

Newspaper Clips

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IITians oppose common entrance test

NEW DELHI: While the human resource development ministry is ready to conduct a common entrance examination for Indian Institutes of Technology starting 2013, a section of IIT students are opposing the proposal.

Students say the move will dilute the quality of IITs and the single entrance exam will put more pressure on students. IIT-Delhi students also held a press conference on Tuesday to show their objection against the Union HRD ministry's proposal.

"The new pattern plans to give 40 per cent weightage to marks obtained in higher secondary board exams. There are chances of more students getting through. Those who manage to score high in board exams but who are not skilled will also get through," said an IIT-Delhi student.

"Different educational boards across the country have different marking patterns. While it is easy to score in CBSE, it is difficult to score high in certain boards," said another student. The Union HRD ministry plans to introduce a common aptitude-cum-advanced knowledge test to replace the IIT Joint Entrance Examination and the All-India Engineering Entrance Examination in 2013. The test scores in the new pattern will have 60 per cent weightage in deciding merit, while school board marks will have 40 per cent weightage. The proposal also includes introduction of percentile system for marks scored in board exams.

अगले साल से इंजीनियरिंग की एक प्रवेश परीक्षा

नई दिल्ली, एजेंसी : अब सिर्फ कोचिंग संस्थाओं में नामांकन कराकर प्रवेश परीक्षाओं में सफलता पाना आसान नहीं होगा। सरकार ने शिक्षा नीति में व्यापक बदलाव का फैसला लिया है। अब देश के आइआईटी और देश के अन्य इंजीनियरिंग कॉलेजों में नामांकन के लिए अलग-अलग परीक्षाएं नहीं होंगी। अगले शैक्षिक सत्र से आइआईटीजेईई और एआईईईई की जगह सरकार ने एक ही परीक्षा लेने का निर्णय लिया है। भारतीय विज्ञान इंजीनियरिंग पात्रता परीक्षा (आइएसईईटी) नाम से आयोजित होने वाली यह परीक्षा दो चरणों में होगी। पहला चरण अप्रैल और दूसरा मई में होगा। मानव संसाधन विकास मंत्रालय ने टी रामास्वामी समिति, आइआईटी परिषद और एनआईटी परिषद की राय जानने के बाद आइआईटी सहित देश भर के इंजीनियरिंग कॉलेजों में नामांकन के लिए एक ही प्रवेश परीक्षा आयोजित करने का फैसला लिया। मंत्रालय चयन प्रक्रिया को भी सुधारना चाहता है। अब इंजीनियरिंग में दाखिला के लिए जो मेधासूची तैयार होगी उसमें बारहवीं बोर्ड परीक्षा में प्राप्त अंक भी मायने रखेंगे। बारहवीं बोर्ड परीक्षा के प्राप्तांक का लगभग 40 फीसदी अंक जोड़कर मेधासूची बनेगी।

Hindustan ND 15/02/2012

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आईआईटी छात्र की जमानत पर फैसला सुरक्षित

कानपुर, (नि.सं)। आईआईटी दिल्ली के छात्र सुरेंद्र भूकिया की जमानत अर्जी पर मंगलवार को बहस पूरी हो गई। कोर्ट ने फैसला सुरक्षित कर लिया है। बचाव पक्ष ने छात्र के भविष्य का हवाला देते हुए जमानत की अपील की है।

आईआईटी कानपुर की छात्रा को अश्लील एसएमएस भेजने और शादी के लिए अपहरण करने के प्रयास के आरोप में गत सप्ताह से सुरेंद्र जेल में है। उसकी मानसिक स्थिति भी ठीक नहीं है। विशेष न्यायाधीश एससी-एसटी अरुण प्रकाश की कोर्ट में उसकी जमानत अर्जी पर सुनवाई हुई। बचाव पक्ष के एडवोकेट शिवाकान्त दीक्षित ने कोर्ट को अवगत कराया कि इसके अलावा छात्र पर कोई भी मुकदमा दर्ज नहीं है। जेल में रहने से उस पर बुरा असर पड़ेगा। उन्होंने सब रजिस्ट्रार की चिट्ठी का हवाला भी दिया।

Indian Express Ahmedabad 14.02.12 p-4

IIT-Gn gets two solar power plants for research

ADAM HALLIDAY
AHMEDABAD, FEBRUARY 13

TWO photovoltaic (PV) solar power plants have been set up at the Indian Institute of Technology, Gandhinagar (IIT-Gn) to help students learn and study various aspects of the subject.

As part of an understanding with the US-based Underwriters Laboratories (UL), which tests and certifies products, the two plants — each of 10 kWp (kilowatt peak) capacity — have been set up at IIT-Gn's current campus, with the option of shifting it to the new campus when the institute moves.

The first plant was sponsored by NTT Facilities, a Japanese company, and set up and connected on the last day of 2011. It is made up of thin film CIS technology.

The second plant, installed one week ago, was sponsored by the Gujarat Energy Development Agency (GEDA) and manufactured by Jain Irrigation Systems, an Indian company. It is made up of polycrystalline silicon materials.

Together, the plants have the capacity to produce 30,000 kWh (kilowatt hour) per annum, and authorities calculate it would cut IIT-Gn's carbon emissions by as much as 15 metric tons over 25 years, the expected life of these plants.

"There are hundreds of PV plants in the country now thanks to the National Solar Mission, but I don't think anyone has any idea what to do with them once their life-cycles run out," said Chin-

may Ghoroi, an assistant professor at IIT-Gn's chemical engineering department.

Ghoroi is leading a research with his colleague from the electrical engineering department, Naran Pindoriya.

"The research would focus on whether panels can be recycled or, if not, how can they be disposed of safely. Also, the panels in the two plants are made of different material. Which is better in terms of durability and efficiency will also be studied," he said.

