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तकनीक

आईआईटी मद्रास से पढ़े युवक ने विकसित किया नया सिस्टम

इस वाई-फाई में बिजली की जरूरत नहीं

वाशिंगटन (एजेंसी)। कम्प्यूटर वैज्ञानिकों ने ऐसा वाई-फाई सिस्टम विकसित करने का दावा किया है जिसमें दस हजार गुना कम बिजली खर्च होती है। इसकी स्पीड ब्लूटूथ से 11 गुना ज्यादा है। कोशिश यह है कि यह सिस्टम इतना विकसित कर दिया जाए कि बिजली की जरूरत लगभग न के बराबर रहे।

वाई-फाई के साथ सबसे बड़ी दिक्कत अभी बिजली की ही है। अभी इस सिस्टम को चालू रखने के लिए तो बिजली की जरूरत होती ही है। इससे कनेक्ट किए जाने वाले डिवाइस की

बैटरी भी जल्दी खर्च हो जाती है और उसे बार-बार रिचार्ज करना जरूरी होता है। वाशिंगटन विश्वविद्यालय में कम्प्यूटर साइंस और इंजीनियरिंग नेटवर्क विभाग के असिस्टेंट प्रोफेसर श्याम गोलाकोटा के अनुसार, इसका समाधान हमने ढूंढ लिया है। श्याम ने आईआईटी मद्रास से बीटेक किया है।

स्पीड से जूझ रहे: इस सिस्टम को पैसिव वाई-फाई नाम दिया गया है। इस पर पिछले कुछ दिनों से काम किया जा रहा है, लेकिन इसकी क्षमता अब प्रमाणित कर दी गई है। इसी महीने होने वाली यूजनिक्स कार्यशाला में इस

बारे में पेपर प्रस्तुत किया जाएगा। इसके ट्रांसमिशन का दायरा 100 फीट तक है। अभी इसकी स्पीड 11 मेगाबिट प्रति सेकंड है। यह अधिकतम वाई-फाई स्पीड के खयाल से कम है लेकिन यह ब्लूटूथ से 11 गुना अधिक है। मेगाबाइट फाइल साइज के संबंध में होता है, जबकि मेगाबिट डाउनलोड स्पीड को लेकर होता है। एक मेगाबिट .125 मेगाबाइट के बराबर होता है।

ये होगा फायदा : कम्प्यूटर वैज्ञानिकों ने पूरे सिस्टम में कम से कम बिजली खर्च होने का पूरा बंदोबस्त किया है। इससे नेटवर्किंग पर लोड



भी कम हो गया है। इसका फायदा घर से लेकर ऑफिस तक में तो होगा ही, ऐसे वायरलेस या रेडियो संवाद में भी आसानी होगी, जहां बिजली की पहुंच बहुत कम या नहीं ही है। सामरिक प्रतिष्ठानों के खयाल से यह बड़े काम की चीज होगी।

लाई-फाई के लिए हो जाइए तैयार

आने वाले दिनों में वाई-फाई से भी आगे लाई-फाई (लाइट फाइडेलिटी) के लिए तैयारी रहिए। इस सिस्टम में बस लाइट जलाकर आप वाई-फाई का उपयोग कर सकेंगे। यह विजिबल लाइट कम्युनिकेशन टेक्नोलॉजी पर काम करेगा। इसकी गति प्रकाश वाली होगी। इसकी वर्तमान वाई-फाई से 100 गुना ज्यादा स्पीड होगी।

Dainik Jagran ND 02/03/2016

P-20

इस वाई-फाई में नहीं चाहिए बिजली

आईआईटी, मद्रास से पढ़े श्याम ने विकसित किया ऐसा सिस्टम

जागरण डेस्क, नई दिल्ली : कम्प्यूटर वैज्ञानिकों ने ऐसा वाई-फाई सिस्टम विकसित करने का दावा किया है जिसमें दस हजार गुना कम बिजली खर्च होती है। इसकी स्पीड ब्लूटूथ से 11 गुना ज्यादा है। वैसे, कोशिश यह है कि यह सिस्टम इतना विकसित कर दिया जाए कि बिजली की जरूरत लगभग न के बराबर रहे।

