्यादा की बढ़ोतरी देखने को मिली है।

इस साल आईआईटी में भर्तियां करने वाली कंपनियों में गूगल, गोल्डमैन सैश, क्रेडिट सुइस, डी बी सेंटर, ओपरा सॉल्युशंस, माइक्रोसॉफ्ट,

आईबीएम, श्लमबर्गर, शेल और सैप आदि शामिल रहें। अधिकांश कंपनियों ने पुराने आईआईटी में दहाई अंकों में भर्तियां कीं।

पुराने आईआईटी में प्लेसमेंट का अंतिम चरण 1 से 20 दिसंबर तक चलेगा, जबकि दूसरा चरण 6 जनवरी से अप्रैल के अंत तक चलेगा। नए आईआईटी के लिए प्लेसमेंट सत्र मार्च, 2014 तक चलेगा।

# Pre-placements usher in good news

Gauri Kohli

The economic slowdown does not seem to have affected pre-placements at the country's major B-schools, with most management institutes reporting 100% summer placements for their students.

## TOP HIRERS AT IIM-A

IIM Ahmedabad, which successfully completed its summer internship placement process for the PGP and PGP-ABM batch of 2013-15, had 110 firms participating in the summer placement process, offering opportunities in various sectors and functions. Consulting, finance and e-commerce companies were the top recruiters besides global investment banks. In terms of the number of offers, the Boston Consulting Group was the top recruiter across clusters, selecting 14 students from campus.

Other major recruiters included Goldman Sachs, making seven offers; Aditya Birla Group and GE, extending 10 offers each; Johnson & Johnson, making nine offers; and Amazon and Infibeam extending nine offers each to students.

Highlighting the importance of the summer placements, Kirti Sharda, chairperson of the IIM-Ahmedabad placement committee, says, "At IIM-A, summer internships are an integral part of the PGP academic programme. Our recruiters play a key role in moulding our students into managers and leaders through internships."

## BOOM AT IIM-B

At IIM-Bangalore, the summer placement process for the Class of 2015 concluded in just three days, placing the largest ever batch of students at the institute.

A total of 135 recruiters visited the campus, which resulted in 398 internship offers for PGP students. While 29% of the offers were from the sales and marketing domain, around 22% of students bagged internships in the banking and financial services segment. The management consulting sector absorbed 23% of the batch.

## HIRING SPREE

- 110 firms participated in IIM-Ahmedabad's pre-placement drive
- A total of 135 recruiters visited the IIM-Bangalore campus
- At IIM-Lucknow, the recruitment drive saw participation of 159 domestic and international recruiters

According to Sankarshan Basu, chairperson, career development services at IIM-Bangalore, "Credit should also be given to the diversity and rich work experience of the batch. The two-month summer internship has been lauded by firms visiting the campus as it provides necessary corporate exposure, making our graduates ideal candidates for taking up a range of challenging managerial roles."

## ALL PLACED AT IIM-L

IIM-Lucknow achieved 100% summer placements for its 29th batch of 475 students within six days. The recruitment drive saw participation of 159 domestic and foreign companies.

The top four segments based on roles offered were sales and marketing, finance, consulting and business development. Despite the current economic situation, the institute attracted significant roles in the finance domain. Some of the top recruiting firms were Airtel, Hindustan Unilever, American Express, McKinsey, Boston Consulting Group, Deloitte and Accenture.

## XLRI STRONG

XLRI Jamshedpur also registered positive trends. The recruitment drive saw 105 companies participating in the process and making 336 offers to 303 students. "So far, we have received 55 pre-placement offers (PPOs) and 30 pre-placement interviews. We are looking strong to break the last year mark of 62 PPOs," says Rajiv Misra, chairperson, placements at XLRI. The top recruiters were Vodafone, Microsoft and ITC.



ILLUSTRATION: THINKSTOCK



Hindu ND 12/5/2013 P-11

# Panjab University overtakes IITs, JNU in ranking

Anita Joshua

**NEW DELHI:** Panjab University has overtaken the Indian Institutes of Technology (IITs) and Jawaharlal Nehru University (JNU) to become the highest-ranked educational institution of the country in the first-ever ranking of universities in BRICS and emerging economies.

The 131-year-old university, which happens to be the alma mater of Prime Minister Manmohan Singh, emerged 13th in the ranking carried out by *Times Higher Education* magazine. It shares this position with Renmin University of China.

Indian institutions account for 10 per cent of the list but do not make the cut for the top 10, which is comprised by varsities of China, South Africa, Taiwan, Turkey

and Russia. Besides the five BRICS countries, universities from 17 other emerging economies were ranked.

## Under embargo

With the rankings released to the press under strict embargo for publication well after midnight Indian Standard Time, Panjab University did not have an official reaction but its Vice-Chancellor Arun Kumar Grover told *The Hindu* that his institution has been a premier one even pre-Independence, when it was located in Lahore. Pleased with the ranking, Mr. Grover maintained that Panjab University had a lot of catching up to do to achieve the standards of the top-ranking Peking University.

## China leads the pack

According to a release

put out by *Times Higher Education*, China has emerged as the higher education superpower among BRICS economies with 23 institutions in the rankings compared to India's 10, South Africa's five, Brazil's four and Russia's two.

Nine Indian institutions find a spot among the top 50 ranks, with the IITs coming a distant second to Panjab University.

The six IITs that made it to the rankings are Kharagpur (30), Kanpur (34), Delhi (37), Roorkee (37), Guwahati (46) and Madras (47). IIT-Madras shares its position with Jadavpur University while Aligarh Muslim University stands at 50 and JNU at 57.

