THE PULSE OF HBTU

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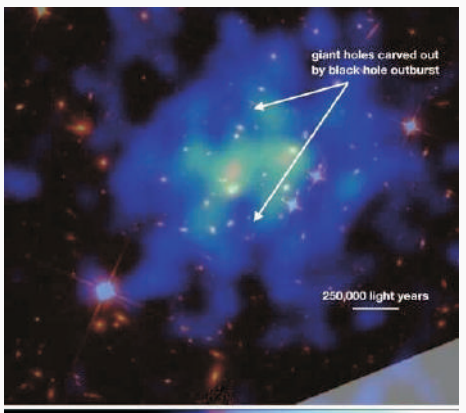
THE FIRST EVER CONVOCATION CEREMONY OF HBTU

The Harcourt Butler Technical University, organized its very first Convocation Ceremony teeming with lush grandeur and celebration. The degrees were offered to 166 students enrolled in M.C.A. and M.Tech. The ceremony witnessed the presence of Honorable Chancellor Mrs. AnandiBen Patel and Honorable Vice Chancellor Mr. N.B. Singh and former director of IIT and Padma Shri recipient Prof. S.G. Dhane.

While the Governor shared her thoughts about safety of women in the state and the country, Prof. Dhane remarked on learning, "Competition from education to job is increasing over time. The one who craves for learning, will move forward. If you always want to learn while doing the job, then success will come to your steps itself."

Several Awards were awarded to students for their excellent academic progress. The Vice Chancellor's Gold Medal awarded to Yashvardhan Singh Chauhan, M.Tech CAD (2018), Gaytri Arora, M.Tech CAD (2019), Neha Sinha M.Tech Oil Tech.(2019) and Himanshu Gupta, M.C.A.(2019). The Silver Medal was awarded to Jatin Sachdeva, M.Tech CAD (2018), Pranjal Kumar, M.Tech CAD (2019), Shikha Tripathi, M.Tech CAD(2019), Shreya Singh, M.Tech Food Tech.(2019) and Prakhar Mishra, M.C.A.(2019). The Bronze Medal winners were Vibha Mishra (M.Tech EC), Ramansh Bajpai (M.Tech ESE), Sarita Prabha (M.Tech BE), Mudit Chaturvedi (MCA). However Six other awardees (3 Gold, 1 Silver and 2 Bronze) were not able to make up to the occasion being preoccupied with work.

Astronomers describe a violent black hole outburst that provides new insight into galaxy cluster evolution



Billions of years ago, in the center of a galaxy cluster far, far away (15 billion light-years, to be exact), a black hole spewed out jets of plasma. As the plasma rushed out of the black hole, it pushed away material, creating two large cavities 180 degrees from each other. In the same way you can calculate the energy of an asteroid impact by the size of its crater, Michael Calzadilla, a graduate student at the MIT Kavli Institute for Astrophysics and Space Research (MKI), used the size of these cavities to figure out the power of the black hole's outburst.

In a recent paper in the Astrophysical Journal Letters, Calzadilla and his coauthors describe the outburst in galaxy cluster SPT-CLJ0528-5300, or SPT-0528 for short. Combining the volume and pressure of the displaced gas with the age of the two cavities, they were able to calculate the total energy of the outburst. At greater than 1,054 joules of energy, a force equivalent to about 1,038 nuclear bombs, this is the most powerful outburst reported in a distant galaxy cluster. Coauthors of the paper include MKI research scientist Matthew Bayliss and assistant professor of physics Michael McDonald.

The universe is dotted with galaxy clusters, collections of hundreds and even thousands of galaxies that are permeated with hot gas and dark matter. At the center of each cluster is a black hole, which goes through periods of feeding, where it gobbles up plasma from the cluster, followed by periods of explosive outburst, where it shoots out jets of plasma once it has reached its fill. "This is an extreme case of the outburst phase," says Calzadilla of their observation of SPT-0528. Even though the outburst happened billions of years ago, before our solar system had even formed, it took around 6.7 billion years for light from the galaxy cluster to travel all the way to Chandra, NASA's X-ray emissions observatory that orbits Earth.

Source-Journal information: Astrophysical Journal Letters , Astrophysical Journal Provided by Massachusetts Institute of Technology

Boeing Spacecraft Returns to Earth After Aborted Mission

NASA said the Starliner had landed in excellent condition and would now be refurbished ahead of a decision on whether to carry out another test flight.

By Agence France-Presse

Source- gadget. Ndtv

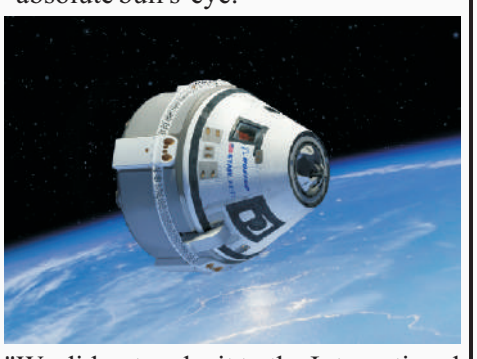
NASA hailed the aborted flight as a success

The space agency described the landing as an "absolute bull's-eye"

Starliner's first crewed flight had been scheduled for early 2020

Boeing's new Starliner unmanned spacecraft returned to Earth on Sunday, landing in the New Mexico desert in the United States six days early after a clock problem scuppered a rendezvous with the International Space Station. NASA hailed the aborted flight as a success, despite its failure to reach the ISS on what was meant to be a final dress rehearsal before a crewed mission. Images broadcast by NASA showed the spacecraft touching down, cushioned by airbags, after a pre-dawn descent slowed by three large parachutes.

