

Newspaper Clips August 24, 2016

Pioneer ND 24/08/2016 p-5

IITs to augment intake capacity

PNS ■ NEW DELHI

The Council of IITs on Tuesday gave 'in principle' approval to add more seats to their BTech, MTech and research programmes and take the premier engineering institutes' students' strength to one lakh over the next three years.

HRD Minister Prakash Javadekar said according to the proposal, which was approved at the meeting of the IIT Council — the highest decision-making body of the premier institutions — on Tuesday, the IITs will be expected to add close to 4,000 new seats across all BTech programmes, from the current 10,560 to close to 14,000 seats by 2020. At present, there are close to 72,000 students in all the 23 IITs.

The Council members of all 23 Indian Institutes of Technology (IITs) met the HRD Minister and charted out their next growth path including planning a strategy to break into the top 100 global university rankings.

"The institutes will also have to increase the number of seats in MTech and PhD programmes to achieve the strength of one lakh," Javadekar said. If approved, this move will result in the biggest increase in seats across IITs since the OBC

quota was implemented.

"To achieve this, the IITs will have to waive off the condition, which makes students stay compulsorily on campus. The institutes will depend on admitting more non-resident students," said the director. Currently, all students of IITs have to stay on campus.

The Council also considered a new project titled 'Vishwajeet' which proposes to assist IITs, especially the top seven—Delhi, Bombay, Kanpur, Kharagpur, Madras, Roorkee and Guwahati—to reach the top 100 in Global University ranks by 2018 and top 50 by 2020. This project will pro-



vide these institutes additional support and funds.

Currently, only one IIT has made it to the top 200 in one of the global university rankings. IIT-Delhi was ranked 179 and

Indian Institute of Science (IISc) Bangalore was ranked 147 in the Quacquarelli Symonds' (QS) list of top 200 universities globally last year. QS is a UK-based global ranking agency.

My statement blown out of proportion: Javadekar

PNS ■ NEW DELHI

Facing flak over his statement regarding the hanging of some freedom fighters, HRD Minister Prakash Javadekar on Tuesday clarified that he was in fact respect to the freedom fighters and there was a pause between the leaders who were hanged by Britishers and rest of them which include Pandit Jawahar Lal Nehru. Javadekar stated that while he was talking about how the British dealt with

icons of Indian freedom struggle, he was amused by the way his statements blown out of proportion.

Clarifying his remarks in a series of tweets, Javadekar said, "I am amused with the news. I paid my respect to all the freedom fighters since 1857. "I mentioned leaders like Gandhi, Nehru, Subhash Bose. It was a full stop. In the next sentence I recounted those who were hanged, jailed and suffered at the hands of the British. "There was no confu-

sion in the minds of those who listened. I hope this removes all confusion."

In a video of his comments in Chhindwara (Madhya Pradesh), which went viral, Javadekar is heard saying, "Subhas Chandra Bose, Sardar Patel, Pt Nehru, Bhagat Singh, Rajguru sabhi phaansi par chadhe (all were hanged)". These comments gave an impression that, like Bhagat Singh and Rajguru, Nehru and Patel were also hanged by the British.

Millenium Post ND
24/08/2016 p-5

IITs to have non-resident students soon

MPOST BUREAU

NEW DELHI: IITs have decided to increase the number of seats in various courses for admitting "non-resident students" with an aim to take their total intake to one lakh by 2020.

According to senior officials, in a meeting of the IIT Council headed by HRD Minister Prakash Javadekar today, "in-principle" approval was given to the proposal for admitting non-resident students.

The authorities of different IITs will now undertake an exercise to fix the number of additional students they can accommodate.

"At present, the IITs have around 72,000 students in their undergraduate, postgraduate or doctorate courses which are residential. However, it is now planned that students, who will not stay in hostels, should be admitted to these institutes," an official said.

The plan is to increase the number by 10,000 per year



so that the number of IITians touches 1 lakh by 2020, the official said, suggesting that ideally there would be an increase of 4,000 seats in undergraduate courses and 6,000 seats in postgraduate and Ph.D seats, an official said.

