



THE PULSE OF HBTU

Fortnightly Newsletter

OCTOBER 16, 2019
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GANDHI JAYANTI CELEBRATION

2nd October is celebrated every year in the country as Gandhi Jayanti to commemorate the birthday of the 'Father of the Nation' Mohandas Karamchand Gandhi and as Shastri Jayanti to solemnize the birthday of the second prime minister of independent India, Lal Bahadur Shastri. This day is celebrated as the international day of non-violence as Gandhiji was the preacher of non-violence. He is a symbol of peace and truth. This day was celebrated by the students and the faculty members of Harcourt Butler technical University and on this occasion the students assembled in auditorium at 8:00 a.m. dressed in formals and participated and gave speeches recited several poems with great enthusiasm to pay tribute to both the personalities.

Pragya Bharati, first B. Tech, Chemical Engineering, gave a speech to pay tribute to Father of the Nation to remember the courageous deeds on the way of Independence struggle for the country from British rule. He was the pioneer of truth and non-violence who started the Satyagraha movement for India's freedom. Aditya Mishra, first B. Tech Chemical Engineering, gave a speech on the life of Lal Bahadur Shastri who popularised the slogan 'Jai Jawan Jai Kisan' recognising the need for self sustenance and self-reliance as the pillars to build a strong Nation. Shreya Dwivedi, first year B.Tech Oil Technology, recited a heart touching poem depicting patriotism for our nation and many other students participated as well.

Our honorable Vice Chancellor Prof. Dr. N.B Singh encouraged and congratulated the speakers and conveyed the message to follow the path of harmony and peace. As preached by Mahatma Gandhi he said that, "People take this day to remember man

who is responsible in a huge way for the lives they are leading today". Besides this, he laid stress on the topic of 'Swachh Bharat Abhiyan'.

Dean Students' Welfare Prof. Ram Naresh Tripathi discussed the various aspects of Gandhiji's life, his childhood, simple lifestyle but high thinking. He was pioneer of truth and non-violence who started the Satyagraha movement for India's freedom. He not only pioneered the unique method of non-violence to get freedom but also proved the world that freedom can be achieved peacefully.

Head of Mechanical engineering department, Dr. Anand Kumar reminded us the importance of kindness, truth and non-violence, resilience, simplicity and peace- all things Mahatma Gandhi stood for. Finance Controller, Shri Rajesh Singh spoke about the life of Lal bahadur Shastri who was a man of exceptional will power that was built by his small frail stature and soft spoken manner. In continuation of this, Dr. Raghuraj Singh, Head of the Department of Computer Science and engineering told that Shastri ji wished to be remembered by his work rather than well-rehearsed speeches proclaiming lofty promises.

Associate Prof. Civil engineering Department, Mr. Prithvi Patel upheld the values of Gandhiji and highlighted the sacrifice he made for the country.

Several faculty members and staff members shared their views as well. At the end of the event, all the faculties and students were thanked for making this a successful event and the event ended with a patriotic feeling in the hearts of staff and students.

Tributes paid to Abdul Kalam on 88th birth anniversary

Rameswaram (TN), Oct 15 (PTI) Former President A P J Abdul Kalam was remembered here on his 88th birth anniversary with the late scientist's family and the district administration paying tributes at his memorial here.

The leader's memorial at Pekarumbu was dazzling with electrical lights and floral arrangements, as there was a steady stream of visitors including school children who paid homage to the former president.

Ramanathapuram district collector K Veera Raghava Rao paid floral tributes at the memorial while Kalam's relatives led by his elder brother Muthu Muhammad Meera Maraikkayar held special prayers.

School children also paid floral tributes and took a pledge to follow Kalam's ideals.

An American Indians Association, as part of honouring the late leader's services, presented a prize for Global Peace, which was handed over to Maraikkayar.