"We had some challenges, but a lot of things did in fact go right," NASA Administrator Jim Bridenstine told reporters, describing the landing as an "absolute bull's-eye."



"We did not make it to the International Space Station. We did not dock, but the spacecraft flew exceptionally well. We've got a lot of data to review."

The Starliner capsule was launched Friday from Cape Canaveral in Florida, but shortly after separating from its Atlas V launch rocket, its thrusters failed to activate as planned, preventing it from reaching a high enough orbit.

The space station orbits at an altitude of about 400 kilometers (250 miles) above sea level.

As the craft had burned too much propellant, Boeing and NASA were forced to guide the Starliner back to Earth.

"Maybe it's acceptable to go next step -- fly the crew flight test, but we have to go through the data first," Steve Stich, deputy manager of NASA's Commercial Crew Program, said.

"We tested a majority of the core system of the vehicle... We had a little issue with the timer in the beginning."

Boeing plans to suspend production of the plane in January.

CO2 could be captured directly from truck exhausts By E&T editorial staff- source

Researchers based at Switzerland's École Polytechnique Fédéralede Lausanne (EPFL) have proposed a method for reducing the carbon emissions of trucks by 90 per cent with a small system which can be retrofitted to existing vehicles.

In Europe, transportation is responsible almost 30 per cent of total carbon e missions, of which most (72 per cent) comes from road transportation. As the world struggles to decarbonise in order to keep global average temperature rises to within 2°C, cutting down on emissions associated with transport has become a priority.

While a push towards electric and low-carbon personal vehicles will play a large part in decarbonising transport, reducing emission associated with public and commercial transport, such as trucks, remains a more stubborn challenge.

EPFL engineers suggest that trucks drivers could cut their emissions by a factor of 10 using a patented system which captures carbon straight from the exhaust, and liquifies it to be stored in a box on the roof.

Concept art for truck CO2 system

EPFL / François Maréchal

By cooling the vehicle's flue gases, it is possible to separate water from the gases, and then isolate the CO2 from the nitrogen and oxygen in the fumes with a temperature swing absorption system, which uses frameworks designed at EPFL to absorb CO2. Once the system is full of CO2, it is heated (using heat from the vehicle's engines) to extract pure CO2, which is then compressed into a liquid. This liquid can be stored in a tank and transported to a service station to be turned into conventional fuel, via a process powered by renewable energy.

"The truck simply deposits the liquid when filling up with fuel," said Professor François Maréchal, who led the project.

The entire process can be carried out within a capsule of 2x0.9x1.2m, which can be placed above the driver's carbon.

Elections in England: Boris Jonhson elected as the new Prime Minister of The United Kingdom

Incumbent UK Prime Minister Boris Johnson's Conservative Party on Friday secured a majority in the House of Commons, winning 329 seats so far in 2019 general elections, well ahead of Labour's 198 seats.

The Liberal Democrats have won 8 seats, while the Scottish National Party posted big gains in Scotland, with 45 seats, CNN reported.

"I want to thank the people of this country for
turning out to vote in a December election,
which we didn't want to call but which I think has
turned out to be a historic election," Johnson
said.

A victory for incumbent Prime Minister Boris
Johnson and the Conservatives would mean that
they will plough ahead with the Brexit, dashing
all chances of a second referendum over the
issue.

The prime minister said it would give him a mandate to "get Brexit done" and take the UK out of the EU next month.

Mr Johnson became prime minister in July without a general election, after the Conservative Party elected him as leader to replace Theresa May.

India Put Out Best Corporate Tax Regime, Its Story Has Just Begun: NITI Aayog CEO

NITI Aayog CEO Amitabh Kant on Friday (13th December, 2019) said India has put out "probably the best" corporate tax regime in the world now and asserted that the country should use the strength of its domestic market as the structural reforms make it the most attractive destination for investments.

"The perception of American investors toward China changed... They will always be looking for alternative investment destinations. Now, one is Vietnam which has limited skills and very limited domestic market. India should really use the strength of its domestic market," Kant told ANI. "India has put out probably the best corporate tax regime in the world now. At 15% with an effective rate of 17.1%, makes it the best country as far as corporate tax is concerned... This corporate tax coupled with the size of the domestic market, plus the fact that you pushed digitisation and structural reforms that have been carried out makes India a very-very attractive destination for investment," he added.

Indian-American Congressman appointed chairman of crucial US House subcommittee on Asia

Indian-American Congressman Ami Bera has been appointed as Chairman of the Subcommittee on Asia, the Pacific, and Nonproliferation of the House Foreign Affairs Committee.

In the statement released on Thursday, 54-year-old Bera said: "I am honoured to chair the Subcommittee on Asia, the Pacific, and Nonproliferation. Asia is one of the most important and consequential regions of the world and the United States has deep and enduring ties to the continent."