## 'India must aim higher'

In his analysis about India's performance, *Times Higher Education's*

rankings editor Phil Baty, said: "This is a strong showing for India: Only China and Taiwan have more universities in the top 100." While maintaining that it highlighted the nation's real strengths in competition with countries that offer fair comparisons, Mr. Baty admitted that a country of India's size, growing wealth and "immensely rich intellectual history" should aspire to more.

Mr. Baty also quoted from a recent report brought out by FICCI in collaboration with Ernst & Young on India's higher education, as per which the country could provide one in four of the world's graduates and possess more than 20 of its top 200 universities by 2030. "But this can only be achieved with the right financial support, leadership and strategy."

Hindustan Times ND 12/5/2013 P-10

# Panjab University, not IIT, is India's best varsity

**Vanita Srivastava**

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**NEW DELHI:** In a battle of academics it's not the globally famous IITs, but the lesser known Panjab University, that has emerged as India's top varsity.

The BRICS & Emerging Economies Rankings 2014 – the world's first ranking for universities in Brazil, Russia, India, China and South Africa,

plus 17 other emerging economies, released by the Times Higher Education on Wednesday places Panjab University at rank 13, ahead of six IITs – Kharagpur, Kanpur, Delhi, Roorkee, Guwahati and Madras.

India is the third strongest nation in the ranking, second only to China and Taiwan and its institutions make up 10 per cent of the list, including nine top 50 places.

Its representatives are led by Panjab University (joint 13th), the alma mater of Indian Prime Minister Manmohan Singh.

A total of 21 universities in India had taken part in the ranking. Sources confirmed that Delhi University and IIT Bombay had not taken part in the ranking.

No universities from Indonesia, the Philippines or Pakistan figure in the ranking.

## HOW THEY FARED

### Indian Universities in BRICS & Emerging Economies Rankings 2014

IIT Kharagpur	30th
IIT Kanpur	34th
IIT Delhi	37th
IIT Roorkee	37th
IIT Guwahati	46th
IIT Madras	47th
Jadavpur University	47th
Aligarh Muslim University	50th
JNU	57th

Tribune ND 12/5/2013 P-12

# No Indian varsity in top 10; China clear leader

**ADITI TANDON**  
TRIBUNE NEWS SERVICE

**NEW DELHI, DECEMBER 4**

In another setback for India's higher education sector, no domestic university has made it to the top 10 in the world's first ranking of 100 institutions in BRICS (Brazil, Russia, India, China and South Africa) nations and emerging economies. India has a whopping 600 varsities and 40,000 colleges.

India's highest placed institution in the 2014 rankings published today by Times Higher Education is Panjab University, Chandigarh, at number 13. It has beaten the specialist IITs to secure the topmost position among Indian institutions surveyed. Outstanding citations (references) of research papers produced by PU drove its ranking, primarily. So did the foreign student strength.

This is the second time Panjab University, the alma mater of Prime Minister Manmohan Singh, has saved the day for India by gaining a foothold on the global

## At no. 13, Panjab University pips IITs

- Placed at number 13 on the 100-institution list, Panjab University has beaten the specialist IITs to secure the top slot among Indian institutions surveyed
- Its citation score reflecting the value of its research is 84.7 while that of the next best Indian institution, IIT-Kharagpur, is 35.3!
- PU scores 29.3 on a scale of 100 on international repute as against IIT-Kharagpur's 14.7
- It's industry collaboration score is also good at 28.4 compared to zero for IIT-Kharagpur

education stage. In October, it was the sole Indian entrant to the 226-250 group rank in the World's 400 top Universities list published by Times Group, which draws on the world's largest academic reputation survey. Overall, China emerges the clear leader in the latest rankings bagging four positions in the top 10 and 23 in the top 100. India's second best in the list is IIT-Kharagpur (30) followed by IIT-Kanpur (34); IIT-Delhi and IIT-Roorkee (joint 37); IIT-Guwahati (46) and IIT-Madras (47).

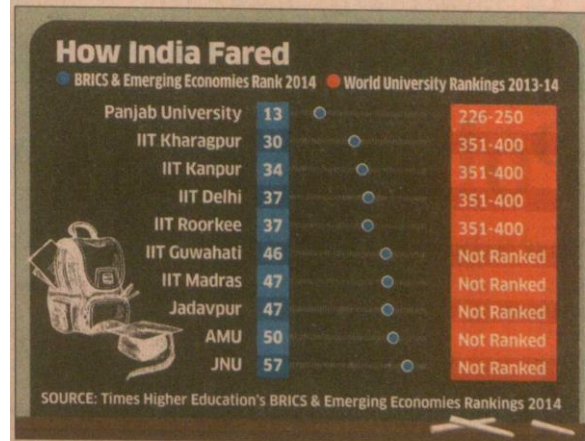
As against China, which has 23 institutions in the top 100, India has only 10, including Jadhavpur Uni-

versity ranked 47th. Surprisingly, Aligarh Muslim University has been ranked better at 50th position than Jawaharlal Nehru University at number 57.

Top two universities in the 22 surveyed nations are both Chinese -- Peking University and Tsinghua University.

If it was any consolation, India is the third best when it comes to the presence of universities in the top 100 list. While China emerges as the education superpower in the new survey with 23 institutions in the top 100, Taiwan is second with 21 and India third with 10. Five BRICs nations and 17 emerging economies were surveyed.