An artist from Salem drew a portrait of the former president

Source-pti

The Booker Prizes

Jury breaks rules, Booker Prize awarded jointly to Margaret Atwood and Evaristo, Salman Rushdie misses out

The Booker rules say the prize must not be divided, but the judges insisted they "couldn't separate" Atwood's 'The Testament' and 'Girl, Woman, Other' by Evaristo, who is the first black woman to win the prestigious award since its creation in 1969.

Press Trust of India

The Booker rules say the prize must not be divided

The rules were changed after the last tie in 1992

British Indian novelist Salman Rushdie's tragicomic 'Quichotte' was among the six books shortlisted for the prize

Margaret Atwood and Bernardine Evaristo jointly won the 2019 Booker Prize on Monday after judges "flout" the rules by declaring a tie.

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The rules were changed after the last tie in 1992, and organisers told this year's judges that they were not allowed to pick two winners.

Sorce- India Today

IIM Bangalore signs MOU with Ministry of Skill Development & Entrepreneurship

IIM Bangalore has signed a contract with the Ministry of Skill Development and Entrepreneurship to launch a new programme named the 'Mahatma Gandhi National Fellowship' (MGNF). The two-year Fellowship programme will be delivered by IIMB's Centre of Public Policy (CPP), which is an independent public interest-oriented policy think-tank engaged in pioneering research, teaching, training, and capacity-building. The MGNF will be launched on a pilot basis in Gujarat, Karnataka, Meghalaya, Rajasthan, Uttar Pradesh and Uttarakhand. Eligible Fellows will need to have a graduate degree from a recognized university, and be in the age group of 21-30 years.

On satisfactory completion of their engagement as well as the course requirements, the Fellows will be awarded a Certificate in Public Policy and Management from IIM Bangalore.

The Centre for Public Policy at IIM Bangalore, established in 2000 through a partnership agreement between the Department of Personnel and Training (DoPT), Government of India (GoI), United Nations Development Programme and IIMB, aspires to lead policy-thinking and praxis in India, promoting equitable, inclusive and sustainable solutions to the concerns of citizens and public governance.

The future is female: NASA all women spacewalk to happen this month

In a progressive move, NASA will conduct an all female spacewalk this month (October). Astronaut Christina Koch and Jessica Meir, tasked with replacing faulty device at International Space Station, will embark on this 'historic' effort.

The spacewalk, known as an extra-vehicular activity (EVA) in astronaut jargon, took place seven months after the original planned date for an all-female outing, which had to be scrapped because the ISS had only one medium-sized spacesuit on board. The agency sent up a second medium spacesuit in October.

Tracy Caldwell Dyson, a NASA astronaut who completed three spacewalks as part of the Expedition 24 crew on the ISS in 2010, said: "This is significant ... As much as it's worth celebrating; many of us are looking forward to it just being normal."

Koch, 40, is due to remain on the ISS until February, bringing her total time in space to 328 days, the longest single spaceflight by a woman and just short of Scott Kelly's 340-day record. Researchers are collecting extensive biomedical data on the impact of spaceflight on Koch's body. The majority of data available is on male astronauts, but there is some evidence that there are sex differences in responses to a space environment.

Previously, 14 women and 213 men have carried out spacewalks. The first woman was the Russian cosmonaut Svetlana Savitskaya, who went outside the USSR's Salyut 7 space station in 1984.

India to Gift 75,000 MT of Wheat to Afghanistan

India will gift 75,000 metric tonnes of wheat to Afghanistan in November, announced Ambassador Vinay Kumar. The Indian envoy made these announcements while speaking at the 37th anniversary of the Afghan Red Crescent Society's (ARCS) Special Week. India sent its maiden cargo of wheat to Afghanistan through the Chabahar port in Iran, bypassing Pakistan, in October 2017. The Indian government has supplied 1.1 million tonnes of wheat for the people of Afghanistan on a grant basis.

The envoy also spoke about cooperation between India and ARCS including financial assistance for the treatment of Afghan children suffering from congenital heart disease.