Speaking after the meeting, Javadekar announced that the IIT Council has also approved a proposal to introduce the Prime Minister's Research Fellowships.

The move aims at encouraging IITians passing out of B.Tech to enroll in Ph.D courses straightaway.

Another decision taken by the council is to introduce an induction course to help new students adjust as they join these institutes after a rigorous competitive examination.

Indian Express ND
24/08/2016 P-8

IITs to raise seats to 1 lakh, take in non-resident students too

EXPRESS NEWS SERVICE

NEW DELHI, AUGUST 23

THE IITs agreed Tuesday to add more seats to their undergraduate and postgraduate programmes to increase their student strength to one lakh over the next three years. The proposal was approved "in principle" during the meeting of the IIT Council chaired by HRD Minister Prakash Javadekar. Currently, close to 72,000 students study in 23 IITs.

"The IITs have been asked to go back and decide how many seats they can start adding from next year based on their available resources like faculty and classrooms. They collectively aim to add 4,000 BTech seats each year till 2020 and 6,000 MTech and research seats each year over the next three years," said a ministry official, who did not wish to be named.

To achieve this, the IITs will have waive the condition that makes students stay compulsorily on campus. In other words, the institutes will depend on admitting more non-resident students.

The engineering schools will also launch 'PM Research Fellowship' for around 1,000 students completing their BTech course at the IITs. Under this programme BTech students will register for PhD immediately after finishing their course. Calling IITs "modern temples", Javadekar said the scheme will help reverse the brain drain as students will have research options within the country.

The government's proposal to provide additional funding to the seven oldest IITs to improve their performance in global rankings was also discussed at Tuesday's meeting but a decision was put off. "This needs to be discussed further," Javadekar said.

Another decision taken by the council is to introduce a three-week induction course to help new students adjust as they join these institutes after a rigorous competitive examination.

Financial Chronicle ND 24/08/2016

P-10

IITs must focus on socially relevant R&D: IIT-H head

PRESS TRUST OF INDIA

Hyderabad

HAVING carved a niche for itself through its academic excellence, the Indian Institutes of Technology should now focus on research and development that impacts society, similar to what institutions like MIT in the US is doing, says IIT Hyderabad director UB Desai. "Now we (IITs) have to make our name in R&D," he said.

The world today recognises and people talk about institutions like MIT, Stanford and Berkeley because of their technological contributions that have impacted society, and not because of academic programmes, he said.

"The thrust in IITs should be technological innovations and scientific research which can impact society. We have become very good at education. We have done a great job. (Now) that (focus on R&D) has to be the pri-

New focus

■ Six more IITs becoming operational would not 'dilute' the brand of IITs, Desai said

■ The thrust in IITs should be technological innovations and scientific research

■ To achieve the R&D goal, some innovation in academics would be required, he said

mary goal," Desai said.

To achieve that goal, some innovation in academics would be required, he said, adding different universities in the US are doing so realising "pedagogy and paradigm that was there 40-50 years ago needs an overhaul because of aspirations of the youth entering these institutions and universities".

"They (students) are coming with lot of technolo-

gy at their fingertips. They have grown up with all kinds of technology gadgets, not just laptops and tablets. When these kids enter (institutes like MIT and IITs), they come with different aspirations. "We need to innovate pedagogy to make sure that the students' aspirations and the challenges that they want to tackle are made available to him," Desai said.

Six more IITs becoming operational would not 'dilute' the brand of IITs, the IIT-H director said.

Pointing to the demand, Desai said about 1.4 million students try to get into engineering graduation in India each year, with an overwhelming section dreaming to join IITs, which have only around 10,000 seats.

Noting that old IITs took 20-25 years to get major recognition mainly through their alumni, he said the new ones need a similar timeframe to earn a name.

Hindustan Times ND 24/08/2016 P-1

IITs to admit day scholars, allow PhD enrolment right after BTech

Neelam Pandey

neelam.pandey@hindustantimes.com

NEW DELHI: The IITs will open their doors for "non-resident" students, with a goal to increase their number of seats to 100,000 by 2020.