Bera, a physician, is the longest-serving Indian American currently serving in Congress.

Congressman Bera is currently a member of the House Foreign Affairs Committee, where he serves as Chair of the Oversight and Investigations Subcommittee. He is also Vice-Chair of the House Committee on Science, Space and Technology.

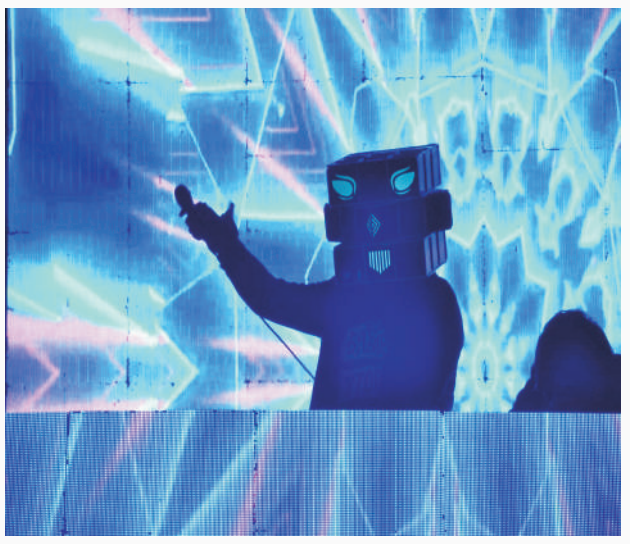
The Congressman said that he will continue to be a forceful advocate for smart and strong diplomacy and development.

Bera also serves as Co-Chair of the Congressional Caucus on Korea and previously chaired the Congressional Caucus on India and Indian Americans.

ADHYAAY 2019

Adhyaay was a three days techo-cultural fest of Harcourt Butler Technical University which began at 28th November 2019. This 3 days fest was collectively organized by the five subcouncils of USAC to alleviate the personality and skill development amongst the students. The first day of Adhyaay began with the fun hobby events like gully cricket, sack race, frog race, etc in which students participated very enthusiastically. The major event of Hobby Sub-council was Living On The edge which was based on ROADIES theme. Then there were technical events lile Chemwar, water rocket, junkyard, etc in which students got an opportunity to show their technical skills. Photography sub-council came up with events like Jigyasa, best of adhyaay, Took shelf, etc. to bring out the hidden photographers amongst students.

The evening of the first day of the fest was marked by Kavya Sabha orrganised by literary sub-council. Many renowned poets like Arun Gemini from the famous Comedy Nights with Kapil and Padmini Sharma who is a famous Youtuber and more came together to make it a beautiful night full of poetry for the audience.



The second fun filled day of Adhyaay 19 was commenced with a Ted talk by scientist and innovator Jawwad Patel on the topic 'Smart Helmet' and Halloween theme based D.J. The second day of fset also marked the beginning of cultural evets like dance face off and HBTU'S GOT TALENT. Students participated in Hobby events like face painting, spoon race, three legged race ,etc and Literary events like Mr/Ms literati, potential professor, etc.

The second day was concluced and marked by the presence of DJ MKSHFT. The edm night filled students with energy and ecstasy. It was a night full of memories.

The third day of the event continued with various Hobby, Literary and Photography events. The main events were sumo wrestling, theme-based D.J and flash mob.

The major attraction o the fest included Open mic, Photo Booth and Musical Chair which were prepared very creatively.

The cultural night consisted of various musicsal,dance and comedy performances by the students. It was concluded by with the bamd performance by the famous band Underground Authoritywhich entertained the audience to the fullest . this makrked the end of 3 days tecno- cultural fest which left no stones unturned to entertain the audience and participants to the fullest.

Step to prenatal education

HBTU aims on providing each female student of the university with not only technical but also prenatal education. This would help the female students in the long run to live their lives to the fullest and healthiest and along with that it would also be beneficial for the babies they would carry in their wombs. The classes of prenatal education would be taken by experts and specialists in this field. These classes are scheduled to be started from November. Registrar of the university Prof. Manoj Kumar Shukla said that a child learns not only from an institution or society but also from the mother's womb. To make the future of the children bright they should get good knowledge from the very beginning, this thereby makes prenatal education a dire need. Such courses and classes prevail in many countries including Germany. Also the Governor of Uttar Pradesh Hon'ble Anandiben Patel has instructed to include this course in the curriculum. At last he also mentioned that along with these classes there would be medical camps as well. The first session of prenatal education took place on the 5th of November where specialists and Doctors were present from GSVM.

NATIONAL BOARD OF ACCREDITATION VISIT IN HARCOURT BUTLER TECHNICAL UNIVERSITY

NBA visited Harcourt Butler Technical University for Chemical Engineering on 15-16 November 2019.

What is accreditation?

Accreditation is a process of quality assurance and improvement, whereby a programme in an approved Institution is critically appraised to verify that the Institution or the programme continues to meet and/or exceed the Norms and Standards prescribed by regulator from time to time. It is a kind of recognition which indicates that a programme or Institution fulfills certain standards.

Why Accreditation?