PMC Bank Crisis: Supreme Court to hear plea on 18th October

A plea seeking 100 per cent insurance protection for the deposits of over 15 lakh customers of crisis-hit Punjab and Maharashtra Co-operative (PMC) Bank will be heard by the Supreme Court on Thursday.

Angry customers of the troubled bank today gathered outside a court in Mumbai as it sent three former executives of the bank and its borrower.

Former chairman of Punjab and Maharashtra Cooperative Bank (PMC Bank) Waryam Singh and other accused Housing Development and Limited directors Rakesh Wadhawan, Sarang Wadhawan have been sent to judicial custody till October 23 by Esplanade Court in Mumbai.

Mercedes-Benz launches G-Class SUV G350d: Priced at Rs. 1.5 crore



Mercedes-Benz has launched its first non-AMG G-Wagon in India at Rs 1.5 crore (ex-showroom). Until now, the G-Class was only offered as the AMG G 63 variant, which is a sportier version of the SUV.

The new G 350 d comes with a 3.0-litre six-cylinder diesel unit that produces 285PS of max power and 600Nm of peak torque. It also gets three differential locks, retaining its off-roading capability that all the versions of the G-Class are known for. The AWD drivetrain comes coupled with a 9-speed automatic transmission.

Mercedes also offers a high-level of personalisation for the G-Class via the G Manufaktur line of optional extras. Although it does not have any direct rivals, the G 350 d takes on the likes of the Land Rover Range Rover Sport and the Toyota Land Cruiser LC 200.

Facebook Libra: Is this what we need?

On June 18, 2019, Facebook announced Libra; its own permissioned blockchain digital currency (cryptocurrency). The creators of the coin are listed as Morgan Beller, David Marcus and Kevin Weil (Calibra's VP of Product). A first version is projected to be released in 2020. On July 15, 2019, Facebook announced the currency will not launch until all regulatory concerns have been met and Libra has the "appropriate approvals". In a meeting with top Senate Democratic leaders on September 18, 2019, Facebook chief executive Mark Zuckerberg told lawmakers that Libra would not be launched anywhere in the world without first obtaining approval from United States regulators.

But Libra's future is already in Dark with growing scrutiny over its future and monetization plans. PayPal is backing out of the nonprofit governing Facebook's cryptocurrency project, the company announced. PayPal was one of 28 corporate backers of the project, which quickly gained scrutiny from lawmakers and regulators around the world. Visa, MasterCard, eBay, Stripe, and Mercado Pago have all withdrawn from the Libra Association, dealing a major blow to Facebook's plans for a distributed, global cryptocurrency. The withdrawals leave Libra with no major US payment processor, a serious issue for the fledgling project. They also come just one week after PayPal (eBay's former subsidiary).

The first official meeting of the Libra Council is in just three days, scheduled for October 14th in Geneva. That meeting will likely result in more specific commitments from all the members involved, which may have inspired some of the recent defections. Still, the departures leave the project in a precarious place as Libra hopes to move beyond initial criticisms of the project.

Libra was greeted with widespread criticism after the cryptocurrency was announced in June. Facebook's involvement caught the attention of senior congressional finance committee members, global regulators, former lawmakers and industry insiders who questioned Facebook's motives.

Air India becomes first airline to use 'TaxiBot' on A320 aircraft with passengers onboard COMMENT

Using Taxibots will bring down fuel consumption. Air India on Tuesday, 15th October, became the first airline in the world to use a Taxibot on a A320 aircraft with passengers on-board. Taxibot is a robot-used aircraft tractor for taxiing an aircraft from parking bay to runway and vice versa. On Tuesday morning, the national carrier's Chairman and Managing Director Ashwani Lohani flagged off flight AI665 — which was carried to runway using Taxibot at terminal 3 of the Delhi airport — to Mumbai. With Taxibot, it is possible to tow an aircraft from the parking bay to the runway with its engines switched off. It is a pilot controlled semi-robotic towbar-less aircraft tractor, used as an alternate taxiing equipment

From the desk of Vice Chancellor

Character Development: Part 1 The missing 'Sanskars' in today's generation.

