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IIT-Kharagpur ranked top varsity in India, finds survey

IIT Bombay also figures in QS Employability ranking of 100 universities in the world

Kolkata: For the second time in a row, IIT Kharagpur has been ranked as the top institution in the country by QS Employability Ranking, with IIT Bombay also figuring in the list of top 100 universities in the world.

The IIT Kharagpur has been ranked in the range of 71-80, the highest position among Indian institutions, out of 200 universities from across the world.

IIT Bombay, ranked next to IIT Kharagpur, is the only other institution from India to have been ranked among the top 100.

Other Indian institutions among the top 200 are IIT Madras, IIT Delhi and University of Delhi, QS Employability Ranking survey said.

IIT-Kharagpur, which awards degrees to nearly 2500 students annually, maintains a successful track record of placement for students from the graduating batches

enrolling for campus placement.

It has been ranked exceptionally well in the survey on parameters of graduate employability rate and employers' presence in the campus.

The other parameters are employer reputation which is based on a survey conducted with employers opting for campus recruitment, alumni outcomes or performance of alumni and partnerships with employers, it said.

The top three universities ranked globally in the survey are Stanford University, Massachusetts Institute of Technology and Shinhwa University of China.

IIT Kharagpur has been ranked among the peers such as Georgetown University, Lancaster University, Pennsylvania State University, Queensland University of Technology, University of Illinois, Chicago and University of Liverpool, it added. —PTI



Other Indian institutions among the top 200 are IIT Madras, IIT Delhi and University of Delhi

Dainik Jagran ND 24.11.2016 P-10

टॉप 200 में आइआइटी दिल्ली

कोलकाता : भारतीय प्रौद्योगिकी संस्थान (आइआइटी) खड़गपुर लगातार दूसरी बार अंतरराष्ट्रीय सर्वे में भारतीय संस्थानों में टॉप पर रहा है। क्यूएस एंजलाएबिलिटी रैंकिंग में आइआइटी बांबे ने भी दुनिया के टॉप 100 विश्वविद्यालयों की सूची में स्थान पाया है। आइआइटी खड़गपुर ने 71-80 रैंज में रैंक प्राप्त किया है। यह विश्व के 200 विश्वविद्यालयों में भारतीय संस्थानों में से टॉप पर रहा। क्यूएस एंजलाएबिलिटी रैंकिंग सर्वे के अनुसार टॉप 200 संस्थानों में आइआइटी दिल्ली तथा यूनिवर्सिटी ऑफ दिल्ली भी शामिल है।

Hindustan Times ND 24.11.2016 P-21

Core engineering, data analytics top job drivers at IITs this year

Rozelle Laha

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NEWDELHI: Core engineering and data analytics firms will offer most jobs during the final placements across the Indian Institutes of Technology (IITs), scheduled to start from December. Graduates at these premier institutes can also expect better salaries, compared to last year.

Data analysts, financial management, business analytics, core engineering, and core research and development are among the most sought-after profiles.

“At IIT Roorkee, 50% of the companies are looking for software engineer, while 10% are offering data analytics roles,” said professor NP Padhy, in charge of training and placement.

At IIT Guwahati, the demand is high for software developers and coders. “More than 160 com-

DATA ANALYSTS, BUSINESS ANALYTICS, CORE RESEARCH AND DEVELOPMENT ARE THE PROFILES THAT ARE MOST IN DEMAND

panies have registered at IIT Guwahati so far, out of which 60% are offering software development roles. They hire students with expertise in coding,” said professor Kaustubha Mohanty, head, Centre for Career Development.

While at IIT Kharagpur, most profiles on offer are in machine learning, information technology, data analytics and software profiles. At IIT Bombay, core engineering profiles are popular among recruiters.

At a few IITs, more data analytics firms have signed up this year. “Data analytics roles on

offer this year are almost three times more than last year,” said professor Padhy.

Without disclosing any details, professor Deb, too, said that data analytics vacancies had come up in all major companies.

“Students across IITs, are looking for stable jobs, they are ready to join established traditional companies even if the package is slightly low as compared to fairly new companies,” said professor Mohanty, who is also the convener of the All IIT Placement Committee, the panel responsible for campus hiring at all IITs. “The salary on offer has gone up marginally, by about five to 10% this year.”

IIT officials are also expecting PSUs to roll out offers this year as the Madras HC dismissed the plea in September 2015 that prevented public sector undertakings to recruit candidates directly from IITs.