The purpose of the accreditation by NBA is to promote and recognize excellence in technical education in colleges and universities - at both the undergraduate and post graduate levels. Institutions, students, employers, and the public at large all benefit from the external verification of quality provided through the NBA accreditation process. They also benefit from the process of continuous quality improvement that is encouraged by the NBA's developmental approach to promote excellence in technical education. Through accreditation, the following main purposes are served:

Support and advice to technical institutions in the maintenance and enhancement of their quality of provision;

- confidence and assurance on quality to various stakeholders including students;
- assurance of the good standing of an Institution to government departments and other interested bodies;
- enabling an Institution to state publicly that it has voluntarily accepted independent inspection and has satisfied all the requirements for satisfactory operation and maintenance of quality in education.

Benefits of Accreditation to a University / Institution

Accreditation is a tool that stakeholders use to monitor, assess and evaluate the standards and quality of the education a student receives at a college, university or other institution of higher learning. Some of the major benefits enrolled students receive by attending an accredited institution / program are as follows:

- Accredited institution / program offers the highest quality education available;
- Accredited institution / program strengthens consumer's confidence, employers value degrees of an accredited program the most;
- Accreditation helps institutions to know their strengths, weaknesses and opportunities, pushes them to continuously improve their programs and give them a new sense of direction, identity and targets; and
- Accredited institution / progam demonstrates accountability to the public, commitment to excellence and continuous quality improvement.

Vc's Corner

Social Responsibility of Students

Students along with there schools, college or university play an important role in shaping a society. Educational institutes provide opportunity to learn as well as to develop as a human being. Either it is a school or it is a college, all what changes is the level of education. Holistic approach in education is adopted by the institutes. Now this is where a student has to understand that this entire process has bestowed a responsibility on his shoulder.

'Social responsibility of a student' is not just what he can give back to the society. Humans are the primary members of a society and so students are. Students need to understand that they are the representative of their native society and so there first and foremost responsibility is to make sure that they know there own society well. They ought to know there culture well because this is where their roots lie. Without grasp over one's own roots, it's impossible to stand high, no matter whatever field they choose.

When students know that they are the representative, it means there's no difference between them and the society to which they belong. Whatever they do directly or indirectly will effect the society and depending on the scale of the action committed, it could also be considered a practice or it may be taken into account by the people of other society that their society allows such practices. There's no difference between students and their society. They are one.

Students must choose their career paths as per their interest. Wherever they may go, they will represent their society. They must be cautious about their actions. Ethical misconduct should be avoided and harmony must be promoted by their actions. Students must keep their surrounding clean and also motivate other people to do so.

It is like a cycle. What society invests in students, they have to make sure that it is passed on successfully to the upcoming generation. Successful maintenance of this cycle results in a better social structure eventually leading to a better society. It is the responsibility of students that they keep this information flow alive. Breach in the cycle will surely cost entire generation to

VISIT TO IIT KANPUR

With the opportunity provided by GIIEC, some students attended Abhivyakti: Innovations for the future at IIT Kanpur on 5th November'19. The students were taken on a bus provided by the college itself ,and they witnessed many innovative projects.

The session was indeed very informative and students learnt about many new innovations and possibilities for the future.

Prof. Narendra Kohli Sir and A.K. Shankhwar Sir accompanied the students to this spectacular event.

2019: A Year of Many New Beginnings for Indian Space Sector

The year 2019 witnessed ISRO touching the mark of 319-foreign satellite launches.

HIGHLIGHTS

ISRO sent its 50th Polar Satellite Launch Vehicle (PSLV) in space in 2019

The space agency is setting up a second rocket launch pad in Tamil Nadu

The only key disappointment for ISRO was Vikram moonlander's crash

The year 2019 was a year of several new beginnings for India's space sector that is now on Mission 2.0 mode.

The year also saw the Indian Space Research Organisation (ISRO) scoring a couple of half centuries, like putting into orbit 50 foreign satellites and also sending up its 50th Polar Satellite Launch Vehicle (PSLV).

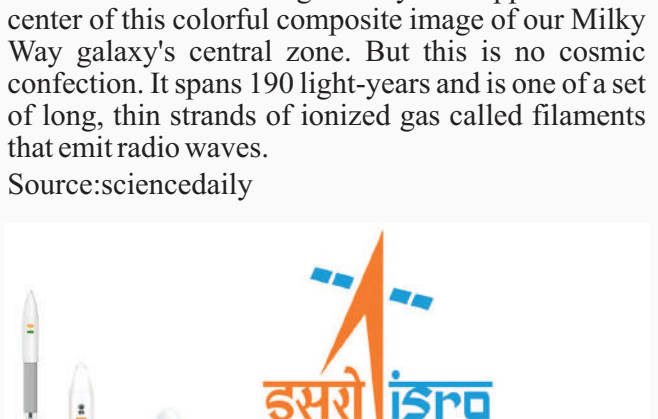
However, the one jarring note in the success symphony was the crash landing of India's moonlander Vikram on the lunar surface.

The year also saw ISRO and Department of Space (DoS) taking firm steps towards setting up of second rocket launch pad in Tamil Nadu; flying Indian rockets with indigenously developed navigation processor chip; formation of NewSpace India Limited to involve private sector in making rockets and also taking over the commercial activities of Antrix Corporation.