The missing 'Sanskars' in the students of the current generation is one great problem to be addressed and it is the need of the hour to understand that if one person has good 'sanskars', then whatever he or she will do, that will be for the good of the society. One will think for the sake of the society and grow simultaneously.

Everyone gets opportunities in their life but how many of us are able to recognize them in time? Dr. Jayashankar Prasad, one of the greatest novelists of India, said in one of his stories that opportunity has 'a closed forehead and a barren back head'. 99.9% people are unable to recognize the opportunity when they get it (because it has a closed forehead) and by the time it leaves, they realize that it was an opportunity and then they try to catch it from the back, but as we know it has a barren back head (no hairs on back head) they fail to grab it. The sanskars, which provide benefits to the entire society, actually make our bodies and mind capable enough to recognize the opportunities at the right time. Those who make efforts to make more stones unturned, they get to know these opportunities at the right time and they are ones who keep climbing the ladder of success one after the other.

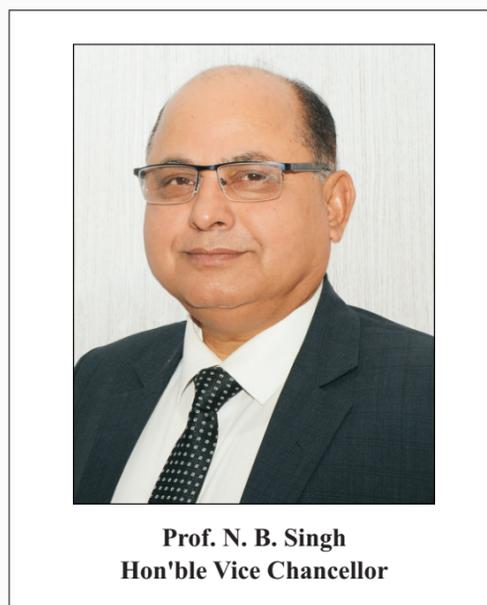
India has a rich history regarding the way we pay respect to our elders. There are many instances where we come to know how much we Indians regarded our elders. The younger ones used to touch the feet of the elder ones. Every time we met someone, we used to greet them with a 'Namaste'. Nowadays these values are falling apart in the current generation.

Today's youth should know that if they want to get successful in their life, they will need the support of other people too. If they want people to recommend them, then they have to request, listen to others, as well as, help others. Then only people will get convinced and recommend you.

Story of Lord Rama is another great example. For instance let us see the epic with a non-religious view. Rama, son of King Dashratha, prince of Ayodhya was exiled for 14 years to live in a forest. The reasons being purely political, a conspiracy was planned out to send the elder son away and provide the throne to younger one. This shows that even at that

time the conspiracies were done in order to grab the throne. Such is the nature of throne, wherever there's a throne, there's a struggle to get it.

There in forest, Ram's wife, Sita, was abducted by the Demon King Ravana. Ravana was a very learned and a powerful king but still he did such an act. Parallel to this there was the case of Monkeys' King Sugriva and Bali where Sugriva's wife and kingdom were captured by Bali. Rama, the prince of Ayodhya, represented the throne even he was exiled. He came to forest as a human and brought nothing. Then what he did? He brought all the tribes (cole, bheel, etc) and



Prof. N. B. Singh
Hon'ble Vice Chancellor

animal kingdoms together and created an alliance. He even brought the divided monkey kingdom together by helping Sugriva to get his kingdom and wife back by killing Bali. Then they all formed a great alliance and launched a combined attack on the demon king Ravana. How he could do such a mammoth task? Because he was a god? No! We call him a god only after we have seen his heroic deeds in his lifetime. He guided the illiterate people to build a bridge across the sea. How come he motivated them for such a huge task? And at the same time he was so kind hearted that he even consumed the already tasted plums which were offered to him with great affection by Shabri.

the Vice-President of Oil Technology Association of India. Prof. R. K. Trivedi, head of department of oil technology and President of oil technology association of India said that biodiesel produced from edible oil is more eco friendly. Currently, the lesser amount of production of biodiesel is the cause of its costliness.