Another matter of research will be the fire safety aspects that would fall in line with UL's agreement with IIT-Gn, which has already set up a national fire registry. This aspect would focus on drawing a protocol to guide firefighters on how fires that are either caused by electricity from PV panels or in places with PV installations should be tackled.

According to Pindoriya, IIT-Gn and Vishwakarma college — the two institutes temporarily share a campus — has a total contracted demand of 350 kilowatt, and the 20 kilowatt from the plants is helping bring this down.

Pindoriya said that the research is also focusing on making accurate short-term predictions of energy output from the above said solar plants. "Making predictions for solar plants requires detailed forecasts. The continuous monitoring that we have set up for the two plants here can give us the tools to make such forecasts," he said.

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Research papers will be available in public domain

Vasudha Venugopal

IT's EXOTERIC, NOW



- India currently has 53 registered open access repositories that allow interested users to freely download and use documents.
- National Centre for Science Information has over 32,000 publications on physics, chemistry, biology, mathematics and engineering.
- Last month, the Institute of Mathematical Sciences, Chennai launched its new open-access repository. The repository provides open access to research articles on physics, mathematics and theoretical computer science.
- Eprints@MDRF is the Open Access research outputs repository of Madras Diabetes Research Foundation. Research outputs of MDRF - journal papers, conference papers, reports, theses, patents etc. - are uploaded by MDRF scientists.

IIT-Madras intends to make circle of knowledge complete

2012-13 was declared the year of science by Prime Minister Manmohan Singh last year, and there is a lot of effort being made all over the country to not only intensify the quantity and quality of research but also ensure greater access for all. For instance, IIT-Madras plans to make available its research papers in all disciplines online, in the public domain. The institute already provides e-learning through online web and video courses in engineering, science and humanities streams through NPTEL.

The attempt now is to convince faculty members to upload their research papers into the institution's repository, says Mangala Sunder Krishnan, Web Coordinator (NPTEL). The move will not only benefit students and faculty members but will also help the circle of knowledge to be complete, he says.

What IIT-Madras plans to do is follow an Open Access policy that would make the access of journals and scientific research public and many other educational organisations plan to follow suite. "Most research publications stay locked up in commercial journals and are inaccessible to many. Open Access is the best way to ensure that research produced in the developing world gets wider visibility," says Francis Jayakanth, a library-trained scientific assistant based at the National Centre for Science Information, the information centre of the Indian Institute of Science, Bangalore. Mr. Jayakanth has been instrumental in creating an institutional repository ePrints@IISc that has over 32,000 publications by researchers.

Subbiah Arunachalam, distinguished fellow at the Centre for Internet and Society explains: "A research produced by the Tuberculosis Research Centre in Chennai which would be of great relevance to researchers, say in a university in Maharashtra, may not be even noticed by the scientists there. Both groups receive funds from the same source - Government of India - and yet what one does is not easily accessible to the other. "Open Access would bridge that gap and make information available to everyone," he says.

Open Access repositories would help authors place their papers in an interoperable institutional open access archive and anyone with an Internet connection can access it. Researchers say that in most reputed journals, it takes almost six months to get a paper published, and most insist that the paper is removed from the internal repository of the author's institution once it is published. "But 70 per cent of the publishers are now fine with the authors taking the pre-print of their paper uploaded in the repository. And since in open access, every thing is peer reviewed, the quality is never compromised," says Mr. Jayakanth.

While institutions such as IIT- Madras subscribe to over 2,000 journals, many colleges under Anna University and University of Madras have access to just about 1,500 journals. "There is almost Rs.10 -12 lakh that the institution spends on journal subscriptions so unless there is funding, many self-financed colleges prefer not to subscribe to journals and go for a few mandatory ones prescribed by AICTE. Students and researchers have no way to acquaint themselves with recent updates," says D. Krishnan, professor, Anna University.

Even if you go through consortiums, you have to spend Rs.20 lakh which many smaller R&D organisations cannot afford to, adds P. Ramamoorthy, librarian at Sameer- Centre for Electromagnetics, a government-funded research agency. "The restrictions imposed by many commercial publishers do not allow one to legally share the published output of his result with his colleague. Open access will relive authors of such hassles," he says.

Times of India, ND 15/02/2012

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IIMs make Asia-Pacific top 10 again

B'lore, Ahmedabad & Kolkata Institutes Joined By Three Others In Top 30

Shruti Susan Ullas | TNN

Bangalore: The Indian Institutes of Management (IIMs) — Bangalore, Ahmedabad and Calcutta — continue to be the quality B-schools in the country.

The trio has figured in the top 10 in the Asia-Pacific region. The QS Global 200 Business Schools Report 2012 has put these B-schools among other Indian schools in the global rankings.

IIM-Ahmedabad is ranked second, IIM-Bangalore's rank is fifth and IIM-Calcutta is ranked eighth.

IIM-A and IIM-C have shown the biggest improvement in employer opinion this year in the region by improving four places.

Indian School of Business

TOP OF THE PACK

1. INSEAD, Singapore
2. IIM-Ahmedabad
3. Melbourne Business School, The University of Melbourne
4. National University of Singapore Business School
5. IIM-Bangalore
6. University of New South Wales, AGSM MBA Programs
7. Indian School of Business
8. IIM-Calcutta
9. China Europe International Business School (CEIBS)
10. The HKUST Business School

(Source: QS Global 200 Business School Report)

has been ranked seventh, S P Jain Institute of Management and Research is at 16

and Indian Institute of Foreign Trade at 21.

INSEAD, Singapore is number one in the region for the third consecutive year. Melbourne Business School (University of Melbourne, Australia), NUS Business School, (National University of Singapore) and University of New South Wales were some of the other institutes that featured among the top 10 in the region.

The QS global report, which originated in the early 1990s, provides a detailed overview of the most popular business schools around the world based on information given by global recruiters.