The NewSpace India had issued an Expression of Interest (EoI) for first manufacturing five Polar Satellite Launch Vehicle (PSLV) rockets from private sector.

Source - gadgets 360°

NASA maps inner Milky Way, sees cosmic 'candy cane'



This image of the inner galaxy color codes different types of emission sources by merging microwave data (green) mapped by the Goddard-IRAM Superconducting 2-Millimeter Observer (GISMO) instrument with infrared (850 micrometers, blue) and radio observations (19.5 centimeters, red). Where star formation is in its infancy, cold dust shows blue and cyan, such as in the Sagittarius B2 molecular cloud complex. Yellow reveals more well-developed star factories, as in the Sagittarius B1 cloud. Red and orange show where high-energy electrons interact with magnetic fields, such as in the Radio Arc and Sagittarius A features. An area called the Sickle may supply the particles responsible for setting the Radio Arc aglow. Within the bright source Sagittarius A lies the Milky

Way's monster black hole. The image spans a distance of 750 light-years.

A feature resembling a candy cane appears at the center of this colorful composite image of our Milky Way galaxy's central zone. But this is no cosmic confection. It spans 190 light-years and is one of a set of long, thin strands of ionized gas called filaments that emit radio waves.

Source:sciencedaily

Early-life exposure to dogs may lessen risk of developing schizophrenia

Findings do not link similar contact with cats to either schizophrenia or bipolar disorder

Ever since humans domesticated the dog, the faithful, obedient and protective animal has provided its owner with companionship and emotional well-being. Now, a study from Johns Hopkins Medicine suggests that being around "man's best friend" from an early age may have a health benefit as well -- lessening the chance of developing schizophrenia as an adult.And while Fido may help prevent that condition, the jury is still out on whether or not there's any link, positive or negative, between being raised with Fluffy the cat and later developing either schizophrenia or bipolar disorder.

"Serious psychiatric disorders have been associated with alterations in the immune system linked to environmental exposures in early life, and since household pets are often among the first things with which children have close contact, it was logical for us to explore the possibilities of a connection between the two," says Robert Yolken, M.D., chair of the Stanley Division of PediatricNeurovirology and professor of neurovirology in pediatrics at the Johns Hopkins Children's Center, and lead author of a research paper recently posted online in the journal PLOS One.

Science daily

Farmers' Kids Win India's Largest Artificial Intelligence, Blockchain Hackathon

The hackathon attracted nearly 10,000 participants across the country.

HIGHLIGHTS

Winning team built app that can analyse crop distress, weather patterns

Team used blockchain for instant and automated claim settlements

Hackathon attracted nearly 10,000 participants from across the country

In a shining example of how Indian youth from smaller cities can now create unique Artificial Intelligence (AI) and blockchain-based applications to solve real-life problems, members of a team -- all hailing from farming backgrounds -- have won India's largest AI and blockchain hackathon, grabbing an all-paid trip to Seattle along with Rs. 5 lakh grand prize. Organised by Icertis, a leading provider of enterprise contract management in the cloud, announced the winners of its AI/ML and Blockchain Hackathon held in Pune over the last weekend.

The innovative solution from the winning team called Blockchain Megaminds utilised Machine Learning (ML) models to build an app that can analyse crop distress and weather patterns.

The team then harnessed blockchain-enabled smart contracts for instant and automated claim

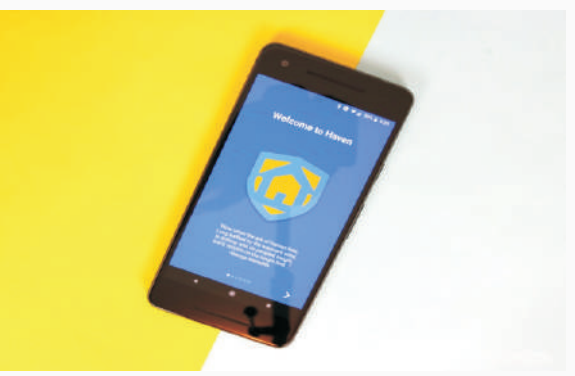
settlements to those adversely affected by crop failures and natural disasters, the company said in a statement on Tuesday.

"We all hail from farming families from remote parts of India. We are delighted that we could combine our understanding of farming and agrarian challenges with our software expertise, to build a solution using the latest AI and Blockchain technology," said Dattatray Jadhav from the winning team.

"We learned a lot from the Hackathon, and are thankful to Icertis for not just the opportunity but also for getting their finest developers and architects to guide and mentor us throughout," added teammate Bhausaheb Galande.

Source - gadgets 360°

US Colleges Turning Students' Phones Into Surveillance Devices, Tracking Locations of Hundreds of Thousands



The systems highlight how widespread surveillance has increasingly become a fact of life: Students “should have all the rights, responsibilities and privileges that an adult has. So why do we treat them so differently?”