वाई-फाई के साथ सबसे बड़ी दिक्कत अभी बिजली की ही है। समस्या दोहरी है। अभी इस सिस्टम को चालू रखने के लिए तो बिजली की जरूरत होती ही है, इससे कनेक्ट किए जाने वाले डिवाइस की बैटरी भी जल्दी खर्च हो जाती है और उसे बार-बार रिचार्ज करना जरूरी होता है। वाशिंगटन विश्वविद्यालय में कम्प्यूटर साइंस और इंजीनियरिंग नेटवर्क विभाग के असिस्टेंट प्रोफेसर श्याम गोलाकोटा के अनुसार, इसका समाधान हमने ढूंढ लिया है। श्याम ने आईआईटी, मद्रास से बीटेक किया है।



श्याम

● ऐसे इलाकों में काम करना आसान होगा जहां बिजली की पहुंच न के बराबर

स्पीड से जूझ रहे

इस सिस्टम को पैसिव वाई-फाई नाम दिया गया है। इस पर पिछले कुछ दिनों से काम किया जा रहा है, लेकिन इसकी क्षमता अब प्रमाणित कर दी गई है। इसी महीने होने वाली यूजनिक्स कार्यशाला में इस बारे में पेपर प्रस्तुत किया जाएगा। इसके ट्रांसमिशन का दायरा 100 फीट तक है। अभी इसकी स्पीड 11 मेगाबिट प्रति सेकंड है। यह अधिकतम वाई-फाई स्पीड के खयाल से कम है लेकिन यह ब्लूटूथ से 11 गुना अधिक है। मेगाबाइट फाइल साइज के संबंध में होता है जबकि मेगाबिट डाउनलोड स्पीड को लेकर होता है। एक मेगाबिट .125 मेगाबाइट के बराबर होता है।

अब लाई-फाई के लिए होइए तैयार

आने वाले दिनों में वाई-फाई से भी आगे लाई-फाई (लाइट फाइडेलिटी) के लिए तैयारी रहिए। इस सिस्टम में बस लाइट जलाकर आप वाई-फाई का उपयोग कर सकेंगे। यह विजिबल लाइट कम्युनिकेशन टेक्नोलॉजी पर काम करेगा।

इसकी गति प्रकाश वाली होगी। इसे इस तरह समझें कि अभी वाई-फाई से इसकी स्पीड 100 गुना अधिक होगी। इसे एक फ्रांसीसी कंपनी विकसित कर रही है। पिछले हफ्ते बार्सिलोना में हुए मोबाइल विश्व कांग्रेस में उम्मीद जताई गई कि इसकी लांचिंग दो साल में हो जाएगी।

Funding released but researchers still unhappy

Gauri Kohli

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It's a mix bag (of emotions) for research scholars from across the country. The good news is that the University Grants Commission (UGC) has directed all universities to disburse fellowships under prominent schemes by March 31, 2016. However, the extension given to a UGC review committee examining government plans to scrap non-NET fellowships has also upset many scholars.

The fellowships that will be disbursed by the end of this month include the National Eligibility Test-Junior Research Fellowship, Post Doctoral Fellowships for Women, Post Doctoral Fellowships for SC/ST Candidates, BSR Fellowships in Science, Rajiv Gandhi National Fellowships for SC/ST Students, Maulana Azad National Fellowship for Minority Students and PG Scholarships to GATE/GPAT-qualified candidates. The universities have been directed to pay out of the grant already released by UGC or from their own resources which will be reimbursed (by UGC) later.

However, scholars who have been fighting a battle against government plans to scrap non-NET fellowships and want increased funding are unhappy with the two-month extension given by the human resource development ministry to a UGC review committee examining the issue. Headed by Gautam Barua, director, IIT Guwahati, the committee was set up in October last year after nationwide protests from research scholars under the #OccupyUGC movement and was expected to submit its report last month.