It lists out 200 business schools from which employers prefer to recruit MBAs. The ratings are made region-

wise (Africa and the Middle East; Asia-Pacific; Europe; Latin America; North America) and MBA specialization ratings.

According to the report, even though business schools in the United States and Europe remain the most popular destinations for MBA, schools in other parts, like in the Asia-Pacific, are gaining popularity.

"Business schools in the Asia-Pacific region are looking at the standard of top American and European institutions as indicators of how they compare and where they could improve. Furthermore, the economic growth in some Asian countries, particularly in China and India, has heightened the demand for more accredited business

schools in the region in order to train the next generation of successful business leaders," says the report.

"IIM-B has shown gradual improvements in the ratings, climbing from sixth (2009) to fifth (2010) and this year missed the top cluster by just 2.7 points," the report says.

However, there is a worry about international student enrolment.

"Many of Asia's business schools lack in international student enrolment, causing concern among employers who are looking for graduates to work in a multinational environment," the report says.

The percentage of international students in IIM-A, IIM-B, IIM-C and ISB is 1, 10, 3 and 5 respectively.

HindustanTimes

Title : KNOWLEDGE NETWORK TO LINK VARSITIES: SIBAL

Author :

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■ **Sibal: IT to be backbone**

KNOWLEDGE NETWORK TO LINK VARSITIES: SIBAL

MUMBAI: Telecom minister Kapil Sibal on Tuesday said that the IT industry would be the “backbone of transformative economies” globally as well as at home. The government is working on a dedicated knowledge network that will connect 604 universities and 30,000 colleges across India, he said. Sibal also said that 250,000 villages will be connected with a fibre optic cable network, which will help in various e-governance projects and all kinds of government services. **HTC**

Hindustan ND 15/02/2012 p-6

डीयू नंबर वन और जेएनयू नंबर दो

नई दिल्ली | प्रमुख संवाददाता

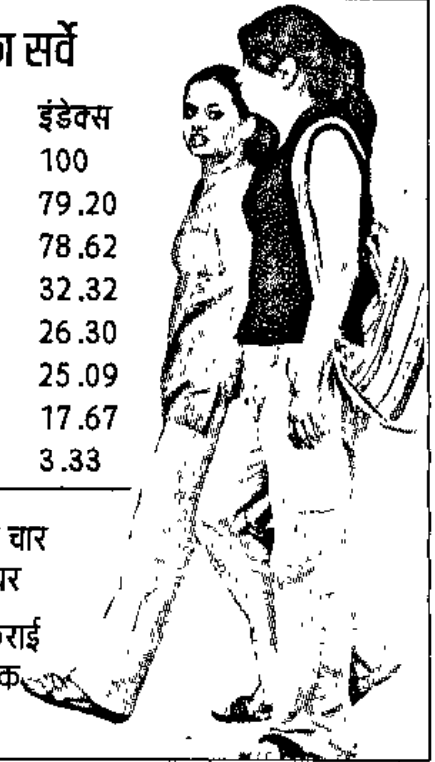
नेल्सन के हालिया सर्वे में एकेडमिक स्तर के मामले में डीयू को नंबर वन घोषित किया गया है जबकि जवाहरलाल नेहरू विश्वविद्यालय दूसरे पायदान पर रहा है। 2010 में डीयू तीसरे नंबर पर था। देशभर की टॉप 45 विवि की सूची में आगरा विवि आखिरी पायदान पर है, जबकि सीसीएसयू इसमें एंट्री बनाने में भी विफल हो गया। नेलशन के सर्वे में यूपी से सर्वाधिक चार विवि सर्वश्रेष्ठ की सूची में हैं।

हाल ही में नेलशन ने देशभर के विवि का सर्वे किया। सर्वे में विवि की प्रतिष्ठा, गुणवत्तायुक्त एकेडमिक स्तर, स्टूडेंट केयर, संसाधन और जॉब प्रॉस्पेक्ट्स सहित चार बिंदु शामिल किए गए। चारों बिंदुओं के आधार पर देशभर से टॉप 45 विवि की सूची जारी की गई, लेकिन इस लिस्ट में सीसीएसयू से पड़ोसी जिले से आगरा विवि आगे निकल गया। सूची में डीयू सर्वश्रेष्ठ विवि के साथ पहले नंबर पर काबिज हुआ। 45 विवि की सूची में यूपी से सर्वाधिक चार विवि ने अपनी एंट्री दर्ज कराई है। इसमें बीएचयू, अलीगढ़ मुस्लिम विवि,

विश्वविद्यालयों पर नेल्सन का सर्वे

| विवि | ओवरऑल रैंक | इंडेक्स |
|---------------|------------|---------|
| डीयू | 01 | 100 |
| जेएनयू | 02 | 79.20 |
| बीएचयू | 03 | 78.62 |
| जामिया भीलिया | 08 | 32.32 |
| एएमयू | 11 | 26.30 |
| इलाहाबाद विवि | 13 | 25.09 |
| लखनऊ विवि | 15 | 17.67 |
| आगरा विवि | 45 | 3.33 |

- देशभर के 45 विवि की सूची में यूपी के चार विवि शामिल, आगरा विवि 45 वें नंबर पर
- 2011 के सर्वे में आगरा विवि ने दर्ज कराई एंट्री, गिरते एकेडमिक स्तर व प्रशासनिक व्यवस्था से मुश्किल



इलाहाबाद यूनिवर्सिटी और लखनऊ यूनिवर्सिटी शामिल हैं। महत्वपूर्ण बात यह भी है कि बीएचयू को छोड़ बाकी तीन विवि ने 2010 की तुलना में सूची में अपनी पोजीशन बेहतर की है। 2010 में एएमयू 16, इलाहाबाद 23 और लखनऊ विवि 24 वें नंबर पर थे। आगरा विवि 2010 की सूची में शामिल ही नहीं था, जबकि 2011 में आगरा विवि ने