HIGHLIGHTS

Colleges across US are tracking hundreds of thousands of students

The systems represent new low in intrusive technology: privacy advocates

We're adults. Do we really need to be tracked?" said a student

When Syracuse University freshmen walk into professor Jeff Rubin's Introduction to Information Technologies class, seven small Bluetooth beacons hidden around the Grant Auditorium lecture hall connect with an app on their smartphones and boost their "attendance points." And when they skip class? The SpotterEDU app sees that, too, logging their absence into a campus database that tracks them over time and can sink their grade. It also alerts Rubin, who later contacts students to ask where they've been. His 340-person lecture has never been so full.

"They want those points," he said. "They know I'm watching and acting on it. So, behaviorally, they change."

Source - gadgets 360°

ENGINEER IS UNEMPLOYED NOT THE ENGINEERING

Ashish Saxena
IAF Officer

Q) First of all sir, congratulations sir for serving in the Indian Air Force to bringing up the country

A: Thanks you so much

Q) I am starting with the first question sir, As you are on patriotic character, testimony of the fact that you choose to work for the forces. What is the journey in Indian Air force?

A) Okay, after leaving HBTI, i have joined tata chemicals as a student engineer and i wanted to go in defence forces and luckily i already got selected in air forces and then, so i joined force in 1977 july and the journey was very good. Working in armed forces is very challenging and for an engineer there is a lot of work which is there because airforce is a high tech force where you have to deal with high technology and luckily i was involved in it and that is for electronic work and information workfare. And Air Force, Government of India send me abroad, the training in Italy, France and US. And I have learned electronic workfare like RADAR. That was very veryspecialised thing. in fact and then better to say beginning of 2002 we had learned various work fares. So this is the Journey, journey was very excited. It was really good.

Q) Your journey in IAF as you told me that very first thing you put there is in the IT and Cyber security initiatives. so sir what sort of thing you did in the cyber security things in defence forces, as you are the engineer from electrical engineering?

A) actually I did my electrical engineering from hbti then after I did my Mtech in Computer technology from IIT Delhi and that was the the time when the computer were coming and in coming to cyber security because we have created setup in Airforce and subsequently I left Air Force in 2003, I was involved in creating computer emergency response in Team India which is mother body of Government of India in cybersecurity. So, now we have to do this in 2003-2004 we handed over to ministry and I was also involved in creating another certain works after leaving airforce. And now i have a company where i deal in cyber security

Q) many of the people or students dealing or learning cyber security security they have a sort of confusion in cyber security. So, what exactly cyber security is?

A) Cybersecurity basically is for maintaining the integrity, confidentiality and availability of information. So the information which is there available when required to the authorised user information should not be corrupted when it is transfer from one place to another place ok and information is to be seen only by authorised people should be confidential so what we call it a confidential to integrity availability of information that that's on the cyber security now this is a basic definition but when you say then you implement it could be any information so presently everywhere you find online transaction all data is there in the on the computer people are using internet for accessing data to incorporate these methods off when the data is being access open internet communication Then it is become difficult. There are various things which come into play because data should should be corrected, there is a attack is there, data theft is taking place. So data protection become important. Then data privacy come. So the different activities has increased a lot.

Q)Cyber crime is a big challenge for a world right now so how do you think any Academy or institution can contribute in the increasing cyber crime?

A) see what happened as the technology is increasing cyber crime is also going accordingly for example in earlier we make payments by using cheques but now we are using online transaction then come to the mobile transactions by using PaytmBhimupi all are these so everyone started using the technology so what happen when you use the technology and you don't know really important precautions which to be taken in the cyber crime. Cyber crime got two basic reasons because they exploit user other than him or user in greed. So these are the two reasons why a personis getting victim of cyber crime. So, either he is greedy or he doesn't know how to use a system. So, what happen in India also crime rate has gone exponentially. The reason being people do not know how to protect their passports, what information to be shared, what to be shared, people are getting theft by fake news like lottery etc. So, they pass on their information which are used by criminals to exploit and presently there are many many cyber crime cases in which innocent people are being fooled, data or bank account money got stolen, so many things are happening. So the need of awareness should be there to tell people how to use the newer technology and the second thing is people should not be greedy . As per the academy i said there are lot of things to be done to make things secure, means you understand about vulnerability. Take example of mobile phones, how to secure mobile phones? And other thing is you should have several measures or technology so that person get to know there is something wrong happening. So, there are lot of things require from technology side to have a guard or to protect someone personal data/information, computer or mobile phones or any website. So involvement of academy is definitely needed.

Ques; From your experience during IAS (Indian air force), what form of the message you want to give to the current set of the students?

Ans; message is that armed forces are really good ,there is a challenging job ,and we suggest that we engineers should join the armed forces and they should work on the latest technologies, what happens that technology is very important and at the end of the day knowledge matters, if you have knowledge you can perform better ,so they should start developing new technologies, the technology is moving fast ,so and defence forces are using high-tech technologies ,so I suggest the people that they should try their best to join armed forces .

Ques; Sir you are the perception of the employability, I want to know from you that why engineering is taking backseat in term of the current career option?