# 10 Indian Universities in List of Top 100 in BRICS Countries



**SREERADHA D BASU**  
KOLKATA

India has claimed 10 of the top 100 places in Times Higher Education's BRICS & Emerging Economies Rankings 2014 — the world's first ranking of universities in Brazil, Russia, India, China and South Africa, as well as 17 other emerging economies. In this much smaller, more level-playing field, with only 22 countries surveyed, India has predictably fared much better, with its highest-ranked institution Panjab University coming in at joint 13<sup>th</sup> place.

In sharp contrast, India had absolutely no representation in the top 200 of the Times Higher Education 2013-14 World University Rankings. Only five universities made it to the top 400, with Panjab University only making it to the group of universities ranked between 226<sup>th</sup> and 250<sup>th</sup> place.

In Times Higher Education's BRICS & Emerging Economies Rankings 2014, Indian institutions make up 10% of the list, including nine in the top 50 places. Panjab University, the alma mater of prime minister Manmohan Singh, leads the way, followed by the Indian Institutes of Technology (IITs) at Kharagpur (30<sup>th</sup>), Kanpur (34<sup>th</sup>), Delhi (37<sup>th</sup>), Roorkee (37<sup>th</sup>), Guwahati (46<sup>th</sup>) and Madras (47<sup>th</sup>). Jadavpur University, Aligarh Muslim University and Jawaharlal Nehru University are in the 47<sup>th</sup>, 50<sup>th</sup> and 57<sup>th</sup> spots, respectively.

China's Peking University and Tsinghua University take the top two spots in the overall rankings. University of Cape Town, South Africa, comes in at third place, followed by Taiwan's National Taiwan Univer-

sity and Turkey's Boğaziçi University in fourth and fifth places, respectively.

China emerges as the frontrunner in the rankings with 23 institutions in the table. Taiwan comes next in terms of maximum representatives on the list (21), followed by India with 10.

"This is a strong showing for India: only China and Taiwan have more universities in the top 100. This highlights the nation's real strengths in competition with countries that offer fair comparisons," said Phil Baty, editor of the Times Higher Education Rankings, in a statement.

He added, however, that a country of India's enormous size, growing wealth and rich intellectual history should aspire to more.

In a written response to ET, Baty said that the first step towards moving up in the rankings is to encourage a much better culture of data collection and sharing among India's universities.

"At this stage we have been working very much at the national, government level, to raise awareness of our data collection system... and we have seen a dramatic improvement in our engagement with individual institutions, which are now much more willing and ready to share data."

He added that from the data they already have, it is clear that Indian institutions across the board need to improve their research output — research quality needs to improve. "There are encouraging moves afoot to address this, especially increased funding and more strategically-focused funding," he said.

Publication: The Times Of India Delhi;Date: Dec 5, 2013;Section: Times Nation;Page: 11;

# India plans IT institute at univ in Cairo, says Khurshid

TIMES NEWS NETWORK

New Delhi: India on Wednesday discussed the situation in Syria and West Asia with Egypt's foreign minister Nabil Fahmy, who has chosen India as the destination of his first Aisa visit. The government said he had broad-ranging discussions with his counterpart Salman Khurshid.

The focus of the two-hour-long deliberations was to sustain the momentum in India-Egypt bilateral relations and to expand the interactions to wider areas of regional and international issues of interest, said government officials.

Khurshid informed his Egyptian counterpart of India's approval to establishing a Centre of Excellence in Information Technology at the AlAzhar University in Cairo.

The institute, which will be set up as project under the India-Africa Forum Summit is planned for completion in a year after the confirmation of infrastructure by the host institution. Once completed, it will train 500 students annually.

The Egyptian foreign minister also outlined the developments in Egypt and the roadmap ahead.

# Business Standard

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Press Trust of India | New Delhi December 04, 2013 Last Updated at 21:37 IST

## UGC regulations for approval of colleges offering tech educn

UGC has come out with draft regulations for approval of colleges offering technical education in wake of a Supreme Court ruling earlier this year.

The apex court had ruled that colleges affiliated to a university do not come under the purview of the definition of "technical institution" as defined in AICTE Act, 1987.

Hence, it has become imperative for the universities and UGC to evolve a suitable methodology to ensure that existing technical or engineering colleges affiliated to universities do not dilute standards of technical education imparted by them.

Under the draft regulations, every university shall maintain a list of unapproved colleges offering programmes in technical education based on the information received and verified by the university and shall also inform the UGC and general public about the same from time to time.

Besides, any college offering technical education and which has already started without following approval procedure shall be treated as unapproved college.

Colleges imparting courses in technical education in temporary location or at location not approved by the university shall be liable for action.

In case of such a withdrawal of approval to the college, operations of the said college and course shall not be started again before completion of two academic years from the date of such a withdrawal.

Dailybhaskar.com

## UGC announces replacing BA, BSc in 200 colleges with B Voc course



**New Delhi:** Days after contemplating over replacing conventional undergraduate courses like BA and BSc with Bachelor of Vocational Educational courses, the University Grants Commission (UGC) announced that the transformation will become a reality soon. The UGC also added that it will take at least 10 years for Bachelor of Vocational courses to be implemented.

B Voc course would be introduced in about 200 colleges - 100 each in polytechnic and Arts Colleges - from the next academic year, he said, adding many more need-based vocational courses would be introduced gradually.

UGC vice-chairman H Devaraj said that UGC would allocate Rs 25,000 crore to private institutions under Rashtriya Uchatar Shiksha Abhiyan from the total of Rs 50,000 crore allotted under 12th plan.

Colleges would receive funds based purely on their performance, some indicators of which would be faculty availability, their qualification, research done by them, infrastructure and student strength.

Educational institutions need more accountability to elevate India to greater heights, he said and pointed out that even countries like the US and the UK do not spend as much as India for higher education.