The country's top tech institutes have around 72,000 students in their undergraduate, postgraduate and doctorate courses, and all of them stay in hostels. But the IIT Council, the highest decision-making body of the institutes, decided on Tuesday to admit day scholars who can study from home or stay in a rented place outside the campus.

Another aim is to put research on the forefront, for which students will be allowed to do a PhD right after BTech, deviating from the practice of permitting only

COMING SOON

- **Prime Minister's Research Fellowship** for select students graduating from the next academic year. Fellowship of ₹60,000 per month will be awarded to 1,000 students who take up research
- **Admission to 30,000 non-resident students** in the next three years. Currently, hostel stay is mandatory
- **Three-week induction programme** that will allow freshers to adapt to the new environment and take language and creative arts courses
- **Pilot run of a voluntary national aptitude test**, which won't have a bearing on the JEE exams
- **Project Vishwajeet** to help IITs break into top 100 of global rankings by 2018

postgraduates to do doctorate programmes.

Besides, a prime minister's fellowship of ₹60,000 a month for five years will be given to around 1,000 students to do research in IITs.

"IITs are our modern tem-

ples. Bright IITians prefer to go abroad to do research because they get fellowships and better facilities," said human resource development minister Prakash Javadekar, who presided over the meeting.

CONTINUED ON PAGE 6

IITs to admit day scholars, allow PhDs after BTech

"We want to provide facilities in IITs so that research could be carried out in India. We want to convert brain drain into brain gain," Javadekar said.

The plan is to increase the number of seats by 10,000 a year until 2020 by admitting non-resident students. Ideally, there would be an increase of 4,000 seats in undergraduate

courses and 6,000 in postgraduate and PhD seats.

The 23 IITs in the country will assess their infrastructure and faculty strength to decide how much more students they can admit without stressing resources.

Officials said a number of students will be allowed to study as day scholars, without hostel accommodation. Such students will have to find accommodation outside the campus, or travel from home if their institute is located in their hometown.

"This is something that is being worked out whether we will be able to arrange something for them or have tie-ups with paying guest accommodations, or students will be asked to take care of their stay," an official said.

Javadekar promised a drive to fill up teacher vacancies so that an increase in the number of students doesn't affect the quality of teaching.

Another decision taken by the council is to introduce a three-week induction course to allow students to adapt to their new environment, take up courses on languages and creative arts, and bond with classmates as well as faculty members. Classes will commence only after the induction course.

The IIT Council has also approved a pilot run of a national aptitude test, which will be voluntary in nature and will not have a bearing on engineering admissions.

To improve their stature, the council cleared a project in which seven IITs — Delhi, Bombay, Kanpur, Kharagpur, Madras, Roorkee and Guwahati— will be assisted to help break into the top 100 universities in the global university ranking by 2018. At present, no IIT features on the list.

Dainik Bhaskar ND 24/08/2016

P-5

स्टूडेंट-टीचर रेशो के वैश्विक मानकों को पूरा करने के लिए 2500 शिक्षकों की जरूरत

फिलहाल आईआईटी में स्टूडेंट टीचर रेशो 10 करने के लिए करीब 2500 अतिरिक्त शिक्षकों की आवश्यकता है। आने वाले समय में स्टूडेंट टीचर रेशो की समस्या और भी बढ़ सकती है, क्योंकि मानव संसाधन विकास मंत्रालय 2020 तक आईआईटी संस्थानों में अतिरिक्त 30 हजार ऑफ कैम्पस छात्रों को प्रवेश देने की योजना बना रहा है। फिलहाल आईआईटी संस्थानों में 72 हजार छात्र पढ़ते हैं और 30 हजार अतिरिक्त छात्रों के बाद इनकी संख्या 1 लाख से ज्यादा हो जाएगी। यदि 2020 तक यह प्लान लागू कर दिया जाता है, तो आईआईटी संस्थानों को स्टूडेंट टीचर रेशो 10:1 करने के लिए करीब 5 हजार अतिरिक्त शिक्षकों की आवश्यकता होगी। अनिल काकोडकर कमेटी के सुझावों के अनुसार आईआईटी संस्थानों में छात्रों की संख्या 1 लाख 60 हजार के करीब और टीचिंग फैकल्टी की संख्या 16 हजार होनी चाहिए।