Ans; see what is happening is, we are making more and more engineers and the education quality is not really good ,when I did my btech there were only 5 engineering colleges in Uttarpradesh, but now there are so many engineering colleges in UP ,and everybody is becoming engineer , you know so what happens is that because engineering is an aptitude ,as engineering, medical all these are aptitudes, you can't just take a certificate ,when you are not having that aptitude of engineer, so what is happening because it is a very easy option for anybody to join engineering, now what happens you are engineer but you don't have aptitude of an engineer then there goes the failure ,that guy does not do the engineering but does something else ,now in the market the showmen are the engineers that are flooded and also the people that are becoming engineers are not getting that weightage, when you have so many engineers but they do not have the aptitude and knowledge then the value goes down, so when the value goes down they are not getting the right job, this is shooting the engineer requirement, in that case people bring some other sets, getting into economy, getting into other exercises and they think that they are better paid in that but, I think that if the engineer has the aptitude he can be never unemployed ,I don't believe that the engineer is unemployed, engineer has so many things so that he can earn money just sitting at the home earn money in any way, so the engineer is unemployed then there is something wrong in that particular person, engineering is required everywhere, so if the engineer is unemployed there is something wrong with that person, ENGINEER IS UNEMPLOYED NOT THE ENGINEERING.

Ques; transition from the armed forces which is the committed career option to the MNC's to the difficult entrepreneurship, you told me that right now you have your own company of the cyber security?

Working environment In defence forces as in corporate is totally different, I'm doing well because I was there with the technology so I know how the technology are important and second thing I know armed forces teaches you so many things ,armed forces teaches you the discipline ,armed forces teaches you how to understand the problem and find quick solution ,armed forces teaches you quick decision making, so these things are not available in other people because we are pretty fast in decision making, we take decisions within seconds and our comprehension of the problem is that we find the solution pretty fast so because of the speed of the working, if you have on top of the technology, then you can definitely do best in any organization matter, so the defence services people they really do pretty good, I have seen the people in Israel ,I have seen the people in US,I have seen the people in Singapore, everywhere they are just doing very well.

Ques; Your perception of alumni-institution relation, suggestion to how alumni can help in building in the current outfit?

Ans; alumni has been set up in HBTU, but the thing is that there is not much interaction between the students and the alumni, that what is required, even I have given my name for the mentorship if anybody looking for some help, but nobody approached me in fact, unless somebody approaches us , we can't help, there should be the system where people can write, You can write on mail, call on phone, just like this interview as you called me ,and I said ok, when somebody want help, some guidance, or something I can do that ,but we have not found anybody approaches me, though my name is here, people know about me, so it is like that. So what we require at this time is the local faculty who is there in HBTU ,they should know the right people, some people know cyber security and want to build their career in the cyber security, they should talk to me, somebody want defence they should talk to me ,so I can guide them, so it is like that, but I'm not finding that kind of interaction which is required for the students going the way it is desired.

Ques; what sort of the mindset as of the retired person to be commissioned in the engineering course for the students who want to take defense as the service option?

Ans; nowadays there is a technical examination i.e. qualifying examination. earlier technical examination was not there in my time but now it is there, so they check the base technical knowledge. thereafter, there is SSB the Service Selection Board ,where the candidate is tested that he has the option like qualities, technical knowledge or not , in that case the physical fitness as one, mental thing is good so there is a quick decision making and solving the problems, how to command the team so they can give the good task result. So, they have to workout the people, some people are good in doing the work by themselve and they have to take work from the people also. So, all these skills are required are tested and the person should be in the position to speak in front of the people without any hesitation. so, these are the personality traits are required and if one doesn't have then should get that one, train for that, understand that based on that the selection take place.

Any message you want to convey to the students-

Message is that one should not jump to the things, everything should take step by steps ,so one has to work hard, no compromises and then the gaining of the knowledge with understanding is very important, if you have knowledge that does wonders for you.

From "Saheb" to Meme Material, has Engineering lost its charm?

There was a time when engineers were revered all over the country. Having even a diploma was a matter of prestige in the society, while a bachelor's degree was sure enough to put you into the elite. And yet, within a span of a few decades, the fall from grace has been Brobdingnagian. There is not a single feed on any social media account that shall not contain a demeaning meme aimed towards the engineer community.

The reason, you ask? Simple. "Too much of anything is bad." India, after witnessing the revolutionized economy and a surge in industrialization with the advent of technology, mainly in the IT sector, had all optimum conditions for a boost in higher technical education. More youth than ever, parents with money to spend, job opportunities, private investors with a load of unaccounted sum to be invested and a government looking to increase the employment and literacy figures, the quality of education being imparted was way behind in the priority list. With the arrival of "management quota" seats, students need not even qualify entrances. Splash the cash and get the degree. All of us have schoolmates in engineering who were average or below even in high school.

Such students, who score in the range of 15% to even negatives in entrances, will they even be able to do justice to the course? Low scores simply reflect their lack of concepts; so can they be a decent enough professional? Absolutely not. And here comes the banter. If you are good for nothing, you will become a joke. Unemployment and low wages are mocked off, but the concerns must be real. Parents forcing children to engineering shall be made aware of the situations. But unfortunately, they are a victim of a vulture that the intermediate education has become. High time for the upcoming generation of parents, i.e. us, to not let their children undergo a similar trauma and bring back the charm to the profession it once held.