*This page printed from: <http://daily.bhaskar.com/article/DEL-delhi-education-news-ugc-announces-replacing-ba-bsc-in-200-colleges-with-b-voc-c-4453470-NOR.html?seq=1>*

Publication: The Times Of India Delhi; Date: Dec 5, 2013; Section: Times Nation; Page: 11

# K'taka creates ₹20cr corpus to fund innovative ideas

Times News Network

Bangalore: The Karnataka government has created a fund of Rs 20 crore to provide grants of \$30,000 (Rs 18 lakh) each to innovative ideas.

The first of these grants has been made to biotech researcher and entrepreneur Ezhil Subbian, whose startup string is working to make plastics biodegradable. The state government's initiative is in collaboration with three universities in California and TiE (The Indus Entrepreneurs) Silicon Valley chapter, and is part of the San Francisco-Bangalore Sister City Initiative.

Kumar Malavalli, one of the richest Indians in the US and who is closely associated with the initiative, said the California organizations would vet the ideas and recommend to the Karnataka



**Kumar Malavalli, one of the richest Indians in the US and who is closely associated with the initiative, said the California universities would vet the ideas and give recommendations**

government those they think should be given the grant. Malavalli, who grew up in Mysore and Bangalore, was in the city as part of a large delegation from San Francisco that included its Mayor.

Malavalli said the funded startup would have the obligation to establish operations in Karnataka. "The funding will be at the idea stage, and we expect the entrepreneurs to use the funds to validate the idea and come up with a business plan. The idea has to be disruptive, scalable and sustainable,

and must seek to solve real-life problems," he said. The three California universities – of Berkeley, Santa Cruz and San Francisco – will vet biotech proposals, and TiE Silicon Valley will vet all ideas. TiE SV will also offer space free of cost in California for these startups to operate out of for some time. "TiE SV has just created a venture fund of \$20 million called LaunchPad. Those who receive the grant can later apply. But this fund will also serve those who are not part of the initiative," Malavalli said.



Hindustan Times ND 12/5/2013 P-10

# IIT boy named Google student ambassador

**Nida Khan**

■ [letters@hindustantimes.com](mailto:letters@hindustantimes.com)

**INDORE:** Ashok Pancilly, a final year student of BTech at Indian Institute of Technology-Indore, has been named as the best Google student ambassador from India by the internet giant.

He outperformed 123 Google student ambassadors in the country and was among the 1,000 Google student ambassadors from 65 countries chosen by the company to act as liaisons between the company and their institutions.

According to Google, these ambassadors will learn about innovative Google products and programmes, plan and host fun events on campuses, act as a campus contact for Google teams and help Google better understand

each institution's culture.

Pancilly had formed a Google student club to popularise the application. Outsmarting the ambassadors from several institutions of the country, Pancilly's performance was weighed on the dynamics of quantity and quality contribution made by the ambassadors.

"Our performance was rated on the basis of the number of events we had organised, how successful they had been and the amount of interest they generated," he said.

Pancilly told HT, "After being chosen as Google student ambassadors, we had a three-day summit at Goa, where we interacted and basically got to know the culture of Google. It was fun and interesting to interact with around 123 ambassadors from across the country."

# Data analytics jobs big draw among IITians

Techies increasingly opt for the sector as it offers better pay, promising career growth

KALPANA PATHAK  
Mumbai, 4 December

First it was information technology (IT), then finance, and now it is big data which is the current favourite sector for most Indian Institute of Technology (IIT) graduates.

Given better pay and promising career growth prospects, IITs have seen a good number of engineers opting for a career in data analytics during placements.

Big data refers to using maths and technology to arrive at behavioural sciences and design thinking. Companies process bytes of information sought from sensors and social networks.

This information is used to seek insights into customer behaviour, marketing, risk and supply chain, among other areas. Analytics, say industry players, is the next big business segment.

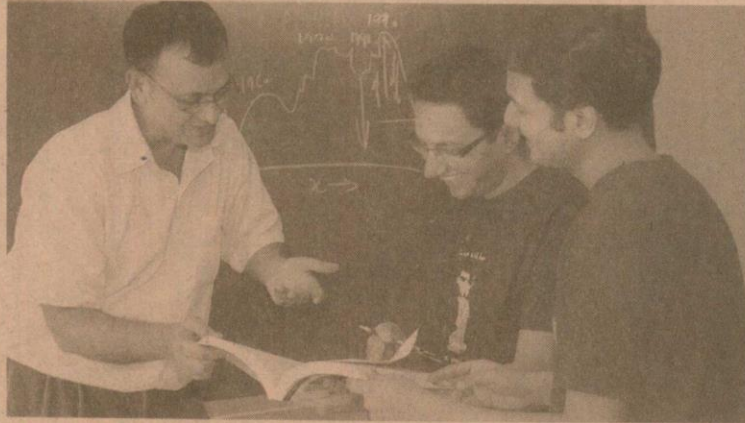
Companies across sectors — IT, retail, fast-moving consumer goods (FMCG) and consulting — are looking at big data to gain competitive advantage. Firms, including Tata Consultancy Services, Genpact, Nu Sigma, Barclays Bank, Morgan Stanley, Boston Consulting Group, Bank of America Merrill Lynch and Goldman Sachs are recruiting engineering students to do the math for them.

"More and more IITians are moving towards data analytics. It is the slowdown in engineering, fatigue with software in profile that are attributed to this changing trend," says Atul Kumar, director and co-founder of EduPristine, a training provider for international certifications and finance courses in India.