बेहतर कार्य करते हुए सूची में 45 वें पायदान पर अपनी उपस्थिति दर्ज कराई। वहीं, सर्वाधिक नेट-गेट उत्तीर्ण करने वाली सीसीएस यूनिवर्सिटी जगह बनाने में नाकाम रही। सर्वे में प्रतिष्ठा को पहले नंबर पर रखा गया। ऐसे में 2006 के मूल्यांकन घोटाले का दाग झेल रहा विवि अभी तक अपनी प्रतिष्ठा को पटरी पर नहीं ला सका।

कामा

Clouds of doubt over Aakash

A FEW months ago, Aakash tablet was launched with full fanfare and during its launch Union HRD minister Kapil Sibal said, "System of education in India would change dramatically due to access of low cost tablets to students. The tablet shall help enhance the quality of learning of children." This certainly was a giant step in improving of school and college education. However, days after the big bang launch of the Aakash tablet by the government, doubts were raised over its efficiency and durability. If experts of the industry are to be believed, technical flaws, no hands-on experience, and the total cost of procuring it make the much-hyped gadget a disappointment for the buyers.

There are issues such as the gadget may not be able to perform multiple tasks because the Android OS application would require enough memory to run a few applications and graphics. This can be understood from the fact that the cheapest Android mobiles from 'Spice' are equipped with 600 MHz processor, whereas the Aakash has just 336 MHz processor. So, half of it would always be kept on use for just running the OS; the tablet has low battery, 2,100 mAh and experts say that Aakash does not have a powerful battery backup either. A longer lasting battery is important for a hassle-free experience on a gadget like Aakash with a comparatively big screen; the screen resolution is also very poor, screen reflects the light, and at its maximum brightness too, the tablet's display is poor in bright conditions; it has resistive touch screen; moreover, with just Wi-Fi option, poor connectivity is a big impediment for users in rural areas. Even the major metropolitan

Arun Nigavekar



FAULTLINES: Technical flaws, no hands-on experience, and the total cost of procuring it make the much-hyped gadget a disappointment for the buyers

cities in India struggle to provide Wi-Fi networks through the service providers, so one can easily imagine how will the users get the Wi-Fi network in rural areas?

The Aakash tablet is designed, developed and manufactured by a Canada-based firm called Data Wind in coordination with IIT Rajasthan. However, it seems that Data Wind, the manufacturer of the tablet is uncomfortable with the test standard of the IIT Jodhpur. In addition, the Data Wind has been on the receiving end of harsh criticism after it missed several delivery deadlines and also for providing poor customer support. The spat between IIT Ra-

jasthan and Data Wind has already delayed the supply of the Aakash tablet. According to reports, the government is now taking away responsibility of the procurement of Aakash tablets from IIT Rajasthan and Data Wind is given an extension for supplying tablets only till March.

But that's not the end of the problems for Data Wind. It seems that the government is unhappy with the company after various faults were detected in the Aakash tablet. The HRD ministry now desires that the device is made more indigenous and the price should further reduce. IIT Mumbai and IIT Kanpur are likely to be involved to ad-

dress these aspects. It is also reported that PSUs such as ITI or Telecommunications Consultants India (TCIL) are being considered for procurement of Aakash 2 tablets. Moreover, IIT Rajasthan will be no more involved in the drafting of specifications and features of the Aakash 2 tablets. It will be taken care by the department of IT, ministry of communications and IT. A special committee headed by the IT ministry is going to decide over the future specifications of the Aakash 2 tablets.

We must realise that the government is to invest billions of dollars for National Mission for Education through ICT. The next up-

graded version of the Aakash tablet, also known as the UbiSlate 7 has various improved features such as Cortex A8 - 700 MHz processor and a 3,200 mAh battery. The UbiSlate 7+ would run on Android 2.3 Gingerbread platform; would have GPRS, Wi-Fi connectivity and support for 3G modems. It would have two full-sized USB ports that are integrated into the unit for connecting pen-drives, external keyboards, web-cams and dongles. The UbiSlate 7 is likely to see more usability in the rural India. The Aakash 2 would cost Rs 2,999, which is certainly not a bad deal.

However, the larger issue is supply of content material for schools and colleges. Someone has to put in enormous time and money to create these in Open Source environment and the government has to address this issue on its own or bring in private education content providers in the picture. We need to establish such standards for these contents that would form a benchmark across India. All these tasks need well defined frame work for doing of banded contents and meticulous planning for creation of repository in cloud environment and also for last leg connectivity through tie up with various telcos.

It seems that the government is caught up on supply of Aakash tablets. It must quickly resolve the concerned issues and address aspects related to contents and their delivery to students. Otherwise, we would be doing the same mistake when we launched in September 2004 education satellite first and then started working on its usage.

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(The writer is a former chairman of UGC and former VC of University of Pune)

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HC tells Centre to file report on Facebook, Google

New Delhi: The Delhi high court on Tuesday asked the Centre to file its report according sanction to prosecute 21 websites, including Facebook, Google, Yahoo and Microsoft, for allegedly promoting enmity between classes and causing prejudice to national integration.

Social media not above the law, says Sibal

Union telecom and information technology minister Kapil Sibal on Tuesday ruled out any plan to censor social media, but said the companies need to obey the law of the land. The comments came in the backdrop of a Delhi court's order asking social and networking media sites like Facebook, Twitter, Google etc to remove objectionable contents. **TNN**

“You file the report tomorrow,” Justice Suresh Kait asked the counsel for the Centre and posted the petitions of Google India and Facebook India for further hearing on February 16. Out of 21 websites summoned by a trial court for allegedly promoting enmity between classes and causing prejudice to national integration, Google India and Facebook India had moved the HC challenging the summonses to them on various grounds including the one that they had no control on the contents posted by users on their websites. **TNN**

Business Line ND 15/02/2012 p-1

Govt will not censor social media: Sibal

But they have to obey laws of the country

T.E. Raja Simhan

Mumbai, Feb. 14

Mr Kapil Sibal, Union Minister for Communications and Technology, on Tuesday categorically said that the government will not censor the social media.