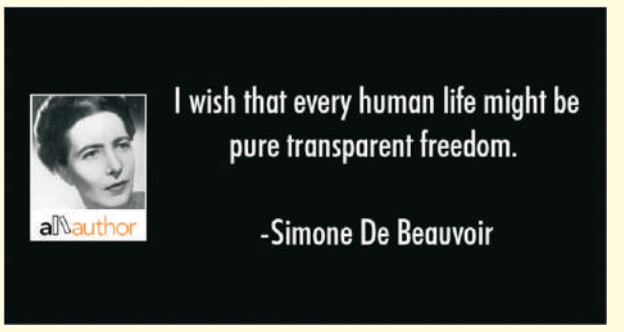
Mayank Mishra
Final Year
Electrical Engg.

Women are not born but made. What's better than India to exemplify this statement by Simone de Beauvoir.

Why women need to have wings in order to drive our country forward?

See the real problem is basically gender, Where gender shouldn't be a problem for anything. We live in a society where people act so open-minded like they are actually living in 2019 but inside they are still in 1947 like the time where girls are still not allowed to do what they really want. When our country got its Independence, the participation of women nationalists was widely acknowledged. When the Indian Constitution was formulated, it granted equal rights to women, considering them legal citizens of the country and as an equal to men in terms of freedom and opportunity. The sex ratio of women at this time was slightly better than what it is today, standing at 945 females per 1000 males. Yet the condition of women screamed a different reality.

Its 2019 and girls are so restricted for doing things they really want. Some parents act like they are really cool and they belong with the thinking of today's youth and they are so-called open-minded parents. I have seen parents telling other parents that they should let their kids do whatever they want but when the pointer points at them they are the one who



doesn't allow their kids what their kid really want to do. It's easy to say but when it comes to acting its difficult. Basically, the problem is "STATUS", Parents are so concerned with the status symbol of their kids rather than their kid's happiness.

See there is a major line between protective parents and letting their daughters do what they dream of. It's okay as a parent to restrict time and boundaries for the kids but not letting them do whatever they want is just clipping their wings. Setting up of curfew is a necessity in this animal world but restricting them to go outside is where the line is drawn. And even if some of them get educates further there comes a point in their life during job or education when they are asked to get henna on their hands and vermillion on their foreheads.

Women are not born but made. Let them live. Let them have wings. Let them fly.

Let's take a pledge that will not create gender inequality and if someone is doing it we will not stay quiet and will take the right action against it.

A small change can create a large difference. Let's start with ourselves.

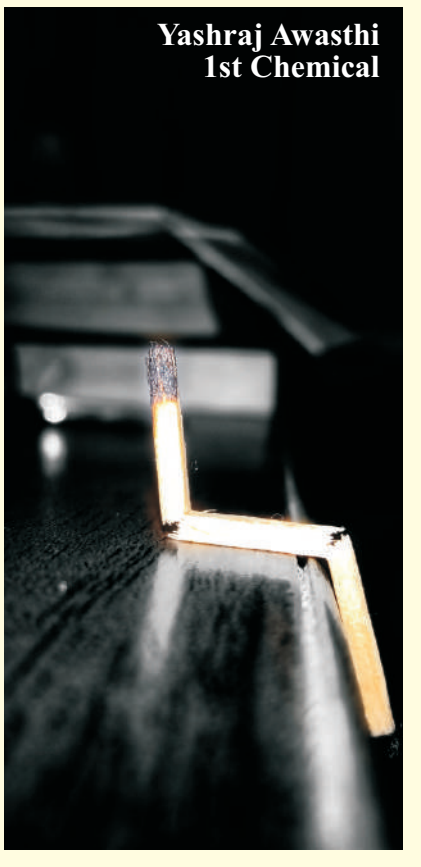
Thank you
Aryan Bhartiya

Hey there
Just wanted to give you a positive message
We people are so much stuck up in our own vague thoughts.
We worry about people and things in ways as if it's a matter of life and death though we recognise that they ain't going to serve any purpose in life.
We are so busy taking revenge for things that rejected us, so involved in unleashing our demons that we do not realise who we are.
Life has so much to give us.
There are literally innumerable places on this earth we haven't explored yet.
There are so many people in this world with their own stories.
There is so much of beautiful music, enough for you to forget all your problems for sometime.
There is an abundance of things that you don't know yet.
Our generation is a sad one, with happy pictures and unlimited fake portrayal of stuff we don't actually do in our real life.
But what we don't realise is, how much blessed we are.
What else do you need from a mortal life?
Count on your blessings before stepping up and destroying things that you have.
Life can end any second.
Give yourself a second chance. Or a third, or a thousandth one.
Your time and energy is in your hands.
Understand and realise your potential.
You ain't weak.
Fight for yourself, your peace, your life.
Stop wasting your time on things that keep on pushing you away.
There's a lot out there in this world that will provide you more than you're thinking you've lost.
Open your soul to the best of the blessings coming your way.
Welcome love, peace, friendship and art.
Maintain distance from things that you find troublesome.
Kill the mean 'you'
Embrace your beauty. Love yourself.
It's important to know your worth.
Your manifest love and affection shall return back to you at all cost.
Keep up with things.
Be transparent with your intentions.
Be beautiful, be you.

Nemishi Arvind
3rdB.Tech Bio Chemical Engg

Iswi Varshney
1st Chemical

Anushree Trivedi
1st Chemical



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