

## Newspaper Clips July 10, 2014

Amar Ujala ND 10/07/2014

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# जेईई-मेन की काउंसलिंग शुरू

नोएडा (ब्यूरो)। ज्वाइंट एंट्रेंस एग्जाम (जेईई-मेन) की ऑल इंडिया रैंक जारी होने के बाद काउंसलिंग प्रक्रिया शुरू हो गई है। रजिस्ट्रेशन प्रक्रिया के साथ-साथ च्वॉइस फिलिंग 10 जुलाई से शुरू कर दी गई है। देश की 30 एनआईटी समेत कुल 58 सरकारी इंजीनियरिंग कॉलेज और 33 अन्य प्राइवेट यूनिवर्सिटी की सीटें भी इसी प्रक्रिया के तहत भरी जाएंगी। साथ ही जिले की तीन यूनिवर्सिटी में भी दाखिले का मौका मिलेगा।

दरअसल, जेईई-मेन की स्पॉट काउंसलिंग के जरिये निजी संस्थानों में दाखिला होगा। इसके लिए नोएडा की एक और ग्रेटर नोएडा की दो प्राइवेट यूनिवर्सिटी में छात्र दाखिला ले सकते हैं। 2 से 5 अगस्त तक रजिस्ट्रेशन और च्वॉइस फिलिंग होगी, जिसके आधार पर सीट अलॉटमेंट के नतीजे 8 अगस्त को घोषित किए जाएंगे। छात्रों के दाखिले 12 अगस्त तक होंगे।

## Smriti Irani positive for IIM in Pune - Shirole

Wednesday, 9 July 2014 - 6:55am IST | Place: Pune | Agency: DNA

Union Minister for Human Resource Development Smriti Irani has said that the establishment of Indian Institute of Management in Pune would add to the reputation of city of Pune which has educational infrastructure.

Pune Lok Sabha MP Anil Shirole on Monday called on Irani and demanded granting an IMM to city of Pune. Shirole has been following up the demand for IIM in Pune and has pleaded the case since his election as Pune MP. He has followed up the issue with Union Minister of state for Information and Broadcasting Prakash Javadekar since Javadekar hails from Pune. Shirole also has approached Union Minister Nitin Gadkari and Finance Minister Arun Jaitley with this demand. Shirole met Irani on Monday with this demand.

According to a press release issued by city unit of BJP, Irani gave a positive response to Shirole's demand. Irani recalled her recent Pune visit and function she attended along with President Pranab Mukherjee in addition to her visit to Symbiosis campus. Irani has said that IIM in Pune would add to Pune's reputation as an educational center since Pune has required infrastructure as well as experts available.

## Seats up for grabs, but no takers for IITs

TNN | Jul 10, 2014, 01.47 AM IST

**KOLKATA:** In 2007, the Centre had decided to double the number of IIT seats to accommodate more students. Eight years down the line, that mission has been accomplished but has the real purpose been solved? Or has the government compromised with quality and diluted the IIT brand name?

A reality check reveals that though the number of seats has increased to around 9,700 ? from 4,500 ? in all these years, there have been no takers for them. When the first round of counselling got over earlier this month for admission to IITs, as many as 650 seats remained untouched across IITs. This forced the exalted institutions to go for a second round of counselling. But till Wednesday evening, more than 400 seats were still up for grabs. The second round gets over on Thursday. Though officials claimed that "there is still a whole day to go," things are unlikely to improve much in the next 24 hours. It seems the IITs will have to go for a third round of counselling.

While IITs Powai (Mumbai), Delhi and Kanpur, which are considered to be the "better" ones in the chain, have managed to finish marginally better till Wednesday evening, ISM-Dhanbad, IIT-BHU (Varanasi), IIT-Kharagpur and IIT-Roorkee have fared badly this year.

Surprisingly, IIT-Kharagpur, the oldest and largest in the chain and one which has quite a good standing with tech schools abroad, had 70 seats vacant till Wednesday. The worst affected institutions, IITs BHU and Dhanbad had each over 100 seats left while Roorkee had 50 seats to go.

"There is a heavy rush for subjects like computer science and electronics, telecommunications, mechanical engineering, chemical engineering, civil and biotechnology. These courses get filled up very fast, leaving a vast sea of students who are left with no choice but to take admission in other departments. Unfortunately there are some departments that are not finding favour with students," explained MK Panigrahi, IIT-JEE chairperson. Some such departments are agro-engineering, ocean engineering and naval architecture.

"The courses are updated to suit world standards, but the question is about market demand for such courses, which get reflected in placement statistics. Linking of courses with the market and institutional efforts to get students of departments that are not readily opted for by students into related industries or government sponsored projects are some ways out but nothing can happen overnight," he explained.

A senior faculty member at IIT-Kharagpur added: "Better students will opt out of IITs if they do not get the subject of their choice. There are many who would study a science subject in a good institution of their choice for a year and then sit for IIT-JEE again next year to improve their rank." At present, most students opt for a subject not for the love of it but because they want to embark on a career. The union ministry of human resources development should have known this before planning to increase the number of IITs and increase seats in existing ones, he added.