"Our fellow students are in jail for demanding an increase in funding. The HRD minister has been pushed on the back-foot on this issue, along with the Jawaharlal Nehru University and Rohith Vemula row, and is now



OCCUPY UGC STIR: HOW IT UNFOLDED

- Research scholars from across the country staged a series of protests in 2014 demanding an increase in the non-NET fellowships
- After wide protests, the HRD ministry had, from December 2014, enhanced the support provided to research fellowships based on NET and other prominent fellowship schemes
- After reports that the HRD ministry is proposing to do away with non-NET fellowships, students intensified their protests that lasted nearly three months and called it #Occupy UGC
- The HRD ministry formed a review committee to look into the issue in October 2015 and the committee was expected to submit its report in January 2016
- The review panel got an extension in February 2016 and will now submit its report by March 31, 2016

playing victim in order to divert attention. We have been trying to set up a meeting with the review committee to put forth our views but nothing has happened," says Shehla Rashid Shora, acting president, Jawaharlal Nehru University Students' Union, who has been at the forefront of the research scholars' campaign.

Scholars also say that the extension will add to the dilemma of new students joining the MPhil and PhD batches. "It is a big blow to students who will be joining this year. It is still not clear whether the review committee will be able to submit its report by March 31, 2016. By then, the notification for admission to the MPhil and PhD programmes at most institutions, including the IITs, Central and state universities, will be released," says Zuhail KP, president, Hyderabad Central

University Students' Union.

Research scholars also say that they are being discriminated against on the basis of NET and non-NET fellowships. "The term non-NET fellowships is ambiguous. It should be called non-JRF (junior research fellowship). The extension given to the review committee is a mere attempt to put the issue on the backburner," says Vikash Swarup, researcher at Allahabad University.

Junior research fellows receive, for the first two years ₹25,000 per month and 30% house rent allowance (HRA) as well as a contingency grant for each year. Senior research fellows receive, for three years, ₹28,000 per month, 30% HRA and a contingency grant for each year. Non-NET fellows receive only monthly grants of ₹5,000 for MPhil and ₹8,000 for PhD.

Decks cleared for construction of IIM campus in Amritsar

<http://www.tribuneindia.com/news/punjab/decks-cleared-for-construction-of-iim-campus-in-amritsar/203479.html>

Decks have been cleared for the construction of permanent campus of the IIM in Amritsar. The process of transferring the ownership rights of the designated plot to the IIM's Society name has gained momentum.

Confirming this, Minister for Higher Education Surjit Singh Rakhra said with the process on its last leg, the civil work of the IIM building would start soon. "By March 10, the land will be transferred in the name of the IIM Society. This would be followed by the civil work that would be done by the Central Public Works Department," he said.

Earlier, the foundation-laying ceremony was expected to be performed in July by Union Finance Minister Arun Jaitley during his visit here but could not be executed as neither the land was registered nor the IIM's society was constituted.

Now that the Ministry of Human Resource Development (MHRD) has already registered the IIM society, there wouldn't be any hurdle in getting papers made on behalf of the society. The society comprises nine members, a majority of them from the Department of Higher Education, Ministry of Human Resource Development.

Amritsar Development Authority's chief administrator Sandeep Rishi said. "There is no technical hitch now. The land was purchased at a cost of Rs 1.25 crore per acre from a private owner. We have got the land registered in the name of the Punjab Government. Now, it requires the government's approval to transfer its rights to the IIM Society," he said.

The IIM-Amritsar campus was proposed to come up at a 60-acre site near Manawala on the Amritsar-Jalandhar GT Road.

The site is located just 4.5 km from the city limits, 7 km from the ISBT, and 8.5 km from the railway station, making it easily approachable — the factor that was the most crucial for the Centre's selection committee.

At present, the site has been levelled and demarcated with concrete pillars.

The project cost is estimated to be around Rs 900 crore. The initial instalment of Rs 5 crore specified for the boundary wall of the campus has already been received by the IIM Society. Officials said the Central Public Works Department would be entrusted with the task of carrying out the civil job.

Thereafter, there would be a global tendering, inviting proposals from architects for designing the upcoming IIM building.

The IIM officially commenced operations from its temporary campus in Amritsar on August 6. The makeshift campus is located on the Punjab Institute of Technology premises near the Guru Nanak Dev University.

Transfer of land ownership under way

The process of transferring the ownership rights of the designated plot to the IIM's Society name has gained momentum. By March 10, the land will be transferred, which would be followed by the civil work, said Minister for Higher Education Surjit Singh Rakhra

IISc students on JNU campaign attacked

<http://www.asianage.com/india/iisc-students-jnu-campaign-attacked-744>

On Monday morning, a group of students from the Indian Institute of Science (IISc) were busy collecting signatures for their latest campaign — to increase the democratic space in academic institutions. A few hundred signatures had been collected already and would be part of a letter addressed to President Pranab Mukherjee. Around 1.40 pm, a group of hooligans shouting abuse attacked the campaigners who were holding a peaceful protest against the JNU incident.