IIT-B has come up with hydrogels mimicking natural brain tissue to cure Parkinson's disease via stem cell therapy

<http://www.freepressjournal.in/indore/indore-national-academic-depository-to-be-operational-24x7-for-academic-awards/976784>



BENGALURU: After working for five years, a team of three from department of Biosciences and Bioengineering (BSBE) at Indian Institute of Technology (IIT), Bombay and IITB-Monash Research Academy has designed smart amyloid based hydrogels that are able to guide stem cell to differentiate to neuron and successfully transplanted these stem cells in the brain of Parkinson's disease (PD) animal models with unique amyloid hydrogels.

While Parkinson's disease that is caused due to progressive degeneration of dopaminergic neuron in a specific region of brain has no permanent cure and the present treatment only provides a symptomatic relief, does not reverse the disease progression and patients often stop responding to drug treatment after multiple shots are applied, stem cell based therapy have a huge potential in curing the disease, found out the researchers.

"Stem cells could be suitably implanted and differentiated into the specific class of functional neurons to replenish the degenerated ones inside the brain. The newly developed neurons will not only stop disease progression but also cure the patient. However, in practice the implanted stem cells must survive in the diseased brain condition and develop or differentiate to neurons at the transplanted site. This can completely cure Parkinson's disease," said Professor Samir K Maji, one of the lead researchers from BSBE department.

Speaking about stem cell therapy as a long term, cost effective cure to Parkinson's disease, Subhadeep Das from IITB-Monash Research Academy, another researcher, said: "At the present day, there is no cure for Parkinson's disease. Stem cell based treatment could potentially provide a long-term solution in curing the disease. Current patient care and medicines for treatment are very expensive. At the current stage, we are not in a position to compare cost; however, we believe that stem cell based treatment could be much more cost effective compared to expenses incurred in current treatments and care of Parkinson's patient as it provides a long term solution. Moreover, as stem cell therapy can possibly cure the disease to the cause and recovery of patients is expected to be much faster and effective than just symptomatic relief."

While Parkinson's disease is one of the most common neurological disorders among geriatric population characterized by neuro-degeneration in specific brain area leading to gradual decline in normal body movements, muscle controls, posture and cognitive processes to which stem cell therapy can provide complete cure, few major challenges need to be resolved for an effective therapy stem cells can provide, say the researchers. The newly designed amyloid based hydrogels are the solution they have come up with.

Reeba S Jacob from IIT-B, said: "Factors hindering stem cell therapy for Parkinson's disease include extremely low cell survival upon transplantation and aberrant migration of cells into other parts of the brain. Our solutions to the above problems were development of a suitable biomaterial that can provide a unique micro environment to the transplanted cells such that they are able to survive and develop into neurons. For the last few years, we are working on designing biomaterials which can be used as a suitable vehicle as well as substrate for stem cell transplantation and differentiation into neurons for replacing the damaged neurons in patients' brains."

"Using an interdisciplinary approach, we have designed smart biomaterials (hydrogels) using small peptides (fragments of proteins) self-assembled into nano-fibers. These hydrogels mimic the natural brain tissue and can be used to transplant human stem cells into brain to facilitate neuron regeneration in neurodegenerative diseases like Parkinson's disease," she added.

"Being biodegradable, these hydrogels get naturally metabolized in the brain once their purpose is served. We already have the preliminary proof that these hydrogels do not elicit a high immune response and are within tolerance level both in neuronal cell lines and in animal models. We have also successfully transplanted stem cells into PD animal model with this hydrogel and assessed the fate of those transplanted cells. The gel substantially improves the survival of the implanted stem cells in the diseased brain environment and promotes their development towards neurons," said Professor Maji.

He added: "However, we are yet to know whether these nascent neurons would be integrated to the existing neural

circuit of the brain. Currently we are performing long-term experiments, where the implanted stem cells would be present for a much longer time period (4-6 months) to assess the fate of those cells." Hydrogels can be delivered into brain with minimally invasive surgery.

A key advantage to these hydrogels is that they can be delivered into the brain with minimally invasive surgery. Engineering a complex tissue like that of a brain comes with a lot of challenges and we have miles to go before we can completely mimic the tissue, structurally and functionally. However, development of biocompatible scaffolds that support cells and help in successful cell transplantation gives a strong foundation to build upon, that can eventually make stem cell therapy for neurodegenerative diseases a reality.

