Newspaper Clips
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IIT-Delhi unveils innovative projects
http://economictimes.indiatimes.com/news/science/iit-delhi-unveils-innovative-projects/articleshow/58262670.cms

NEW DELHI: A digital microscope to see cells in 3-D, a helmet whose strap tightens with the click of a button and components which make buildings earthquake resistant -- are among the many projects IIT-Delhi has put on display on Wednesday, three days ahead of its 13th Open House.

The innovative projects on show are near completion and some of them have even been patented and are now being used by the industries.

"Our goal has always been to make IIT conducive for research for students... We have executed 40 projects since last year," S. Basu, Assistant Dean, Research and Development, Indian Institute of Technology-Delhi, said at the event.

To make research a continuous affair, the IIT-D has launched a plan that "involves students from all four years" so that the research doesn't die with the passing out of the student, but makes itself available to be taken over by the juniors, he said.

Basu apprised the media about the institute's collaboration with Defence Research Development Organisation (DRDO), wherein the former will receive Rs 230 crore over five years to build technologies to thwart mine attacks, assess their impact, and to build a "spy-balloon" -- conceptualized as a drone -- among others.

He also said the institute last year received a funding of Rs 170-180 crore, a marked improvement from a usual Rs 100-120 crore.

"We are proud to step into another edition of Open House and like every year we look forward to provide opportunity to our visitors to experience the state-of-the-art innovations of our students and faculty at IIT-Delhi," IIT-D Director Ramgopal Rao said in a statement.

The Open House will be held on the IIT-D campus on April 22 where a wide array of projects and innovations will be shown to public.

A mobile application -- Open House App -- will also be launched on the same day, which will be a repository of all the cutting edge technologies the institute has produced.

IIT Delhi to Use Beacons, Smartphones to Tackle Attendance Issues
http://www.news18.com/news/tech/iit-delhi-to-use-beacons-smartphones-to-tackle-attendance-issues-1378407.html

Ending the woes of marking attendance for teachers as well as students, the Indian Institute of Technology (IIT) Delhi has developed a mechanism for the purpose using beacons in classrooms and smart phones.

Incurring a cost of Rs 14 lakh, the premiere institute has set up beacons in all its classrooms, which will act as sensors as soon as a student enters the classroom. S/he can then use a smartphone to register their in and out attendance by clicking an instant picture and uploading it.

And this is among a host of other projects that will be on display on April 22 at the IIT's Open House, an annual event to provide an insight into path-breaking research work, student projects and the numerous advanced facilities and laboratories available at the institute.

"Marking attendance has been a tedious process for teachers while students always have complaints that their registered attendance does not reflect their real attendance. Hence, we have developed an arrangement which is comfortable for both and is also technology driven," said IIT professor Brejesh Lall, the in charge of the project.

"A mobile application has been developed and synced with the beacons using two technologies -- geo fencing and face recognition. When a student walks in, s/he can click their picture any point of time and upload it on the app without disturbing anybody else," he added.

The information will get accumulated in the dashboard, using which the project team will compile all the information and send it to the IIT server every evening.

"We conducted a pilot study here for 8 months before going ahead with full fledged installation of beacons. We have also filed a patent for the technology to explore commercialisation prospects for the project," Lall added.

Among other projects that will be exhibited during the Open House are formulation of an eco-friendly and low cost cement, development of blast proof infrastructure for Indian borders, an Automatic Strap Mechanism (ASM) for motorcycle helmet and saliva-based non-invasive glucose bio-sensor.

At IIT event, life-saving helmet straps, diabetes test connected to phone
http://indianexpress.com/article/cities/delhi/at-iit-event-life-saving-helmet-straps-diabetes-test-connected-to-phone-4620376/

The annual Open House will be held at IIT-Delhi on April 22. It is free to the public and will open at 10 am

A TEAM from the Indian Institute of Technology Delhi has devised an automatic strap mechanism (ASM) for motorcycle helmets which, they say, could reduce critical injuries caused by a loose chin strap.

This is among the many projects and innovations, which will be on display at IIT's annual Open House on April 22. From impact-testing of devices to "making India safe from terror attacks and cross border firing", from a low-cost and eco-friendly cement to an app-based attendance system, from a saliva-based glucose sensor to an integrated visual and acoustic system to monitor the Ganges dolphins — the showcase will see a host of innovations.

Professor Puneet Mahajan from the Department of Applied Mechanics, who is in charge of the helmet strap project, said, "We conducted a preliminary sample survey which showed that around 60-70 per cent motorcyclists don't wear helmets with their straps on, or they become very loose.

The strap we've designed is auto-adjustable and self-locking." He said the rider only needs to press a red button the side of the helmet, which will automatically adjust the strap. "It can be attached to any regular motorcycle helmet, and we're hoping that manufactures will show interest in it. If mass produced, these shouldn't cost more than Rs 30-40 per helmet," he said.