"With data volumes exploding, the profile of data analytics has become central to many companies. They need more and more engineers to work for them in this segment given that data analytics involve writing codes, number crunching and logical thinking, which comes naturally to engineers," says Kumar.

Spending on big data by companies, say industry players, is expected to grow to around \$34 billion in 2020 from \$4 billion in 2011.

Little wonder then that this week Apple acquired social media search and



A NEW TREND Slowdown in engineering, fatigue with software and faster growth in data analytics profile are reasons for the shift

analytics start-up Topsy, and in May this year, software exporter Wipro invested \$30 million for a minority stake in Opera Solutions, New Jersey's big data analytics firm. Japanese conglomerate Hitachi on the other hand is betting huge on big data analytics for its growth and sees its Asia-Pacific region increasing revenue by 25 per cent or more with its usage.

And, with a data analytics profile paying salaries of over 50 per cent than any other profile, it has become attractive for students.

**IIT-Bombay, in its placement report of 2013, said a variety of profiles were opened up in the sectors, as these companies have begun to appreciate the analytical and quantitative analysis capability of the students**

"In other sectors like IT and Software, joining salaries have remained more or less the same with an increase of ₹50,000 per annum, may be. But data analytics offers at least a 40-50 per cent higher joining salaries to students. This makes it attractive for them," said a placement official from IIT-Ropar, Punjab.

IIT-Ropar has seen a lot of interest in data analytics from its students this placement season.

At IIT-Bombay, 27 companies made 94 offers in analytics; 26 consulting firms made 124 offers and 78 offers from 19 companies in finance sector, last year.

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## CRACKING DATA

- Big data refers to using maths and technology to arrive at behavioural sciences and design thinking process. Companies process bytes of information sought from sensors and social networks
- This information is used to seek insights into customer behaviour, marketing, risk and supply chain among other areas.
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dents. "A couple of years ago, companies were not offering positions in analytics. But more and more offers are coming our way and students are lapping them up," said a placement official at IIT-Bombay.

IIT-Delhi had placed 5 per cent of its batch size last year in analytics.

Placements on IIT campuses for 2014 are still on.

# प्लेसमेंट के ग्रुप डिस्कशन में सफल न होने से क्षुब्ध था छात्र आईआईटी का छात्र लापता

एजेंसी

कानपुर। प्लेसमेंट कंपनियों द्वारा नौकरी के सेलेक्शन के ग्रुप डिस्कशन में सफल न हो पाने से क्षुब्ध और निराश एक एमटेक द्वितीय वर्ष का छात्र आईआईटी कानपुर के अपने छात्रावास से लापता हो गया है। छात्र बिहार का रहने वाला था।

पुलिस ने इस संबंध में आईआईटी प्रशासन के कहने पर गुमशुदगी की रिपोर्ट दर्ज कर ली है और छात्र को ढूँढने के लिए एक पुलिस टीम का गठन किया है। कल्याणपुर पुलिस स्टेशन के क्षेत्राधिकारी जितेन्द्र श्रीवास्तव ने बुधवार को बताया कि आईआईटी प्रशासन ने लापता छात्र नवीन कुमार झा के लापता की रिपोर्ट पुलिस स्टेशन में दर्ज कराई थी। इसलिए छात्र की गुमशुदगी की रिपोर्ट दर्ज कर ली गई

है। आईआईटी के डीन (स्टूडेंट वेलफेयर) प्रो एके घोष ने बुधवार को बताया कि पटना के सुपौल के एकमा गांव का रहने वाला नवीन कुमार झा इंडस्ट्रियल मैनेजमेंट में एमटेक द्वितीय वर्ष का छात्र था।

रविवार से आईआईटी में प्लेसमेंट एजेंसियां छात्रों को नौकरी का आफर दे रही है सोमवार को नवीन भी एक कंपनी के 'ग्रुप डिस्कशन' में शामिल हुआ था, लेकिन वह सफल नहीं हो पाया था। उन्होंने बताया कि अभी तक उसके इंडस्ट्रियल मैनेजमेंट विषय का प्लेसमेंट शुरू नहीं हुआ था। इसलिए उसके निराश और हिम्मत हार जाने की बात समझ में नहीं आ रही है।

उन्होंने बताया कि उसके साथी दोस्तों ने बताया कि वह 'ग्रुप डिस्कशन' में सफल न होने के कारण काफी निराश था और कमरे पर आ गया



था। उन्होंने बताया कि बाद में सोमवार रात वाइंन जब राउंड पर निकले तो नवीन के कमरे का दरवाजा खुला था और उसके बिस्तर पर मोबाइल, लैपटॉप व एटीएम कार्ड रखा था। उन्होंने सोचा कि वह कहीं घूमने चला गया होगा। घोष के अनुसार, मंगलवार सुबह भी जब नवीन कमरे पर नहीं पहुंचा तो

उन्होंने उसके दोस्तों से पूछताछ की तो पता चला कि वह ग्रुप डिस्कशन में नाकाम रहने के बाद से काफी उदास और निराश था और किसी से कोई बात नहीं कर रहा था।

आईआईटी के डीन के मुताबिक आईआईटी प्रशासन का यह मानना है कि वह निराशा में कहीं चला गया है क्योंकि अभी उसके विषय इंडस्ट्रियल मैनेजमेंट के प्लेसमेंट का साक्षात्कार शुरू ही नहीं हुए है। इसके बावजूद कल रात हमने कल्याणपुर पुलिस स्टेशन को सूचित कर दिया और गुमशुदगी की रिपोर्ट लिखा दी तथा बिहार में उसके परिजनों को सूचित कर दिया है और नवीन के भाई ने सूचित किया है कि वह बुधवार शाम तक आईआईटी पहुंच जायेंगे। घोष को उम्मीद है कि नवीन जल्द ही वापस आ जाएगा क्योंकि उसके दोस्त और सहपाठी भी उसके