Establishment of national-level institutions that offer pure and applied science and accept students from the IIT-JEE merit list has also come up as an option to students who do not get their preferred streams in the IITs. Some of these are Rajiv Gandhi Petroleum Institute at Rae Bareilly, Indian Institute of Space Science Technology, the IISERs and IISc.

"There was a time when having brand IIT behind your name served the purpose, but now it is the subject that matters along with the brand," said Soumyojit Poddar, who failed to get computer science engineering at top IITs and has decided to study Physics at IISER, Chandigarh.

## 84 pvt varsities face infrastructure, faculty problems: Govt

Press Trust of India | New Delhi July 9, 2014 Last Updated at 20:52 IST

Expert committees which visited about 84 private universities across the country have pointed out deficiencies in the infrastructure and availability of qualified faculty, the government said today.

"The UGC visiting expert committees and [AICTE](#) expert committees have pointed out some deficiencies in the infrastructure and availability of qualified faculty," [HRD Minister](#) Smriti Irani informed the Lok Sabha.

In a written reply, she said of the total of 184 private universities set up through state legislations, 127 were set up in the last five years alone.

She also informed that during the last three years, 242 private institutions were ordered to be closed down by AICTE for various reasons such as less demand from rural areas for admission and less demand for certain branches of engineering.

In a separate reply, the Minister said that in the coming three years, Government is planning to start 222 polytechnics under the sub-mission on polytechnics scheme.

With this, there will be additional enrollment of 1,19,880 students in polytechnic system of the country.

States which would be benefited from this are Arunachal Pradesh, Bihar, Assam, Chhattisgarh, Madhya Pradesh, Uttar Pradesh and Nagaland, the Minister said.

10 Jul 2014 Hindustan Times (Mumbai) - Arundhati Chatterjee

## IIT Bombay's annual fest's theme unveiled

In its 43rd year, IIT Bombay's Mood Indigo (Mood I) will celebrate everything retro. The theme this year, A Vintage Affair, will be splashed across the campus in the form of recurrent motifs. "Interactive vintage phone booths and gramophones are some of the elements to spot at the festival. The campus will have hundreds of vintage umbrellas hanging from the ceiling of all major venues," says Rachil Maliwal, ambience head, Mood I.



*The organising committee of the festival*

*The organising*

In store this year

**VINTAGE EXHIBITIONS:** A car show featuring old Rolls Royce and Bentley models promises to leave every auto enthusiast drooling.

**TYPEWRITER RACE:** The live typewriter race will challenge the participants to type without an option of erasing the text, once written.

**VINTAGE PHONE BOOTHS:** Red phone booths will be connected by intercom, enabling visitors to interact with each other within the campus.

**MI TALKIES:** A fusion of movies like Avatar (2009) and Gravity (2013) will be played on vintage reels on open air screens.

# GATE 2015: Online applications available from September 1

<http://www.jagranjosh.com/articles/gate-2015-online-applications-available-from-september-1-1404897823-1>

## GATE 2015: Online applications available from September 1:

The application process for GATE 2015 shall start on September 1, 2014. Interested candidates can only apply online, through the zonal GATE websites of IISc or any of the seven IITs. GATE is conducted jointly by the Indian Institute of Science and seven Indian Institutes of Technology (IIT Bombay, IIT Delhi, IIT Guwahati, IIT Kanpur, IIT Kharagpur, IIT Madras and IIT Roorkee) for admissions to Post Graduate programmes in various engineering and science disciplines in the country.

The GATE 2015 score will be valid for a period of three years from the date of announcement of results. All the papers in GATE 2015 will be held in online mode only and few of the exams will be conducted in multiple sessions. GATE score is not only for getting admissions in various Post graduate Programmes such as Direct Ph D, M.Tech, ME etc but it is also helpful in screening purpose for the employment in public sector units. This score is also used to get financial assistance provided by MHRD and other Government agencies.

## Eligibility Criteria:

- The candidate should possess a Bachelor's degree in Engineering/ Technology/Architecture (4 years after 10 +2/Post-Diploma). Those who are in the final year of such programs can also apply for GATE.
- The candidate in the final year of the Four-year Bachelor's degree program in Science (B.S.).
- The candidate should possess a Master's degree in any branch of Science/ Mathematics/ Statistics/ Computer Applications or equivalent. Those who are in the final year of such programs can also apply for GATE.
- Candidate in the second or higher year of the Four-year Integrated Master's degree program (Post-B.Sc.) in Engineering/Technology can also apply for GATE.
- Candidate should be in the fourth or higher year of Five-year Integrated Master's degree program or Dual Degree program in Engineering/Technology.
- Candidate should be in the final year of Five-year integrated M.Sc. or Five year integrated B.Sc./ M.Sc. program.
- The candidate with qualifications obtained through examinations conducted by professional societies recognized by UPSC/AICTE (e.g. AMIE by IE (I), AMICE (I) by the Institute of Civil Engineers (India)-ICE (I)) as equivalent to B.E./B.Tech. Those who have completed section A or equivalent of such professional courses are also eligible for GATE.