Professor Samir K Maji, Biosciences and Bioengineering department at IIT-Bombay, lead researcher.

Dainik Bhaskar ND 24.11.2016 P-7

नोटबंदी का असर आईआईटी के कामकाज पर, मांगी ज्यादा निकासी की अनुमति

आईआईटी, खड़गपुर ने धन की साप्ताहिक निकासी की सीमा को बढ़ाने के लिए मानव संसाधन विकास मंत्रालय को पत्र लिखा है। वर्तमान में केंद्र सरकार ने साप्ताहिक निकासी सीमा 50 हजार रुपए निर्धारित की है। संस्थान के अनुसार विभिन्न प्रकार के कामों के लिए हर सप्ताह लगभग 2 लाख रुपए की जरूरत पड़ती है। संस्थान की कार्यप्रणाली को पूरी तरह से कैशलेस साधनों के माध्यम से संचालित नहीं किया जा सकता है। इस स्थिति को देखते हुए संस्थान को सप्ताह में ज्यादा निकासी करने की अनुमति प्रदान की जाए। यूनिवर्सिटी और शिक्षण संस्थानों की समस्या की तरफ ध्यान आकर्षित करने के लिए एमएचआरडी जल्द वित्त मंत्रालय को पत्र लिख सकती है। फिलहाल यह तय नहीं है कि मंत्रालय सभी संस्थानों या फिर केवल केंद्र सरकार से सहायता प्राप्त संस्थानों को ज्यादा निकासी की सुविधा देने के लिए पत्र लिखेगा। संस्थान में 40 एकेडमिक यूनिट हैं, जिसमें छात्रों, शिक्षकों और अन्य को मिलकर लगभग 20 हजार लोग हैं।

Hindustan ND 24.11.2016 P-5

जेईई मेन-2017 के लिए आवेदन 1 दिसंबर से शुरू

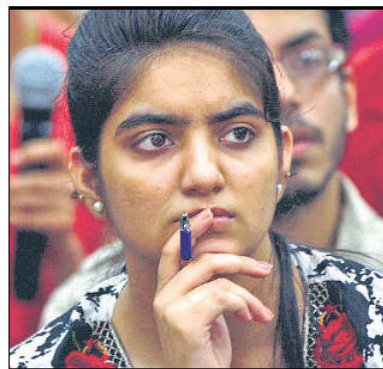
तैयारी

नई दिल्ली | वरिष्ठ संवाददाता

संयुक्त प्रवेश परीक्षा (जेईई) मेन-2017 के लिए 1 दिसंबर से ऑनलाइन आवेदन शुरू होंगे। इच्छुक उम्मीदवार जेईई मेन की वेबसाइट www.jeemain.nic.in के माध्यम से 2 जनवरी तक आवेदन कर सकते हैं। आवेदन शुल्क 3 जनवरी तक जमा किया जा सकेगा। इस परीक्षा का आयोजन केंद्रीय माध्यमिक शिक्षा बोर्ड (सीबीएसई) करता है।

सभी राष्ट्रीय प्रौद्योगिकी संस्थानों (एनआईटी), भारतीय सूचना प्रौद्योगिकी संस्थानों (आईआईआईटी) और केंद्र सरकार के वित्त पोषित संस्थानों में जेईई मेन के आधार पर ही बीटेक या बीई में प्रवेश लिया जा सकता है। इसके अलावा आईआईटी के स्नातक इंजीनियरिंग पाठ्यक्रमों में प्रवेश के लिए भी यह परीक्षा देनी आवश्यक है। जेईई एडवांस के लिए जेईई मेन पात्रता परीक्षा होती है। जेईई मेन-2017 का आयोजन 2 अप्रैल को किया जाएगा।

आवेदन के लिए आधार जरूरी: इस बार जेईई मेन के लिए आवेदन करने के लिए उम्मीदवार के पास आधार कार्ड होना आवश्यक है। जेईई मेन के लिए



वेबसाइट पर विस्तृत जानकारी मिलेगी

जेईई मेन परीक्षा, पाठ्यक्रम, परीक्षा शुल्क, परीक्षा केंद्र, पात्रता का राज्य कोड, आयु में छूट, प्रवेश के लिए पात्रता, आरक्षण नीति, महत्वपूर्ण तिथियों आदि की जानकारी एक दिसंबर को जेईई मेन की वेबसाइट पर उपलब्ध होगी।