"I want to say once and for all, without any obfuscation, no Government in India will ever censor social media," Mr Sibal said while inaugurating the three-day Nasscom India Leadership Forum starting on Tuesday.

"I never wanted to censor social media and no government wants to do so. But like the print and electronic media, they have to obey the laws of the country," he said.

Mr Sibal in December met leading social networking firms such as Google, Facebook and Twitter to suggest ways for effective usage of these social platforms.

RS 1,000-CR FUND

Mr Sibal later talking to newsmen said that the Government plans to set up a Rs 1,000-crore fund as part of



Mr Kapil Sibal, Minister of Communications and IT, at the inaugural session of the 'India Leadership Forum' organised by Nasscom in Mumbai on Tuesday. — Paul Noronha

the electronics devices manufacturing policy. This policy envisages creating 200 electronics clusters with a 10-year stable tax regime as incentive for it. The Government also proposes to clear an Electronic Service Delivery Bill in the next couple of months. This with

mandate all government organisations to deliver public services through the electronic mode, he said.

NEW TELECOM POLICY

Mr Sibal also announced that National Telecom Policy would be unveiled in April.

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Obama felicitates Amartya

Chidanand Rajghatta | TNN

Washington: The first Indian luminary to visit the White House is dimly recorded in history. It is thought to be the mystic Parahansa Yogananda, who was received by President Calvin Coolidge at 1600, Pennsylvania Avenue on January 24, 1927. No such doubts attend the presence in the White House of latter day saints from India and students of Indian-origin: It is recorded in audio and video, webcasts and photo galleries.

On Monday night, Nobel laureate Amartya Sen became the latest Indian luminary to be feted at the White House when President Obama presented him with the US National Medal for Humanities, a limelight he shared with among others, the actor Al Pacino, who got a National Medal for Arts.

Sen joins a growing list of distinguished Indian academicians



India-born Nobel laureate Amartya Sen receives the National Medal of Arts and Humanities at the White House on Tuesday from President Barack Obama for his efforts to increase the understanding of fighting hunger and poverty

who have been honored by Obama, including three India-born scholars — New York University's Srinivasa S R Vardhan, Purdue University's Rakesh Agarwal,

'Don't look for skilled workers in India, China'

US President Barack Obama has said that he does not want US companies to look for skilled and educated workers in India and China in fields like engineering, technology and science. To prevent that, Obama said, he wants to give the school and teachers the resources they need to train and educated students in the US. "Employers today are looking for most skilled, educated workers. I don't want them to find them in India or China. I want businesses to find those workers right here in the US," Obama said after sending the annual budgetary proposals for the fiscal 2013 to the Congress. ¶11

and North Carolina State University's B Jayant Baliga — who were presented the National Medal for Science and Technology late last year.

IIT-B'S single-seater getting final tweaks for competition

MUMBAI: As the dust settles at the gymkhana ground at the Indian Institute of Technology Bombay, a group of students look on in pride towards a little, fast-moving vehicle.



HT PHOTO

Students involved in the project and M&M'S automotive sector president Pawan Goenka (second from left) gather around NRB Prithvi 3.0, the single-seater to compete at the national level.

The sturdy, single-seater car — the brainchild of a team of 60 students from different departments at the institute — will be competing against 80 odd cars from various institutes across India at a student automobile engineering competition next week.

The Rs 2.5-lakh car built since March 2011 is now being tweaked in the final few days before the team heads off to showcase it at the Baja Student Automobile Engineering Competition in Indore starting from February 17. This is the group's third entry at the competition.

"This year we have designed a better break system, the car is lighter, it has better steering and is also better looking," said Sonam Motwani, 21, a third year student from the aerospace engineering department involved in the project. "We are looking forward to coming first," said Motwani, quietly confident.

The automobile has been built from scratch, except for the engine. Named NRB Prithvi 3 and shooting around at 60 kmph, the car weighs 220 kg, a weight reduction of 30% compared to the group's previous car. The car runs on petrol and has a mileage of 10km per litre.

"It's a very lightweight all-terrain vehicle, and we are confident about our car this year," said Pratik Chinchole, 21, a metallurgy department student.

Students from different departments have worked on the car together, bringing their expertise from mechanical engineering to electrical engineering. The cost of the car was borne through donations from sponsors.

The same group is also looking ahead to its next challenge — building their first electric Formula 1 student car for a competition in the UK.

Hindu ND 15/02/2012 P-6

A gathering with a difference

This weekend a global meet of the first decade alumni of Jawaharlal Nehru University will reflect on the premier institution's past, present and future

Urvashi Sarkar

Jawaharlal Nehru University is gearing up for a unique and special event. Come Saturday, February 18, the university will play host to its students who were enrolled in the university from 1969-1982, roughly the first decade of its establishment.

One of the country's premier institutions for higher learning, teaching and research, JNU's alumni present a formidable force in society and the university alumni list reads like a veritable who's who, comprising women and men who have made their mark in fields ranging from academics, politics and administration to entrepreneurship, media and social activism.

Alumni from countries such as Australia, Scotland, Bahrain, Switzerland, United



EDUCATION AND ACTION: Jawaharlal University has always been known for its vibrant student participation. PHOTO: ANU PUSHKARNA

JNU's alumni present a formidable force in society and the university alumni list reads like a veritable who's who

Arab Emirates, United States, Saudi Arabia and other countries will participate in the meet, which is being organised by a loosely-structured group, the "Global JNUites." Group coordinator Chandrashekhar Tibrewal said: "The larger aim of the meet is to pave the way for a series of discussion on the role of universities in society. Another objective is to create a corpus of funds for use by JNU and to pool our resources for secondary issues in the university which are not usually funded by general resources."