Edible oil after using becomes dangerous as Aldehyde, ketones, polymers and harmful elements can be found in it. Polymers are responsible for causing cancer and fatty acids can lead to various cardiac diseases. He also said that there is a shortage of production of biodiesel in India as far as the demands are concerned. Due to this deficiency in production with respect to the demand we are dependent on foreign countries for the fulfillment of our needs. In order to fill this gap between demand and supply of biodiesel, amendments need to be made by both the farmers as well as the oil industries. Use of green technology to produce biodiesel was also kept forward in this two day summit. With the use of green technology we can convert edible oil into biodiesel without harming the environment mentioned Mr. Rajiv Arora, Executive Vice-President of Muez Hest India Private Limited. Dr. S.K Jain stated on steam and energy audit that we can save energy in the industries by using green technology that would help in minimum and optimum utilization of finance and also lead to economic prosperity.

He was denied the throne, so he made his own kingdom. So was his courage. He had such a powerful character. He took the lead, brought people together, made their vision clear and always kept his army, his alliance motivated. And at the same time he also respected elders and everyone he met and was eventually making them his ally.

Rescuing Sita was the reason which kept the entire alliance motivated but how? Sugriva had the same problem and so Rama co-related the problems and helped Sugriva to get his wife back. And respecting the terms of the vow which 'Sugriva' made to Rama, Sugriva gave him his full army. Such was the character, he knew that he's powerful enough but still he battled with them who were not his direct enemies in order to make people realize that he can be the leader if people come after him. Did he not make the title of 'Maryada Purushottam' relevant?

A well wisher, not just for his people but for each and every creature on this earth. Never ever he thought of any woman other than Sita, although polygamy was prevalent at that time. An outstanding leader who cared not just for the accomplishment of task but also about the people who did help him in accomplishing it. Being a symbol of strength and unity, he was an excellent administrator. He portrayed such values in his lifetime that his life became an example for the people to learn. The sanskars he had shown made people recognize him as a god.

And if we talk about the current scenario, if you go and ask the majority of youth about the sanskars, you will find that they are least concerned about it. Generally people relate sanskars to the '16 sanskars' as told in the hindu religion but those are just the practices. Actually sanskars are responsible for the character building and embedding the values in a person. They develop the personality of an individual.

Academic excellence and sanskars are equally important for the students. Sanskars are responsible for embedding the values which help one to become successful. They help you to recognize an opportunity at the right time. They guide us to thrive in the situations which are against us. They make us not just a better human but also lay the foundation of a better society.

Reusability of oil



HBTU held a two day conference on "Process audit in oil seeds and oil processing industries" in which it was discussed as to how biodiesel can be produced from the oil used several times for cooking on 29th September, 2019. The quality of the oil degrades after several uses making it unconsumable. According to Food Safety and Standards Authority of India, all the oils with total polar compound more than 25% are inedible and dangerous. Machines are being provided to the shopkeepers so that they can check whether the oil is still suitable to use or not after its reuse. This point was put forward by Dr. D Mathur, who is

WORLD STANDARDS DAY, celebrated on 14th October, 2019

A Symposium of the event of "World Standards Day" was organized in The Radhakrishnan Auditorium in the University premises in the presence of BIS chief Mr M.S.J. Vinod on the topic "Standardization in Online video streaming as a global topic", on 14th October, 2019.

Honorable Vice Chancellor of HBTU Professor Dr. N.B. Singh was the Chief Guest of the event. It was also presided over by Dr. R.K. Trivedi, Head of the Department of Oil Technology and Mr. Divyanshu Yadav, Scientist, B.I.S. Also Professor Dr. Rajesh Hegre of IIT Kanpur and Professor Krishna Raj of HBTU, Kanpur through the concept of 'Immersive Virtual Reality System', explained the need of 'Hallmark and I.S.I' via video presentation. Scientist Mr. Divyanshu Yadav gave a message on why it is important to have standards in life. Due to Digital India scheme launched by the government, Online video streaming like Netflix, Amazon Prime etc. are on its peak and are paving a way for transformation and technical advancement.