The furniture in the room was upturned and the sheet of signatures torn up as the angry protesters accused the students of being “anti-national” and “turning IISc into a terrorist house”. Although the campus security handled the situation and restored peace in about 10 minutes, sources say the situation is still “volatile”.

“We started our campaign on Sunday and everything was peaceful,” said a student. The group included members from CONCERN, an on-campus gathering comprising liberal and left-leaning students as well as others who participated in their individual capacity. “Things seemed to be going well on Monday, too, till these goons showed up. We’re not sure who they are, but we heard that they are part of the institute too,” he said.

The posters made by the campaigners were apparently the trigger for the right-wing students who attacked them. The posters contained slogans like “Kill sedition law”, “Condemn sectarian slogans” and “Stand with JNU”.

“They tore down the posters and vandalised the furniture,” the student said. “Our signature campaign was completely voluntary — passersby were asked to read it and sign if they wished to. These people could have told us they disagreed with us instead of resorting to vandalism,” he said.

The students handed a written complaint to the campus security, who have promised to take the matter to the dean. The students said that they were determined to carry on with their signature campaign.

Setting up of IIM in JK

<http://www.greaterkashmir.com/news/jammu/story/210826.html>

HRDM constitutes committee to inspect identified land

Union Ministry of Human Resource Development has constituted Site Selection Committee for inspection of the identified land for establishment of the permanent campuses for IIM in Jammu and Kashmir. The Joint Secretary Administration in Higher Education (MHRD), Parveen Kumar; Commissioner Secretary Higher Education J&K, Sarita Chauhan; Director IIM Lucknow, Prof Ajit Prasad, and Superintendent Engineer/Executive Engineer (Civil) PWD J&K are the members of the Committee.

The Committee shall visit the sites proposed by the Government of J&K to ascertain the suitability and give recommendations thereon to the Union Ministry of Human Resource Development at the earliest.

Govt clears land allotments to AIIMS, IIM & GCoE

<http://timesofindia.indiatimes.com/city/nagpur/Govt-clears-land-allotments-to-AIIMS-IIM-GCoE/articleshow/51216398.cms>

Nagpur: In a boost to Nagpur's march towards becoming an education hub, Maharashtra cabinet on Tuesday cleared land allotments for three big institutions coming up here. It included AIIMS and IIM along with Government College of Engineering (GCOE), as per officials from State Higher and Technical Education Department.

Though the land for establishing these prestigious institutions was already allotted, formal clearance was given in a cabinet meeting chaired by chief minister Devendra Fadnavis. The cabinet had already approved 100 acres for IIIT at Kaladongri on Wardha Road. For AIIMS and IIM, the government allocated 150 and 143 acres respectively at Mouza Dahegaon in non-SEZ area under Mihan. Both these institutions will share the boundary wall.

For GCOE, 11.67 acres was allocated at Khapri near newly constructed homes for project-affected persons (PAPs) of Mihan.

According to officials, all these lands were under control of Maharashtra Airport Development Corporation (MADC) and formal clearance from cabinet was needed to hand them over to respective institutions. All three would get allotment letters soon. The land would be provided on a 99-year lease and nominal rent would be charged from managements of these institutions.

While IIM-Nagpur has already started operations from VNIT's premises, there is no development in case of AIIMS. The government plans to start the much-needed GCOE from forthcoming academic year in June.

Government appointed nodal officer for AIIMS, Dr Ravi Chauhan, said they had demarcated 150 acres and also set up a boundary using big stones. "As far as state is concerned, we have completed all formalities. Now, it is up to the Union Ministry of Health and Family Welfare to take possession and start construction. We are always there to help them in getting no-objection certificates and any other help," he said.

Joint director for technical education Gulab Thakre too said state's role in setting up IIM-N was over after allocation of land and it was now Ministry of Human Resources Development's (MHRD) responsibility to take

it further. "MHRD would build infrastructure like building, classrooms and laboratories and provide entire funding for it," he pointed out.