One team has made a saliva-based non-invasive diabetes strip, which can be connected to a smartphone and provides a response time of 20 seconds. Another has come up with a limestone-calcined clay cement which produces 30 per cent less carbon dioxide than regular cement.

The Indian Express had first reported that IIT-Delhi has started marking attendance through the Timble app, which has geo-fencing and face recognition technology. Talking about the 13th edition of the Open House, IIT Director V Ramagopal Rao said, "We are proud to step into another edition of Open House and, like every year, we look forward to providing opportunity to our visitors to experience the state-of-the-art innovations of our students and faculty."

The exhibition is open and free for the public from 10 am. The demonstrations for the public will close by 2 pm, but laboratories will stay open for visitors till 4 pm.

Fighting disasters the IIT way
http://timesofindia.indiatimes.com/city/delhi/fighting-disasters-the-iit-way/articleshow/58269893.cms

NEW DELHI: From defence technology and disaster management to simpler issues like attendance, the studentsand faculty of IIT Delhi have created innovations that have a wide impact and social benefits. Some of these projects were put on display on Wednesday, ahead of the Open Day on Saturday.

Last year, the research and development department signed an MoU with DRDO to establish a Joint Advanced Technology Centre. The projects are under three groups — advanced ballistic and protection technology, smart and intelligent textile technology, and advanced electromagnetic devices and terahertz technologies.

Suddhasatwa Basu, associate dean of research and technology, said it would be the first time that the defence services would use an Indian body model to understand the effects of a blast. "Currently, they are procuring American software, but they have a different body structure as compared to Indians," he added.

The students are also researching Other technologies developed include research for a material that is easy to handle, light to wear, and can break the impact of a bullet. "We are also working on the ways soldiers can wear mart uniforms with antennas woven in the textile. Their supervisors sitting at a remote place can then warn them of hazardous changes in the environment," Basu said.

The students have also developed a new app, Timble, which allows them to log in their attendance at a certain time of the day. The app will record the position of the student and send out alerts to them in case the professor decides to reschedule classes.

Brejesh Lall, faculty-in-charge of the project, said that in case students do not have smartphones, the information can be logged in online through a computer. "This app will minimise fraud that is common among other systems, like the biometric one," said Dhananjay Goel, a BTech student and MD of the app.

IIT director M Balakrishnan said, "More students are now getting involved in start-ups. The cynicism of stating something new is slowly fading away."

IIT student who invented gadget to extract water from canteen daal gets call from NASA

http://www.enaindia.in/news/newsdetails/category/non-technical/iit-student-who-invented-gadget-to-extract-water-from-canteen-daal-gets-call-from-nasa

Sagar Sharma, a third-year mechanical engineering student of IIT Delhi, claims to have invented a device that will extract water from heavily diluted canteen *daal* (cereal) to tide over the usual water shortage at hostels.

Sagar's invention has not only got the attention of the water conservationists, American Space administration agency National Aeronautics and Space Administration (NASA) too has extended an invite to the IITian and plans to use the device for future space missions. "Our manned space missions usually have to deal with little or no water. But with this device if we can extract water and then reuse it that would solve much of our space related problems. Our astronauts can then focus on taking beautiful well-lit images of earth at night and then share it on twitter," said a senior NASA official.

Speaking on how he got the idea Sagar said, "Water shortage is common here and in the summer season it gets compounded. But I observed that no matter how bad the water situation is in the college, the canteen *daal* always had truckloads of water. That's when I decided to put my mechanical engineering knowledge to some good use and work on a device that will extract all the extra water in the *daal*. This water can then be used in the hostels, where it is much needed."

A sample of the device is already being tested and around 200 litres of water is said to have been drawn from the *daal* served to IIT Delhi students for lunch.

Govt officials too were optimistic that if such experiments were done across all colleges in the country, there would be enough water for everyone. "All college canteens across the country will have these devices and they will be connected via pipes to a reservoir. The water will then be transported to different corners of the country. In the next phase, we might even construct a dam across the reservoir and generate electricity," said a senior Govt official.

MARKITIERS Organises Its First Signature Event "DELHI MARKETING CONCLAVE 2K17"

http://bwdisrupt.businessworld.in/article/MARKITIERS-Organises-Its-First-Signature-Event-DELHI-MARKETING-CONCLAVE-2K17-/19-04-2017-116581/

The final inference was drawn that digital marketing is getting an edge over the offline one due to amplifying dependency of the today's generation on the digital world.

If everything seems under control, you are just not going fast enough…sounds vague but that's the reality. In this era going with the slow rate is not fruitful at all, the growth must be fast and substantial with such an energetic thought and conceptualized notion"MARKITIERS" launched its very first signature event "DELHI MARKETING CONCLAVE 2K17".

The event witnessed a massive footfall of 750 participants.