Those expected to attend include CPI (M) leader Sitaram Yechury, Nationalist Congress Party leader D.P. Tripathi, BJP spokesperson Nirmala Sitharaman, Naz

Foundation founder Anjali Gopalan, Centre for the Study of Developing Societies senior fellow Yogendra Yadav and Centre for Social Research director Ranjana Kumari.

Part of the organising committee and Professor in the School of Social Sciences, Geetha Nambissan, added: "The alumni from the first decade will reflect on what should be done for the university. To this end, a panel will be organised in which discussions will take place on the university's first decade. Ways to contribute to the university given the current context of the university and the larger debates surrounding it will be chalked out. How do we look at JNU and how

will it evolve in the next two or three decades? Even within university circles, such a thinking process is already underway."

"The University: JNU and its role in India today" will form the topic of the panel discussion while Romila Thapar, Professor Emeritus, JNU will deliver a talk on what the vision was for the university when it started.

Most students have a deep sense of gratitude to their alma mater and for its contribution in their growth as individuals. JNU students are no different and take pride in their association with the university; they possess a strong sense of affiliation. Sohail Hashmi, also an organising committee member and a trustee of SAHMAT said: "All of us from JNU owe a lot to the university not just academically but also because of our evolution as human beings. The alumni meet will be an effort to reassess the vision of JNU."

The advent of Internet technology has meant that alumni could be easily contacted.

"However, some of our alumni have passed away. We will have a short memorial service for them. About 500-600 alumni are expected. The meet will provide an occasion for students to reunite, reminisce and share memories. We might have a sort of mock general body meeting -- it is very much part of the JNU tradition. Plans to organise an annual alumni lecture series and publication of a series of these lectures in book form will also be discussed," Mr. Hashmi added.



PART OF THE ALUMNI: CPI (M)'s Sitaram Yechury talking to a student gathering in JNU. PHOTO: R.V.MOORTHY

With the IIT-JEE and AIEEE exams approaching, aspiring engineering students need to stay focused, plan a smart approach and remain calm and collected to crack these, says RAMESH BATLISH

Every year million of students appear for engineering entrance exam in be it AIEEE or IIT-JEE. All Class XII students at present must be busy revising their syllabus for CBSE exam that are slated to begin in the first week of March. These students have lifelong dreams and aims — to get admission into the best college and universities. For some it is admission to a medical college for others it is engineering.

Engineering as a career has attracted the students in a big way and the large number of aspirants taking the engineering exam is a proof of the rise in demand. Engineering is a multi-disciplined field with new disciplines and branches being added with the advancement of science and technology.

Students don't shy away from giving in their best. The rat race of "being the best" have made students cross their own best performance. They are well aware that clearing the various entrance exams is not a cake walk. They need to come not only be prepared academically but also be mentally prepared to sit for these exams.

Every student who wants to be an engineer dreams of pursuing the degree from IIT. But it is very important to understand that preparation for The Indian Institute of Technology Joint Entrance Examination (IIT-JEE) requires rigorous hard-work as competition for the limited seats at the prestigious IIT's is increasing year on year.

Nowadays, students start preparing as early as in Class IX. They take special coaching to sit for the entrance exams. The IIT-JEE or JEE is an annual college entrance examination in the country. It is one of the toughest engineering entrance exams in the world with a success rate of around 1 in 45.

Whereas, All India Engineering and Architecture Entrance Examinations (AIEEE) is the largest entrance exam in the world. It is the famous exam for admission in engineering or architecture bachelor courses throughout.

Lakhs of students from all over the country, participate in this exam to get admission in the various reputed NIT's and State level institutes.

Candidates who qualify in the IIT-JEE can apply for admission to the BArch (Bachelor of Architecture), BDes (Bachelor of Design), BTech (Bachelor of Technology), dual degree (Integrated Bachelor of Technology and Master of Technology), Integrated MSc (Master of Sciences) and Integrated MSc (Tech) (Master of Sciences and Technology) courses in the various institutes.

SCOPE

Engineering is amongst the few professions where creativity and ingenuity knows no bounds. Moreover, if you are the one among those who look for challenging opportunities than probably, engineering is the most ideal profession to opt for.

As a profession it offers a wide range of career possibilities and opportunities. From the design of fighter planes to that of pacemakers for hearts from boring holes deep in the earth for the petrochemicals to stepping on Mars, engineers play the pivotal role.



Crack the code

ELIGIBILITY

It is very important to know that the candidates who are giving their final exam of Class XII in 2012 are eligible to apply and the candidate can appear twice in the joint entrance exam that too should be in consecutive years. The candidates who have passed their Class XII exam from a recognised board are also eligible to sit for the exam.

POSITIVE ATTITUDE IS THE KEY

It is advisable to stay focused and maintain a positive attitude. Fretting over the exam will not be helpful; moreover will waste your time. It is very important to develop speed.

Do not overstress yourself, it is important to sleep for five to six hours every day, especially three-four days before the exam to keep one physically and mentally fit.

Short naps also help to regain freshness. Students should avoid over-sleeping during the day.

It is important to focus on weak areas and improve upon your concepts. Your mantra should be quality of time and not the quantity.