On GCoE, he said they had dispatched proposals for building infrastructure like classrooms, library and laboratories to the Higher and Technical Education Department for clearance. "We have also demanded immediate appointment of teaching and non-teaching staff from the government before AICTE's inspection. Once their nod is received, we will start recruitment and also transfer teachers and non-teaching staff from other government run colleges in the state," Thakre informed. Vidarbha already has two GCoEs in Amravati and Chandrapur, and Nagpur's would be the third.

Infographics:

* AIIMS — Announced in 2014 budget, this Rs1,577crore project was allotted land at Mouza Dahegaon long back. No significant progress took place afterwards and project is still on paper. It is now up to Union Ministry of Health and Family Welfare to take it forward.

* IIM — It has already started with 60 seats from VNIT premises within a record time of eight months after announcement, thanks to personal interest taken by CM Devendra Fadnavis. Now, it is for Union Ministry of Human Resource Development to construct buildings, classrooms and laboratories for the institution at land allotted adjacent to AIIMS. It would take three to four years for making a new campus.

* GCOE — This institution was much needed since GCoE Chandrapur was shifted to Gondwana University. With formal announcement of land allotment, decks are now cleared to start the college with 300 seats from June. Fortunately, the existing land is also having a building meant for housing ITI. The government has to erect other infrastructure like classrooms, workshops, laboratories and library.

JNU row: IIT Madras professors explain why they wrote to President Mukherjee

<http://www.firstpost.com/india/jnu-row-iit-madras-professors-explain-why-they-wrote-to-president-mukherjee-2652476.html>

[Editor's note: A group of 56 faculty members from IIT Madras [wrote to President Pranab Mukherjee on 23 February](#) (Tuesday) voicing a concern that institutions of higher learning in India have been turned into "warzones". Devendra Jalihal and Shreepad Karmalkar, professors of Electrical Engineering Department, IIT Madras, and signatories of this petition, explain the rationale of their petition.]

A university is a place of universal knowledge related to the world inside and outside human beings. For practical purposes, this universal knowledge is divided into a variety of disciplines, namely – humanities, social sciences, natural sciences, formal sciences and applied sciences. The goal of universities across the world has been to absorb, store, generate and disseminate this universal knowledge, and transmit it from one generation to the next. This is the reason for funding a university from tax payers' money.

India has a huge young population. Young minds are impressionable. Hence, educating them and ensuring social justice without them falling prey to the language of abuse and hate is a major challenge. This challenge can be met not by agitations, but by dialogue and debate among various perspectives in a calm atmosphere. If instead of the above lofty ideals, "debate and dissent based on unfettered freedom speech" becomes the foremost goal of a university, dialogue and debate may slip into hate and abuse as has happened in some Indian universities. These universities would then cease to attract talent or be crucial national assets in addressing problems; they would nurture despair rather than hope. This is what we alerted in our petition to the president.

The Presidents of India notably [Pranab Mukherjee](#) and Late Abdul Kalam are patrons of knowledge and have been calling for Indian universities to reach landmark successes and to be renowned in the world. For this purpose, universities ought to have a metric of success. This metric could be different for different universities and disciplines. For example, IITs are trying to promote a metric based on the contributions of IIT graduates to the national or global economy. A Pan IIT study conducted in 2008 came out with a figure of Rs 20 lakh crore as the [total wealth generated by IITians](#). Eventually, the tax payer will judge the performance of a university by such metrics and not by agitations and protests.

पृथ्वी को प्रदूषण से बचाएगा ये सोलर प्लेन, BHU IIT में तैयार हो रहा मॉडल

<http://www.bhaskar.com/news/UP-VAR-bhu-iit-students-prepare-model-of-solar-plane-5263326-PHO.html>



यही चारों स्टूडेंट्स तैयार कर रहे हैं सोलर प्लेन का मॉडल।

वाराणसी.विश्व को सोलर एनर्जी का सबसे बड़ा तोहफा 'सोलर इंपल्स' स्वीडिश और दुनिया के करीब 800 वैज्ञानिकों ने मिलकर दिया था। वहीं, बीएचयू आईआईटी के केवल 4 स्टूडेंट्स एक ऐसे सोलर प्लेन का मॉडल तैयार कर रहे हैं जो एनर्जी तो बचाएगा ही, पृथ्वी को भी प्रदूषण से सेफ रखेगा।

आगे पढ़िए क्या है खासियत...