जानने वालों के यहां उसे तलाश कर रहे हैं।

क्षेत्राधिकारी जितेन्द्र श्रीवास्तव ने आज बताया कि आईआईटी प्रशासन ने लापता छात्र नवीन कुमार झा के लापता होने की खबर कल्याणपुर पुलिस स्टेशन में दर्ज कराई थी। इस लिए छात्र की गुमशुदगी की रिपोर्ट दर्ज कर ली गई है और छात्र की तलाश के लिए एक पुलिस टीम बना दी गई है, जिसने उसके सामान की भी तलाशी ली लेकिन उसमें कुछ भी न निकला। यह पुलिस टीम छात्र नवीन की तलाश में उसके गांव बिहार के सुपौल के एकमा गांव भी जा सकती है। उनसे पूछ गया कि आप छात्र के निराशा में आत्महत्या कर लेने के पहलु पर भी जांच कर रहे हैं तो उन्होंने कहा कि पुलिस सभी पहलुओं पर जांच कर रही है। ■

# China set for Moon landing

A technological feat so far achieved only by the Soviet Union and the U.S.

N. GOPAL RAJ

**T**owards the middle of this month, China intends to achieve a major landmark in space exploration with its recently-launched Chang'e-3 mission — to make a soft landing on the Moon, a technological capability that has thus far been demonstrated only by the Soviet Union and the United States.

After getting into orbit around the Moon, the Chang'e-3's lander is to carry out a carefully controlled descent and touchdown on the Sinus Iridum (Latin for 'Bay of Rainbows'), a flat lava-filled lunar crater. A six-wheeled rover will then roll down from the lander and set off across the lunar surface.

Influential Chinese scientists began urging their Government to undertake a programme of lunar exploration in the early 1990s. But the Communist Party's Central Committee finally gave the go-ahead only a decade later, in January 2004.

China's current lunar programme involves three stages — orbiting the Moon, landing on its surface and, finally, bringing back lunar samples.

In 2007, a year before India launched its Chandrayaan-1 lunar probe, China sent the Chang'e-1 spacecraft to image and study the Moon from orbit.

Three years later, the Chang'e-2 was despatched, which too orbited the Moon and took high-resolution images that helped choose the landing site for its successor.

After the spacecraft's primary mission was completed, its controllers sent it about 1.5 million km from Earth. Thereafter, it conducted a fly-by of the asteroid Toutatis about seven million km from Earth. The Chang'e-2 was currently about 60 million km away and would travel to a distance of 300 million km, according to a senior Chinese official quoted in a Xinhua news agency report.

The Chang'e-3's lander, which is now on its way to the Moon, will use a liquid propellant engine, with variable thrust, to slow the spacecraft



**MISSION OBJECTIVES:** China's current lunar programme involves orbiting the Moon, landing on its surface and bringing back lunar samples. — PHOTO: AFP

as it descends to the lunar surface. The lander has been provided with an autonomous capability to hover above the lunar surface, check for obstacles below and, if necessary, to move away from them before touching down, according to a paper published by Chinese space scientists.

"Autonomous hazard avoidance is a capability that NASA has tested on Earth, but has not yet flown on any lander spacecraft," commented Dwayne Day, an American space historian and analyst, in an article in *The Space Review*, an online publication.

Apart from transporting the rover, the lander is carrying a near-ultraviolet telescope for astronomical observations as well as an extreme ultraviolet camera to observe a region of charged particles around Earth.

The 140-kg rover has a robotic arm that can analyse the chemical composition of lunar rocks and soil. It also car-

ries a ground-penetrating radar to provide information about the Moon's crust.

Both the lander and rover are equipped with radioisotope heating units, containing radioactive plutonium-238, to keep them warm during the long lunar nights when temperatures can plunge to -150 degrees Celsius. This will be another important first for China as radioisotope-based systems to produce electricity and for heating spacecraft are widely used in deep space missions.

This mission will be followed by another lander-rover effort, the Chang'e-4. Then, with the Chang'e-5 currently scheduled for 2017, China will attempt to bring back lunar rock and soil samples.

Given China's steady progress in manned space, many believe that its next step will be to land astronauts on the Moon. Indeed, Ouyang Ziyuan of the Chinese Academy of Sciences, who played a key

role in promoting lunar exploration, has been quoted as saying that manned missions would follow.

"I do not believe China has made a decision on a human lunar mission," observed Gregory Kulacki, China project manager and senior analyst at the Union of Concerned Scientists, a U.S.-based nonprofit science advocacy group.

China's space station was the terminal goal of its current manned spaceflight programme, and would keep its space planners occupied for more than a decade, he pointed out in an email. There were also some doubts emerging about the value of the human programme relative to other emerging space priorities.

Besides, "China appears to prefer an international, collaborative effort when discussing possible human lunar missions, rather than going alone," remarked Dr. Kulacki, who has written extensively about its space programme.

## IISc. initiates measures to recharge borewells on campus

Staff Correspondent

Director of the Indian Institute of Science (IISc.) P. Balram has said that measures would be taken to recharge borewells and other water sources on the Nayakanahatti campus, by constructing a tank costing Rs. 5 crore.

Speaking after laying the foundation stone for the construction of the tank here on Wednesday, he said the people of the region were facing shortage of water because of scanty rainfall and depleting groundwater table.