सबसे खराब स्टूडेंट-टीचर रेशो है आईआईटी वाराणसी में, 557 में से 324 पद खाली

आईआईटी संस्थानों में सबसे खराब स्टूडेंट-टीचर रेशो आईआईटी, बीएचयू का है। आईआईटी, बीएचयू में स्टूडेंट टीचर रेशो 22 है। वर्ल्ड रैंकिंग में टॉप 500 में शामिल आईआईटी बॉम्बे में स्टूडेंट-टीचर रेशो 14 है और आईआईटी दिल्ली में 16 है। इसके अलावा आईआईटी खड़गपुर में स्टूडेंट टीचर रेशो 19, आईआईटी रुड़की में 17, आईआईटी कानपुर में 16 है। 2015 के डेटा के अनुसार आईआईटी खड़गपुर में 1069 स्वीकृत पदों में से 490, आईआईटी रुड़की में 820 में से 360, आईआईटी दिल्ली में 776 में 341, आईआईटी बीएचयू में 557 में 324 पद खाली हैं।

विभिन्न आईआईटी संस्थानों में रिक्त पद

संस्थान	प्रस्तावित पद	खाली पद
आईआईटी खड़गपुर	1069	490
आईआईटी बॉम्बे	904	284
आईआईटी कानपुर	648	246
आईआईटी मद्रास	800	234
आईआईटी गुवाहाटी	494	138

फरीदाबाद के सपूत ने मेट्रो से 20 फीसदी सस्ती ट्रेन बनाई

कैटरपिलर ट्रेन

नई दिल्ली | हिन्दुस्तान टीम

भारतीय रेल इंजीनियर ने शहरों के रिहायशी इलाकों के लिए यातायात के नए विकल्प 'कैटरपिलर ट्रेन' का डिजाइन तैयार किया है। दावा है कि इस ट्रेन के निर्माण में मेट्रो से 15 से बीस गुना कम खर्च आएगा।

बोस्टन की मेसाचुसेट्स इंस्टीट्यूट ऑफ टेक्नोलॉजी ने इस डिजाइन को पुरस्कृत किया है। इसे लोकप्रिय व जूरी की पसंद दोनों वनों में पुरस्कार मिला। डिजाइन बनाने वाले अश्वनी कुमार उपाध्याय रेलवे से शैक्षणिक अवकाश लेकर एमआईटी से पीएचडी कर चुके हैं।



अश्वनी कुमार आईआईटी दिल्ली के छात्र

फरीदाबाद के 43 साल के अश्वनी भारतीय रेलवे यातायात सेवा में 1997 बैच के अधिकारी हैं। आईआईटी दिल्ली से पढ़ाई की। रेल अधिकारी के रूप में पटना में कार्यरत रहे। इस समय दिल्ली में रेलवे सूचना तंत्र में तैनात हैं।

100

किलोमीटर प्रति घंटे की गति

500

डिजाइन में से मिला पुरस्कार

हकीकत बनने में वक़्त लगेगा

सितंबर में एमआईटी में होने वाले वैश्विक सम्मेलन में डिजाइन को रखा जाएगा।

मेट्रो से यूं होगी सस्ती

1 कार जैसे छोटे और हल्के कोच ट्रेन में एक कोच होगा। आकार एसयूवी कार के बराबर होगा, जिसमें 20 लोग बैठेंगे। यह छोटी है, इसलिए इसके खाली चलने की आशंका भी कम होगी।

2 खंबों की जल्दत नहीं मेट्रो की तरह विशाल खंबे और कॉरिडोर की जरूरत नहीं होगी। छोटे-छोटे पोल और ट्रैक पर ही इस ट्रेन को चलाना संभव होगा।