-मॉडल तैयार करने वाले टीम के मेंबर शम्स अहमद ने बताया कि प्लेन की सोलर पैनल से फिटिंग कर ली गई है।

-इस प्लेन की खासियत ये है कि पृथ्वी को प्रदूषण से सेफ रखेगा, वहीं एनर्जी भी बचाएगा।

-इसका वजन सिर्फ डेढ़ किलोग्राम होगा। इस मॉडल को तैयार करने में खर्च मात्र 12 हजार रुपए आए हैं।

-यह मॉडल सोलर प्लेन रिमोट से कंट्रोल होगा।

6 मार्च को एयर शो में होगा डिस्प्ले

-मॉडल तैयार करने में शामिल जयंत श्रीवास्तव ने बताया कि अभी मॉडल पूरी तरह से डेवलप नहीं हुआ है।

-मैकेनिकल पार्ट्स को जोड़ा जा चुका है। ट्रायल लेने में कुछ तकनीकी दिक्कतें हैं, जिसपर रिसर्च चल रहा है।

-मॉडल में प्लेन रनवे पर सोलर एनर्जी से फिलहाल उड़ान नहीं भरा है, लेकिन बैट्री से दौड़ चुका है।

-6 मार्च को प्रोफेसर वीरभद्र मिश्रा एयर शो में बीएचयू में पहली बार डिस्प्ले होगा।

-एयर शो के आयोजक मंडल सदस्य और एक्सपर्ट आईआईटी सीनियर स्टूडेंट रवि कुमार ने बताया कि 6 मार्च को प्रोफेसर वीरभद्र मिश्रा एयर शो में बीएचयू में पहली बार डिस्प्ले होगा।

इन चार छात्रों ने मिलकर बनाया

-शम्स अहमद

-जयंत श्रीवास्तव

-सास्वत राय

-सास्वतम भदानी

-ये सभी स्टूडेंट्स अंडर ग्रेजुएट हैं।

प्लेन में इस्तेमाल हुई चीजें

सोलर प्लेट- 18

मोटर- 1400 केवी डीसी ब्रुशलेस मोटर

पावर प्रोड्यूस बाइ सोलर सेल- 45 वाट

विंग स्पन- 2.5 मीटर

-फ्रेम बाल्सा की लडकी से बनाया गया है।

सोलर इंपल्स और छात्रों के इस मॉडल में ये हैं बेसिक डिफरेंस

-सासुवत राय ने बताया कि सोलर इंपल्स में सोलर एनर्जी से बैट्री में पावर स्टोर होता है, जो बाद में मोटर को मिलता है। इसके बाद टेकऑफ होता है। इसमें पावर वेस्ट होता है।

-वहीं, इस प्लेन में सोलर एनर्जी कैमिकल एनर्जी में जाती है। फिर इलेक्ट्रिकल एनर्जी में कन्वर्ट होती है। इसके बाद प्लेन उड़ती है और लैंड करती है।

-सासुवतम भदानी ने बताया कि इस सोलर प्लेन में सोलर से एनर्जी बैट्री में स्टोर होगी।

-बाद में सर्वो मोटर और स्वीच के जरिये डायरेक्ट सोलर एनर्जी से कनेक्ट कर दिया जाएगा, जिससे एनर्जी सेफ होगा। इसके बाद प्लेन डायरेक्ट सोलर एनर्जी से उड़ती रहेगी।

-सेफ्टी के लिए बैट्री रखा गया है। इमरजेंसी में स्विच बदलकर पावर के लिए बैट्री का इस्तेमाल किया जा सकता है।

-डायरेक्ट इलेक्ट्रिकल एनर्जी मोटर को उड़ते समय देता है। एनर्जी कंवर्जन से बचाता है।

सोलर इंपल्स की ये है बनावट

सोलर इंपल्स सिंगल सीटर एयरक्राफ्ट कार्बल फाइबर का बना है। 72 मीटर का पंखा लगा है। इसका वजन 2300 किलोग्राम है। पंखे में लगे 17,248 सोलर सेल इलेक्ट्रिक मोटर को रिन्युएबल एनर्जी प्रदान करती है। सोलर सेल 4 लिथियम बैट्रियों को रिचार्ज करते हैं। इनका कुल वजन 633 किग्रा है। यह एयरक्राफ्ट को रात में भी उड़ान भरने के लिए उर्जा प्रदान करते हैं

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Hyderabad varsity's exam reforms to help Dalit students

Campus back to normal after stir over Rohit's suicide

G NAGA SRIDHAR
Hyderabad, March 1

The University of Hyderabad (UoH) is planning major reforms in the examination system to make things easier for Dalit students who come from a difficult background.