दिल्ली के चार विश्वविद्यालयों में जेईई मेन से प्रवेश

जामिया मिल्लिया इस्लामिया, दिल्ली प्रौद्योगिकी विश्वविद्यालय, इंदिरा गांधी दिल्ली प्रौद्योगिकी महिला विश्वविद्यालय, नेताजी सुभाष प्रौद्योगिकी संस्थान और इंद्रप्रस्थ इंस्टीट्यूट ऑफ इंफॉर्मेशन टेक्नोलॉजी में जेईई-मेन की रैंक के आधार पर ही प्रवेश दिया जाता है।

ये राज्य भी दाखिला देते हैं: गुजरात, मध्य प्रदेश, हरियाणा, उत्तराखंड, नगालैंड और ओडिशा जेईई मेन के आधार पर ही अपने संस्थानों में प्रवेश देते हैं।

अलग-अलग है पात्रता: जेईई मेन और एडवांस के लिए पात्रता मापदंड अलग होते हैं। उम्मीदवार जारी बुलेटिन के आधार पर पात्रता सुनिश्चित कर लें।

आवेदन करने वाले उम्मीदवारों को वेबसाइट पर अपना आधार नंबर, नाम, जन्मतिथि और लिंग डालना होगा, जिसका आधार के डाटा से मिलान किया जाएगा। यदि मिलान यूआईडीएआई से नहीं होता है तो फॉर्म नहीं भरा जाएगा। **आधार में विवरण सुधारें:** सीबीएसई की ओर से आवेदन करने के इच्छुक

उम्मीदवारों को सलाह दी गई है कि वे आवेदन करने से पहले आधार कार्ड में अपने विवरण को स्कूल अभिलेखों के अनुरूप सुनिश्चित कर लें। यदि इन विवरणों में कोई विसंगति है तो उम्मीदवार अपने आधार डाटा या स्कूल अभिलेखों में तुरंत सुधार करा लें। अन्यथा उनका फार्म अस्वीकार कर दिया जाएगा।

Nai Duniya ND 24.11.2016 P-12

आईआईआईटी दिल्ली ने सहेजा कंप्यूटर का इतिहास

नई दिल्ली। ब्यूरो

2भारत में कंप्यूटर साइंस के भूतकाल से वर्तमान तक का सफर यदि किताबों के माध्यम से जानना है तो इंद्रप्रस्थ इंस्टीट्यूट ऑफ इंफॉर्मेशन टेक्नोलॉजी दिल्ली (आईआईआईटी दिल्ली) का रुख किया जा सकता है। भारत के इतिहास में पहली बार इस संस्थान ने कंप्यूटर साइंस आधारित किताबों का एक ऐसा संग्रह तैयार किया है, जो अपने आप में अद्वितीय है। दावा है कि इस संग्रह में 100 ऐसी किताबें हैं, जो अपने समय की विभिन्न कंप्यूटर तकनीकों पर आधारित हैं।

60 साल पुरानी बात

मालूम हो, भारत में कंप्यूटर तकनीक की शुरुआत 1950 में हुई थी और 1955 से यहां कुछ वैज्ञानिकों व इंजीनियर ही इसके बारे में जानते थे। लेकिन आज भारत में करीब 24 लाख लोग कंप्यूटर से संबंधित रोजगार से जुड़े हैं। इस तरह संस्थान ने भारत में कंप्यूटर के करीब 60 साल के सफर को संजोने का काम किया है। आईआईआईटी दिल्ली के निदेशक पंकज जलोटे ने बताया कि हमने भारत में कंप्यूटर साइंस के इतिहास से जुड़ी

भारतीय लेखकों द्वारा लिखी किताबों को किया एकत्र

ऐसी करीब 8000 किताबों का संग्रह तैयार किया है जो इसकी विकास यात्रा को प्रदर्शित करती है। इनमें डॉ. वी. राजारामन, डॉ. कृष्णामूर्ति और ऐसे ही अन्य कई प्रमुख लेखकों की किताबें प्रमुख रूप शामिल हैं। ऐसी किताबें जिन्होंने भारत में तकनीकी विकास के क्षेत्र में अहम भूमिका निभाई है।

शोधार्थियों के लिए उपयोगी

कंप्यूटर साइंस से जुड़ी यह किताबें उन शोधार्थियों के लिए बेहद उपयोगी हैं, जो भारत में कंप्यूटर साइंस के इतिहास का अध्ययन करना चाहते हैं। तकनीक से जुड़े इस संग्रह को लेकर आईआईआईटी दिल्ली ने अपनी वेबसाइट पर ऑनलाइन उपलब्ध कराया है। यानी आप आसानी से ऑनलाइन जान सकते हैं कि आपको कौन-कौन सी किताबें यहां मिल सकती हैं।

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Body of missing IIT aspirant found in Kota river

Kota: Body of a 16-year-old student from Bihar's Muzaffarpur district, who was preparing for IIT entrance examination here and has been missing since November 19, was found this morning from Chambal River.