66

Do not overstress yourself. It is important to sleep six hours every night, especially three to four days before the exam to keep yourself physically and mentally fit

99

TIPS

- Students need to be focused for better results, they should strictly follow a well planned time schedule
- During practice sessions, one should develop speed in working out the questions
- Make summary points to remember all concepts topic wise and flag the questions with twist, intermingling of concepts requiring analytical skills. This will help in quick revision couple of days before or even on the eve of exam
- Student should aim at 100 per cent hit rate. This means that all attempted questions are correct. This will enable them to have a competitive edge over others who will be left behind in the race due to negative marking on incorrect attempts
- To reap benefits, student throughout preparation period should remain focused with a positive attitude to study with utmost concentration. It is quality of time spent and not the quantity alone
- A short-break of 5 to 10 minutes after every one and half hours of serious study is advisable
- Students should do yoga to develop inner calm, poise, confidence, power of concentration and spiritual quotient needed for success in competitive examination like IIT-JEE, AIEEE. This will ultimately be of immense help on the day of the exam
- It is advisable to reach exam centre at least 20 minutes early. Few deep breaths on the seat in the hall will ward-off nervousness
- Speed and accuracy will help to finish the exam ahead of time, leaving some time for revision
- Do not leave all hopes on the luck



factor, hard work and dedication is the key to success

This year, the IIT-JEE and AIEEE exams are slated for April 8 and April 29 respectively.

If you aspire to rake in a top rank in esteemed university then this is the right time to brush up your fundamentals skills and re-energise all your efforts. To raise the bar and to develop muscles, the weight is to be lifted by the student himself.

The advent of globalisation and liberalisation in the early 90s has brought in revolutionary change. The engineers have the ability to bring about an impactful change. They can bring blueprints alive. They use a barren land as a canvas and spill colors to make a new painting, in name of invention and latest technology.

(The author is head FIIT-JEE, Noida)

आईआईटी में 'तक्ष' 16 से

जोधपुर। आईआईटी राजस्थान के स्टूडेंट्स की ओर से 16 फरवरी से तकनीकी व सांस्कृतिक इवेंट 'तक्ष' आयोजित किया जाएगा। इसके तहत कुल 60 आयोजन होंगे जिनमें से 30 तकनीकी व 30 सांस्कृतिक होंगे। इनमें देश भर के विभिन्न कॉलेजों के करीब दो हजार स्टूडेंट्स शामिल होंगे। आईआईटी (आर) के स्टूडेंट मयंक अग्रवाल ने बताया कि इस आयोजन के तहत मुख्य रूप से प्रोग्रामिंग, एरो मॉडलिंग, रोबोटिक्स, इलेक्ट्रॉनिक्स, मैथ्स, एस्ट्रोनॉमी म्यूजिक, डांस, ड्रामा, लिटरेचर, फैशन शो, पर्सनेलिटी हंट व प्रो नाइट से जुड़े आयोजन होंगे। आयोजन के तहत 5 वर्कशॉप भी आयोजित किए जाएंगे। आयोजन में एससीएल के फाउंडर अजय चौधरी व मैक माई ट्रिप के सीईओ दीप कालरा का व्याख्यान भी होगा।

स्कूलों में आईआईटी कोचिंग

» सरकारी स्कूलों के 20 स्टूडेंट्स का होगा चयन » 2 सेंटरों में कल होगा टेस्ट

प्रशासन, शिक्षा विभाग व संस्थाओं ने बनाई योजना

रणजय राणा | पटियाला

जिले के सरकारी स्कूलों में पढ़ने वाले स्टूडेंट्स को जिला प्रशासन, जिला शिक्षा कार्यालय, रेडक्रास सोसायटी व आई क्यूस्ट संस्था मिलकर मुफ्त आईआईटी कोचिंग देंगे।

जिले में कुल 20 बच्चों का चयन करने के लिए 15 फरवरी को टेस्ट होगा। प्रोजेक्ट का को-आर्डिनेटर स्टेट अवाडी अध्यापक जसविंदर सिंह कुलवाणु को बनाया गया है। चयनित स्टूडेंट्स को अप्रैल से लेकर मार्च, 2013 तक एक साल मुफ्त कोचिंग दी जाएगी। दूरदराज से आने वाले स्टूडेंट्स के रहने व खान-पान का इंतजाम जिला रेडक्रास सोसायटी करेगी। प्रोजेक्ट के जिला को-आर्डिनेटर जसविंदर कुलवाणु

8वीं से 11वीं के स्टूडेंट्स को कोचिंग

इस प्रोजेक्ट में 8वीं से लेकर 11वीं क्लास में हर क्लास में 5 स्टूडेंट्स का चयन किया जाएगा। आईआईटी की कोचिंग अंग्रेजी में होती है, लेकिन सरकारी स्कूलों का माध्यम पंजाबी होने के चलते विशेष टेस्ट पंजाबी माध्यम में लिया जाएगा। टेस्ट में 60 सवाल पूछे जाएंगे। हर ठीक जवाब के +4 और गलत जवाब देने पर 1 नंबर कम होगा। मैरिट बनाकर 20 होनहार बच्चों का चयन किया जाएगा। पटियाला में 15 फरवरी को होने वाले टेस्ट के लिए के दो सेंटर सरकारी मल्टीपर्पज स्कूल व दूसरा सिविल लाइन स्कूल बनाए गए हैं।

एक हजार आवेदन पहुंचे

■ जिले के 105 स्कूलों को इच्छुक बच्चों की सूची भेजने को कहा था। लगभग 1 हजार बच्चों के नाम प्राप्त हुए। इनमें से 20 बच्चों को चुनेंगे। सरकारी स्कूलों के बच्चों के लिए यह बेमिसाल तोहफा है।

जसविंदर सिंह कुलवाणु, को-आर्डिनेटर, शिक्षा विभाग

जिले की बड़ी उपलब्धि

■ प्राइवेट इंस्टीच्यूट्स में आईआईटी कोचिंग की फीस 80 हजार से लेकर सवा लाख रुपए तक है। सरकारी स्कूलों के बच्चों को मुफ्त में आईआईटी की कोचिंग उपलब्ध करवाना पटियाला जिले की बड़ी उपलब्धि है।