The major sources of Ajjayyana Kere would be rejuvenated, he said. Meanwhile, the IISc. has been holding training programmes for teachers of government schools, in order to improve their skills. There are plans to open a full-fledged skill development centre on the campus by spending Rs. 20 crore, he said.

Land for the centre has been identified and teachers attending the training programme would be provided with all necessary facilities, including free food and accommodation, he added.

IISc. special officer H.S. Jagadish said work on the solar power generation unit has already been taken up by the centre at a cost of Rs. 10 crore, and the officers concerned were working to ensure that the project was completed at the earliest.

IISc. Khudapur in-charge B.N. Raghu Nandan said measures would be taken to construct a main entrance for the campus by spending Rs. 1.5 crore.

The entrance would resemble the main gate of the historical Chitradurga fort, he said.

Deputy Commissioner V.P. Ikkeri, Zilla Panchayat Chief Executive Officer K.M. Narayanswamy, training centre in-charge M.S. Hegade and Chief Engineer of the Upper Bhadra Project R. Cheluvraj were present.

Printable version | Dec 5, 2013 12:08:04 PM | <http://www.thehindu.com/todays-paper/tp-national/tp-karnataka/iisc-initiates-measures-to-recharge-borewells-on-campus/article5423744.ece>

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Economic Times

## India must develop ability to forecast disasters: Anil Kakodkar

PTI Dec 3, 2013, 10.36PM IST

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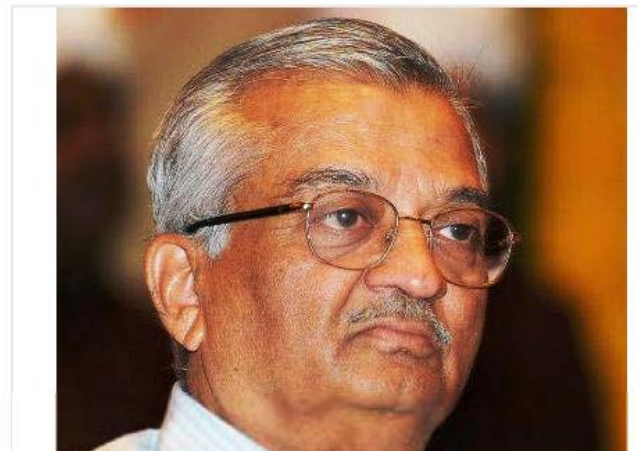
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[Anil Kakodkar](#)

RAIPUR: Former Chairman of the [Atomic Energy Commission](#) [Anil Kakodkar](#) said here today that India must develop the ability to pick up early warning signals of disasters.

He was speaking at a two-day International Conference on Humanitarian Logistics 2013 organised here by [IIM-Raipur](#).

He praised efforts that led to the progress made in the last five to six years, while emphasising how India still had miles to go in mastering disaster management.



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## Innovation is key to affordable healthcare in India: Experts

Sumitra Deb Roy,TNN | Dec 4, 2013, 09:15 PM IST

MUMBAI: The Asian Heart Institute in Bandra played host to Prof Anil Gupta of IIM Ahmedabad, also executive vice chair National Innovation Council, a man who by his own admission has walked over 6,000 km across the country in search of innovative ideas.

Dr Ramkant Panda, vice chairman of AHI, said that late ophthalmologist Dr Govindappa Venkataswamy, an innovator par excellence, who made lenses available for two dollars, was his person hero. Venkataswamy not only re-organized how cataract surgeries are done, by training a team of paramedicals to do 70% of the work required in each surgery, but also by producing their own low-cost intra-ocular lenses and other ophthalmic supplies to make eye-care affordable. Pfizer organised the programme and had invited about 50 healthcare professionals to attend the event at Asian Heart Institute.

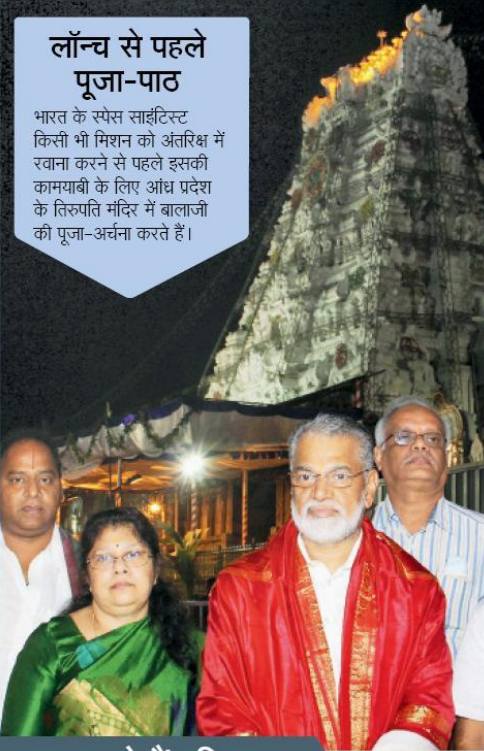
Professor Gupta shared that there are many more heroes all over the length and breadth of the country. There are many unrecognized innovations as well. "The cost of keeping order in a fractured and fragmented society often is far more than the cost of generating inclusive, innovative solutions. And yet, both the state and the market and sometimes even civil society become complicit in this persistent neglect. Grassroots innovators try to solve some of these problems through their own genius, though not always optimally. There are times when they struggle for a decade or more to find a manageable solution," he said.

Gupta said that in the healthcare space, the journey from concrete to abstract is difficult-problem to solution - is difficult. "So we need to become better aware of what doctors are doing. The triggers for innovation will come from benchmarking unmet needs. We need open source solutions, so there are spin offs as well as spin ins," he said. He applauded several people like a certain Dr Bhave from Pune, who has developed low-cost needles for treating spinal injuries. He also spoke of Dr Mahesh Kolte from Thane whose innovation for the hearing impaired - a hearing aid that recognizes speech signals and makes speech more audible as compared to other sounds, has been well accepted.