Aashish Satyam, son of Sadu Charan Shaha, had gone missing from his rented accommodation and his body was found floating in the river near Govindham under Jhawaharnagar police station, said OP Sharma, the investigating officer (IO) and SI at Jhawaharnagar police station.

The body was fished out and handed over to family members after post-mortem, he said. Sharma said Satyam left a suicide note in his room which is addressed to his father.

He has written in the purported suicide note that he was taking the extreme step due to study stress, the IO said.

Satyam had been taking coaching at an institute here for around one-and-a-half year and was staying at a rented accommodation with one of his friends in Talwandi area of the city, the SI said.

He said, on November 19, a missing persons report was filed and Satyam's parents were informed. He said a case under relevant sections has been lodged in this connection, he said.

Around 1.75 lakhs students from across the country come to Kota every year to take coaching for entrance in engineering and medical colleges. **-PTI**

Indore: National Academic Depository to be operational 24×7 for academic awards

<http://www.freepressjournal.in/indore/indore-national-academic-depository-to-be-operational-24x7-for-academic-awards/976784>

Indore: National Academic Depository (NAD), a digital depository of academic awards constituted by the Central government, would be operational 24×7.

In a letter addressed to vice chancellors and directors of institutes of national importance and IIMs, UGC secretary Jaspal S Sandhu said: “NAD will be an online store house of academic awards such as degrees, diplomas, certificates, mark-sheets, etc lodged by the academic institutions/boards/eligibility assessment bodies in a digital format. It will be on 24×7 online mode for making available academic awards and shall help in validating their authenticity, their safe storage and easy retrieval.”

In its endeavour to bring administrative and academic reforms in the field of education through the use of information technology for delivery of efficient services to all stakeholders, the Centre established NAD on the pattern of securities depository.

“This is one of the steps towards Digital India vision of the Prime Minister which would be incomplete without the active participation of the academic institutions,” Sandhu said in the letter.

NAD would comprise of two interoperable digital depositories namely NSDL Database Management Limited (NDML) and CDSL Ventures Limited (CVL). These digital depositories would keep the academic awards in the digital format and ensure data integrity.

The Union government has designated the University Grants Commission (UGC) as an authorised body to enter into a tri-partite agreement, initially for a period of three years for the purpose of establishment of NAD.

In turn, the UGC directed academic institutions/boards/ eligibility assessment bodies to select either NDML or CVL for entering into legally enforceable agreement between them and the selected depository for utilizing the services of NAD.

“Model service level agreement which may be entered by the academic institution with the selected depository for on-boarding on NAD will be provided by the concerned depository,” the UGC letter states.

Since the Centre has approved the establishment and operationalisation of NAD, institutions of higher learning have to enter into a service level agreement with either of the depositories for boarding on to NAD. To facilitate the implementation of NAD, the institutions have been advised to designate nodal officers and set up a NAD cell immediately under intimation to UGC.

New Director for IIM Nagpur soon

<http://www.nagpurtoday.in/new-director-for-iim-nagpur-soon/11231800>

Nagpur: It seems that Indian Institutes of Management (IIM) Nagpur will soon get its new director as interviews for the post in six IIMs have been completed.

“The process of interviews for the post of director in IIMs Nagpur,Ranchi, Bengaluru, Sambalpur, Rohtak and Raipur has been completed and the search cum selection committee has already recommended panel of names for each of the aforesaid IIMs,” a senior official from Human Resources Development Ministry (HRD) said.

Interviews for Director’s post in two more IIMs – Kozhikode and Udaipur, will be conducted soon and an advertisement in this regard has already been published.

The HRD Ministry forwards these names to the Appointment Committee of Cabinet (ACC) which will take the final decision.

The ministry officials clarified that the process of filling of posts in many IIMs are in advanced stages after it had emerged that the post of director in 13 IIMs are lying vacant.