The opening ceremony started with the Guest of Honor "Dr Sarabjit Sharma"-leading lawyer of the company, lightening the lamp guided by the principal of Kirori Mall College "Dinesh Khattar", the 2 notable personalities gave their words of wisdom to the youngsters. The first event which was lined up was Million Dollar or M plan.

Following it was Brand Catechize where participants knowledge about trending brands and logos was examined carefully.

This event was then followed by the "Panel Discussion" where eminent speakers gave away their view on much relatable topic these days that "Why digital marketing is getting an edge over offline marketing".

Pravin Thapar, Director of Finance and operations at Karmic Alloys Private Limited, said, "Security is the thing for which an individual looks for isn't so? Indeed it is thus brand reputation and security is easily accessible and scrutinized through online media proving its mettle way better than the offline trend".

The final inference was drawn that digital marketing is getting an edge over the offline one due to amplifying dependency of the today's generation on the digital world. In short online is gaining an edge over offline because of the enormous digitalization in this era.

In between the events the founder "Ms Oshikka Lumb" encouraged the participants moreover she talked about her second venture "Socioteria" which primarily aims to assist the students and help them in their studies by fostering a new kind of online learning techniques.

The events lined up for the second half named We market and the Ad Mad which involved the campaigning and branding of product in best possible fashion and way out.

The closing ceremony witnessed the showcase of thankfulness to the sponsors especially the associate sponsor "TAP CHIEF" and to the participants .The winners and the runner-ups for various events were awarded with certificates and medals in addition to this dazzling coupons were also awarded to them.

The event closed down with the words of founder "Ms Oshikka Lumb" showing gratefulness to massive response that came her way and to the Finance and Investment cell of KMC for extending an unmatched support thereby the event was called off with the much punctilious way and with the announcement of 2nd edition of "DELHI MARKETING CONCLAVE" in the month of JULY at IIT DELHI.

HRD Ministry forms 7th pay review commission for educational institutions

http://www.enaindia.in/news/newsdetails/policy/regulatory-bodies/hrd-ministry-forms-7th-pay-review-commission-for-educational-institutions

 The Human Resource Development (HRD) Ministry on 19 April formed a committee to review the recommendations made by a University Grants Commission (UGC) panel for college and university teachers, in line with Seventh Pay Commission.

Seventh pay commission will be implemented in colleges and universities very soon: HRD Minister @PrakashJavdekar pic.twitter.com/M2IfpRQm2L

"Seventh Pay Review committee for implementing the recommendations (of the 7th Pay Commission) in educational institutions, universities and colleges has submitted its report to the Ministry. I have constituted a committee headed by Higher education secretary to study them," Union HRD Minister Prakash Javadekar said on Tuesday.

The committee, it is reported, will have officials from Finance Ministry and other relevant offices and it will submit its final recommendations which will then be sent to the Cabinet.

The change comes against the backdrop of teachers' associations of various universities threatening to go on strike over the "delay" in implantation after the UGC panel submitted its report earlier this year.

The 5-member UGC pay review committee, headed by it member V.S. Chauhan, which was formed last year, had in February recommended a 20 per cent pay hike for university and college teachers.

It had also recommended scrapping ad-hoc and temporary appointments of teachers across universities.

According to the recommendations, a teacher's starting package will be revised by a multiplier of 2.72, applied to the basic salary and another component called academic grade pay (AGP).

For example, a directly recruited professor who gets around Rs 43,000 as basic salary, Rs 10,000 as AGP and dearness allowance now will be entitled to a basic salary of Rs 1.44 lakh which would include the present dearness allowance.

IIT-BHU questions NIRF ranking 2017, terms it 'incomplete publication'

http://www.indiatvnews.com/news/india-iit-bhu-questions-nirf-ranking-2017-terms-it-incomplete-publication-377849

According to BHU, the total Research Publications of IIT (BHU), Varanasi as published in calendar year 2013, 2014 and 2015 in Scopus is approximately 1500, while NIRF has shown only 205.
The IIT-BHU has raised objections to its ranking declared by the National Institutional Ranking Framework (NIRF), Ministry of Human Resource Development (MHRD), alleging that it is based on 'incomplete publication'.

"The 31strank of IIT (BHU), Varanasi among Engineering Institutions as declared by NIRF, MHRD, New Delhi is based on incomplete publication/patent data obtained by NIRF directly from third parties instead of collecting it from respective Institution," a press release quoted the Director of IIT (BHU) Prof Rajeev Sangal as saying here on Wednesday.

"The publication data as considered by NIRF is not complete and does not match with the publication data available on Web of Science, Scopus and Indian Citation Index," he said, adding it is very less than the actual, which has adversely affected the rank of IIT(BHU).

He claimed that the total Research Publications of IIT (BHU), Varanasi as published in calendar year 2013, 2014 and 2015 in Scopus is approximately1500, while NIRF has shown only 205.