प्रमोद कुमार, डीईओ (सेकेंडरी) पटियाला

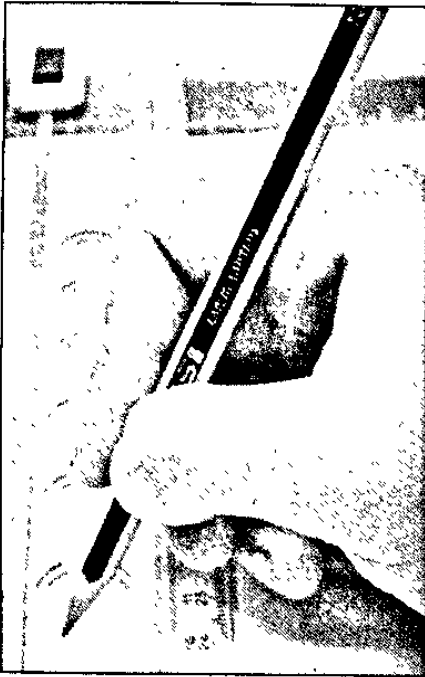
ने कहा कि आईआईटी का सारा सिलेबस व तैयारी अंग्रेजी भाषा में होती है। सरकारी स्कूलों में पढ़ने वाले बच्चों का अंग्रेजी ज्ञान उतना अच्छा नहीं होता, इसलिए शिक्षा विभाग

चयनित बच्चों को स्कूलों में अप्रैल तक अंग्रेजी की स्पेशल कोचिंग देगा। आई क्यूस्ट संस्था के प्रतिनिधि रोहित बिश्नोई ने कहा कि पहले यह प्रोजेक्ट लेकर जिला प्रशासन के

पास पहुंचे थे। उन्होंने डीईओ ऑफिस से संपर्क कायम करवाया। फिर यह प्रोजेक्ट जिले के सभी स्कूलों तक पहुंचाया गया। बच्चों का उत्साह देख हम गदगद हैं।

आईआईटी: कांसेप्ट पर करें फोकस

प्रेशर सहने की क्षमता डिवेलप करें। इसका सबसे अच्छा उपाय है इंस्टीट्यूट या घर पर एग्जाम के पूर्वाभ्यास को पूरी गंभीरता से लें। यह काम आप जितनी गंभीरता से करेंगे, प्रेशर उतना कम अनुभव होगा। धीरे-धीरे प्रेशर लेने की क्षमता और इच्छाशक्ति डिवेलप होगी और आप परीक्षा के दिन आसानी से दबाव की चुनौती पर जीत हासिल कर लेंगे।



निर्भय कुमार॥

आईआईटी के एग्जाम में अब काफी समय नहीं बचा है। ऐसे में स्टूडेंट्स को लिए यह जरूरी हो जाता है कि वे अपने समय के एक-एक मिनट को महत्व दें और उसका इस्तेमाल सार्थक तरीके से करें। आईआईटी के सवाल केवल ट्रिक या रट्टा मार कर हल नहीं किए जा सकते। जरूरत इस बात की है कि आप फिजिक्स, केमिस्ट्री या मैथ्स, सब्जेक्ट जो भी हो, कांसेप्ट को समझें और कांसेप्ट की अपनी समझ के साथ, इस तरह इस्तेमाल करें कि समस्याओं के हल नजर आने लगे। फिटजी के डायरेक्टर

सीवी कल्याण कुमार के मुताबिक इसके लिए एनालिटिकल अप्रोच अपनाएं। इस तरह से सोच विकसित करना किसी भी स्टूडेंट के लिए अहम है और इसे गंभीरता से लेने की जरूरत है।

समय बर्बाद न करें अब स्टडी मैटीरियल के चुनाव में समय न बर्बाद करें। यह काम तो पहले ही किया जाना चाहिए था। पचड़े में पड़ने से बेहतर है कि आप किसी एक अच्छे संस्थान के स्टडी मैटीरियल को अपना बेस मैटीरियल बना कर बढ़ते जाएं। जानेमाने संस्थानों द्वारा स्टडी मैटीरियल आईआईटी-जेईई के मद्देनजर ही तैयार होती हैं। सारी

किताबों को पढ़ने में बहुत समय लगेगा और इससे आप परीक्षा के दायरे से बाहर की बहुत सी चीजों पर भटकते रहेंगे।

एग्जाम से एक सप्ताह पहले कुमार के मुताबिक एग्जाम से एक सप्ताह पहले प्रश्न पत्र हल करने का अभ्यास करें। किसी नए विषय की शुरुआत न करें। इससे सिर्फ आपका समय बर्बाद होगा और घबराहट बढ़ेगी। आप जरूरी काम में पीछे छूट जाएंगे।

मेंटल प्रेशर से बचें

यह सही है कि किसी भी बड़े एग्जाम से पहले स्टूडेंट्स पर खासा दबाव होता है। लेकिन आप इसे नेगेटिव रूप में लेने की बजाय पॉजिटिव रूप में लें। कुमार का

कहना है कि इस दबाव को कम नहीं किया जा सकता है। यह तो आपको सजग रखता है। इसलिए प्रेशर सहने की क्षमता डिवेलप करें। इसका सबसे अच्छा उपाय है इंस्टीट्यूट या घर पर एग्जाम के पूर्वाभ्यास को पूरी गंभीरता से लें। यह काम आप जितनी गंभीरता से करेंगे, प्रेशर उतना कम अनुभव होगा। धीरे-धीरे प्रेशर लेने की क्षमता और इच्छाशक्ति डिवेलप होगी और आप परीक्षा के दिन आसानी से दबाव की चुनौती पर जीत हासिल कर लेंगे।