## Important dates:

ACTIVITY	DATE
Start of application process:	September 1, 2014
Last date for submission of online application:	October 1, 2014
Last date for request for change in the choice of examination city:	November 21, 2014
Availability of admit card:	December 17, 2014
GATE 2015 online examination:	January 31, 2015 to February 14, 2015
Announcement of results:	March 12, 2015

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## Russia tests 1st new space rocket since Soviet era

**Moscow:** Russia test launched its first new design of space rocket since the Soviet era on Wednesday, Russian news agencies quoted a source at the country's northern Plesetsk cosmodrome as saying. "The launch has taken place," the source was cited by Interfax as saying of the new generation Angara rocket.

The high-profile debut of the Angara-1.2PP test rocket was aborted in the final countdown on June 27. More than two decades in the works, the new generation Angara rockets are a key to Putin's effort to reform a once-pioneering space industry hobbled after years of budget cuts and a brain drain in the 1990s.

The rocket is the first entirely designed and built within post-Soviet Russia's borders — ordered by then President Boris Yeltsin in the 1990s to break dependence on other ex-Soviet republics and a launch pad Russia leases from Kazakhstan. A potential commercial rival to Arianespace of France and Californian-based SpaceX, a heavier version of the modular launcher is designed to replace Russia's workhorse Proton rocket which has suffered a litany of failures. AGENCIES

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# Soon, a brain implant to help restore memories

## \$40M Project Launched To Help Wounded US Soldiers

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**Washington:** US military researchers announced on Wednesday they have awarded \$40 million toward developing a new kind of brain implant that may help restore memories in wounded soldiers and civilians. The work represents a major scientific leap forward, but experts said many hurdles remain before it can be shown to work in people, the Defence Advanced Research Projects Agency (Darpa) said.

The hope is that some day, a wireless, implantable device will bridge gaps in the injured brain and make it easier to remember basic events, places, and context — known as declarative memories.

This kind of recall can be lost in traumatic brain injury, which has affected 270,00 US military service people since 2000 and touches 1.7 million US civilians each year.

“Our vision is to develop neuroprosthetics for memory recovery in patients living with brain injury and dysfunction,” said Justin Sanchez, program manager of the Restoring Active Memory (RAM) program at Darpa. “Those service members have paid the ultimate price in service of our nation, so it our great responsibility to try to come up with new and innovative — not only scientific but medical — approaches that can help repay some of that debt,” said Sanchez.

Darpa said it was carefully



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weighing the ethics of such experiments, and is consulting with a panel of neuroscience experts about potential pitfalls associated with the research.

“It is risky, which is very typical of Darpa,” said Geoffrey Ling, director of Darpa’s Biological Technologies Office. The work is part of a four-year programme that supports President Barack Obama’s Brain Initiative, a \$100 million effort. The latest DARPA awards give up to \$22.5 million to a team of scientists at the University of Pennsylvania, up to \$15 million the Uni-

versity of California, Los Angeles, and \$2.5 million to Lawrence Livermore National Laboratory.

Medtronic, the medical device technology company, was to contribute with a “cost-sharing effort”, said Sanchez, but details on that were not immediately available. Any new neuroprosthetic device will be first tested on patients with epilepsy who have also suffered memory loss as a result of their condition and who are already implanted with electrodes as part of their treatment, researchers said. AFP

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# Sand may power mobiles in future

**Washington:** Imagine if you only had to charge your cellphone or tablet every three days? A new sand-based battery may make it possible. Scientists have used sand to create a lithium ion battery that outperforms the current industry standard by three times.

"This is the holy grail — a low cost, non-toxic, environmentally friendly way to produce high performance lithium ion battery anodes," said Zachary Favors, a graduate student working with Cengiz Ozkan and Mihri Ozkan, both engineering professors at University of California, Riverside's Bourns College of Engineering.

Graphite is the current standard material for the anode, but as

electronics have become more powerful graphite's ability to be improved has been virtually tapped out. Researchers are now focused on using silicon at the nanoscale, or billionths of a metre, level as a replacement for graphite. The problem with nanoscale silicon is that it

## GREEN BATTERY

degrades quickly and is hard to produce in large quantities.

Favors researched sand to find a spot in the US where it is found with a high percentage of quartz. That took him to the Cedar Creek Reservoir, east of Dallas. He came back to the lab at UC Riverside and milled the sand down to the nanometre

scale, followed by a series of purification steps changing its colour from brown to bright white, similar in colour and texture to powdered sugar. After that, he ground salt and magnesium, both common elements found dissolved in sea water into the purified quartz. The resulting powder was then heated. With the salt acting as a heat absorber, the magnesium worked to remove the oxygen from the quartz, resulting in pure silicon.

The pure nano-silicon formed in a very porous 3-D silicon sponge like consistency. That porosity has proved to be the key to improving the performance of the batteries built with the nano-silicon, researchers said. PTI