The Central university, which was rocked by agitation after the Dalit Ph D scholar Rohit Vemula's suicide in a campus hostel on January 17, 2016, is now back to normal.

Rohit was one of the five students who were debarred from hostels for allegedly attacking ABVP campus unit president N Susheel Kumar.

Shutdown

The university was shut down for two weeks after the suicide with the agitators demanding action against Union Ministers Smriti Irani and Bandaru Dattatreya, besides Vice-Chancellor P Apparao.

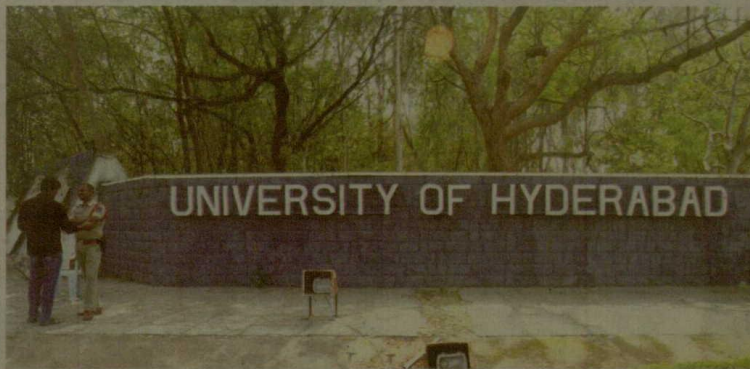
"This has been the biggest ever crisis the university has faced since its inception in 1974. But now we are not only back to the regular academic schedule but also trying to prevent any recurrence of the tragic incident," M Periasamy, in-charge Vice-Chancellor, told *Business Line*.

Periasamy, the third senior most professor in the university, assumed charge in controversial circumstances after students demanded the resignation of his predecessor, Srivastava, who acted as in-charge vice-chancellor after Apparao went on long leave.

'Inclusive Institution'

When asked on the measures being taken to prevent any discrimination against the Dalit students, he said: "As UoH is an inclusive institution, we have about one fourth of students who come from socially oppressed sections of society. I feel the present examination system is not in favour of them," he said. There are 5,500 students on the rolls.

At present, the examination system is a combination of con-



There will be no delay or disruption in the admission schedule for the next academic year, which begins next month

tinuous assessment (internals) for 40 per cent while remaining 60 per cent of marks are awarded on the basis of a written exam.

"If we reduce the importance of written exam by another 20 marks and give more importance to oral tests, it might be useful for students from rural backgrounds. I find they are

more articulate orally than in written exams," Periasamy said.

Academic panel

Plans are also afoot to constitute a panel of senior professors, which will act as a filter for issues which go to proctorial board.

"The decisions of proctorial board are generally tough to be reviewed in any university. We

want to provide another window to settle any issue in a student-friendly manner," the vice-chancellor said.

According to Periasamy, the suicides of Dalit students in the university (nine in last 10 years) were mainly due to 'administrative lapses' such as inordinate delay in allotting supervisors to the research scholars.

"I am proposing that a faculty should not be allowed to take general candidates for research supervision unless and until he has a numerically proportionate number of Dalit students/scholars," he said.

However, all the proposed changes will have to be routed through the academic council and executive council which have to ratify these aspects.

'No delay'

There will be no delay or disruption in the admission schedule for the next academic year, the process of which begins next month.

Periasamy, a professor of chemistry and Shanti Swarup Bhatnagar awardee, is also planning to take up a project on renewable energy based on a new technology by involving students and unemployed youth.

"The project is pending with the Ministry of Human Resource Development and we are in the process of filing a patent for the process," he said, adding that a knowledge park should be set up to help students.