# ...लेकिन मन में है 'विश्वास'

## लॉन्च से पहले पूजा-पाठ

भारत के स्पेस साइंटिस्ट किसी भी मिशन को अंतरिक्ष में रवाना करने से पहले इसकी कामयाबी के लिए आंध्र प्रदेश के तिरुपति मंदिर में बालाजी की पूजा-अर्चना करते हैं।



## क्या करते हैं रशियन अंतरिक्ष यात्री

इसरो के एक साइंटिस्ट ने एक इंटरव्यू के दौरान बड़ी दिलचस्प बात बताई। उनका कहना था कि रूस के स्पेस साइंटिस्ट्स जब किसी मिशन को स्पेस में रवाना करने के

कहते हैं जहां ज्ञान-विज्ञान नहीं होता है, वहां अंधविश्वास पनपता है। आज साइंस पूरी तरक्की पर है, हम अंतरिक्ष की खाक छान रहे हैं। लेकिन, कुछ मान्यताएं हैं जिनको लेकर मन में अटूट भरोसा होता है। आम लोगों की बात छोड़ दें, खुद साइंटिस्ट्स भी खुद को इन मान्यताओं से दूर नहीं रख पाते। हाल ही में जब हमारे देश ने मंगलयान को रवाना किया तो इसरो साइंटिस्ट्स ने पहले बाकायदा पूजा-अर्चना की। भारत रत्न के लिए चुने गए वैज्ञानिक डॉ. सीएनआर राव ने इसे अंधविश्वास करार दिया है। वैसे सिर्फ हमारे देश में ही नहीं, विदेशों में भी वैज्ञानिक अपनी मान्यताओं का पूरा ध्यान रखते हैं। आइए डालते हैं एक नजर :



■ अमेरिका के स्पेस साइंटिस्ट्स पूजा तो नहीं करते, लेकिन अपने मिशन को कामयाब बनाने के लिए वे लॉन्चिंग से पहले मूंगफली खाते हैं।  
■ एक मान्यता है कि 13 नंबर अशुभ होता है। यही वजह है कि इसरो ने अपना रॉकेट पीएसएलवी-सी12 भेजने के बाद 13 नंबर को जंप करते हुए सीधे पीएसएलवी-सी13 भेजा। इसरो के एक साइंटिस्ट ने ये तो माना कि पीएसएलवी-सी13 नामक कोई रॉकेट नहीं है। हालांकि उन्होंने इससे इनकार कर दिया कि वे 13 नंबर को अनलकी मानते हैं।

## ...ताकि मार सकें मैदान

■ सचिन तेंडुलकर बैटिंग करने के लिए जाने से पहले हमेशा अपना बार्बा पैड पहले बांधते थे।  
■ युवराज सिंह 12 दिसंबर को पैदा होने की वजह से 12 नंबर की जर्सी को 'लकी' समझते हैं।  
■ महेंद्र सिंह धोनी भी 7 जुलाई को पैदा होने से अपने लिए 7 नंबर की जर्सी को 'लकी' मानते हैं।  
■ पूर्व भारतीय कैप्टन सौरभ गांगुली अपनी जेब में अपने 'आध्यात्मिक गुरु' की फोटो रखते थे।  
■ वीरेंद्र सहवाग लाल रूमाल रखते हैं और न्यूमेरोलॉजिस्ट की सलाह के बाद बगैर नंबर की जर्सी पहनते हैं।  
■ भारतीय टॉप ऑर्डर बैट्समैन विराट कोहली अपनी बाईं कलाई में हमेशा काला बैंड बांधकर खेलते हैं।  
■ भारतीय पेसर जहीर खान अपने हरेक अहम मुकाबले में पीला रूमाल लेकर खेलने उतरते हैं।  
■ स्टीव वॉ बार्बा जेब में लाल रूमाल रखते थे, जो उनके दादा ने दिया था।



## नील्स बॉर की कहानी

नोबल पुरस्कार से नवाजे गए अमेरिकी भौतिक विज्ञानी नील्स बोर के बारे में एक चर्चित किस्सा है- एक बार एक अमेरिकी वैज्ञानिक नील्स बोर से मिलने कोपेनहेगन स्थित उनके घर गया। वहां उसने देखा कि उनकी मेज के पास दीवार पर छोड़े की नाल टंगी हुई है। इस पर वैज्ञानिक ने नील्स से पूछा कि सर, आप ऐसी चीजों पर यकीन करते हैं। इस पर उन्होंने कहा कि नहीं, मैं इन चीजों को बिलकुल नहीं मानता, लेकिन मेरे एक दोस्त का कहना है कि आप चाहे इस पर विश्वास करें या न करें, छोड़े की नाल से गुडलक आता ही आता है। नील्स ने कहा अब, मैं इस लॉजिक का क्या जवाब देता?



लिए लॉन्च सेंटर के लिए निकलते हैं तो वे अपनी ट्रांसफर बस के दाएं ओर के पिछले चक्के पर यूरिन पास करते हैं। यही नहीं, इसरो के ही एक रिटायर्ड साइंटिस्ट्स ने बताया

कि इसरो के एक प्रोजेक्ट डायरेक्टर किसी नए रॉकेट की लॉन्चिंग के दिन नई शर्ट पहनकर आते थे। उनका मानना है कि इससे लॉन्चिंग कामयाब रहेगी। (एनबीटी)