5 घनी आबादी में चलने की क्षमता इसकी खासियत है। इसलिए यह देश के हर महानगर व बड़े शहरों के लिए उपयुक्त है, चाहे दिल्ली, वाराणसी हो या इलाहाबाद।

3 जमीन पर कम जगह घेरेंगे ट्रेन हल्की होने के चलते पोल भी जमीन पर कम जगह घेर सकते। इससे रिहायशी इलाकों में इन्हें बिछाना ज्यादा आसान होगा।

4 ट्रैक के ऊपर और नीचे ट्रेन चलेंगी सी ट्रेनों के ट्रैक के ऊपर और नीचे दोनों ओर ट्रेनें चलाना संभव होगा। यह ट्रेन बिजली से चलेगी, लेकिन आपात सेवा के लिए बैटरी भी होगी।

-अश्वनी उपाध्याय, शोधकर्ता और रेलवे अधिकारी

आईआईटी से पीएचडी कर रहे छात्र की मौत का मामला

डाक्टर को मिली क्लीन चिट, बहाल

■ कानपुर।

आईआईटी पीएचडी के छात्र आलोक पांडे की संदिग्ध परिस्थितियों में हुई मौत के बाद छात्रों के विरोध के कारण संस्थान के हेल्थ सेंटर के डाक्टर को आईआईटी की जांच कमेटी ने क्लीन चिट देते हुए पुनः बहाल कर दिया। छात्र की मौत 15 दिन पहले आठ अगस्त को हुई थी। संस्थान ने यह निर्णय आईआईटी द्वारा गठित फैक्ट फाइंडिंग कमेटी की रिपोर्ट के आधार पर लिया।

गौरतलब है कि गाजीपुर के आलोक कुमार पांडे (26) आईआईटी के मैटेरियल साइंस प्रोग्राम में पीएचडी कर रहे थे। आठ अगस्त दोपहर करीब ढाई बजे उनके कंधे और सीने में दर्द हुआ जिसका अस्पताल में प्राथमिक उपचार किया गया जिसके बाद उनकी

हालात बिगड़ने लगी तब हेल्थ सेंटर के डाक्टरों ने उसे शहर के कार्डियोलोजी सेंटर रेफर कर दिया, लेकिन शाम को उनकी मौत हो गई।

आईआईटी प्रशासन ने मीडिया को बताया था छात्र की मौत हार्ट अटैक से हुई, लेकिन आईआईटी के छात्रों और पांडेय के

जांच के लिए गठित फैक्ट फाइंडिंग कमेटी ने डाक्टर को बताया बेकसूर

साथ हास्टल नंबर चार में रहने वाले सहपाठियों का आरोप था कि उसे हेल्थ सेंटर के डाक्टर ने गलत इंजेक्शन दिया जिससे उसकी मौत हो गई। इस बात पर आईआईटी के छात्रों ने तीन दिन तक हंगामा किया उसके बाद छात्रों के दबाव में आईआईटी प्रशासन ने

डाक्टर शैलेंद्र किशोर को संस्पेंड कर दिया था। आईआईटी द्वारा जारी एक बयान में कहा गया कि इस मामले की जांच के लिए संस्थान ने फैक्ट फाइंडिंग कमेटी गठित की थी। इसमें तीन डाक्टरों के साथ दो छात्र भी शामिल थे। इस कमेटी ने आईआईटी प्रशासन को जो रिपोर्ट सौंपी है उसके मुताबिक छात्र के इलाज में आईआईटी हेल्थ सेंटर के डा. शैलेंद्र किशोर की लापारवाही नहीं थी, इसलिए उन्हें क्लीन चिट दी गई है।

फैक्ट फाइंडिंग कमेटी की रिपोर्ट आने के बाद अब उन छात्रों पर शिकंजा कस सकता है जिन्होंने छात्र पांडे की मौत के बाद हंगामा किया था। आईआईटी खड़गपुर के पूर्व डायरेक्टर प्रो. केएल चोपड़ा की अध्यक्षता में गठित पांच सदस्यीय कमेटी अब छात्रों के हंगामे के पीछे के कारणों की जांच कर रही है। ■ भाषा