But knowing the standards these video Streaming in various sectors like healthcare, education, Entertainment or sports is our job, as these videos are directly or indirectly influencing the way of a global development.

Release of two diagnostic kits developed under 'Make in India' initiative by Indian Council of Agricultural Research - Indian Veterinary Research Institute, Izatnagar

Two diagnostic kits developed by Indian Council of Agricultural Research (ICAR) - Indian Veterinary Research Institute (IVRI) under the 'Make in India' initiative, namely the Bluetongue sandwich ELISA (sELISA) and the Japanese Encephalitis IgM ELISA kit for the control of Swine and Detection of

Talking about the Japanese Encephalitis (JE) ELISA Kit (IgM) for Swine, Dr. Mohapatra mentioned that the JE is a re-emerging viral zoonotic disease leading to death of children every year in the country. It is really helpful for assessing the active infection of JE virus in the swine population which predicts the outbreak of JE in the humans. IVRI developed is available for the farmers at a minimal price of Rs. 5,000 only.

Highlighting the key features of another Kit "Bluetongue: Sandwich ELISA for detection of Antigen", Dr. Mohapatra stated that the Bluetongue (BT) virus is an insect-transmitted viral disease of domestic and wild ruminants that includes the camelid species. Highlighting the key features of another Kit "Bluetongue: Sandwich ELISA for detection of Antigen", Dr. Mohapatra stated that the Bluetongue (BT) virus is an insect-transmitted viral disease of domestic and wild ruminants that includes the camelid species.

A special wheat that could help fight India's hidden hunger

A new category of wheat, first developed in Mexico, may hold the answer to several health issues with Indian kids. Fortified with zinc and iron, it has already been tested in some parts of India, with encouraging results

India has made impressive gains in overcoming hunger, but the fight against "hidden hunger" remains a huge challenge. Nearly three out of five children below age 5 and more than half (54%) of all pregnant women in the country are anaemic. Close to two out of five kids in the same age group are stunted and more than one in every five is wasted, which means they are too thin for their height.

Source : India today

VENUS IS THE ONLY PLANET TO SPIN CLOCKWISE



Our Solar System started off as a swirling cloud of dust and gas which eventually collapsed into a spinning disc with the Sun at its centre. Because of this common origin, all the planets move around the Sun in the same direction and on roughly the same plane. They also all spin in the same direction (counterclockwise if observed from 'above') – except Uranus and Venus. Uranus spins on its side, while Venus defiantly spins in the complete opposite direction. The most likely cause of these planetary oddballs are gigantic asteroids which knocked them off course in the distant past.

How do oxygen levels affect cell metabolism?



Will the discoveries that won the Nobel Prize for Medicine help in the fight against anaemia and cancer?

The story so far: This year, the Nobel Prize for Physiology or Medicine was awarded to three scientists, William G. Kaelin Jr. from Howard Hughes Medical Institute, Maryland, U.S., Sir Peter J. Ratcliffe from Francis Crick Institute, London, and Gregg L. Semenza from the Johns Hopkins Institute for Cell Engineering for their discovery of how cells sense and adapt to oxygen availability. The three scientists have uncovered the genetic mechanisms that allow cells to respond to varying levels of oxygen.

Why is it important?

Oxygen is used by all cells to convert food to useful energy. While oxygen is essential for the survival of cells, excess or too little oxygen can lead to adverse health consequences.

Oxygen supply temporarily reduces in muscles during intense exercise and under such conditions the cells adapt their metabolism to low oxygen levels. Proper growth of the foetus and placenta depends on the ability of the cells to sense oxygen.

Drugs have already been developed to treat anaemia by making the body produce increased number of red blood cells. Similarly, drugs to increase oxygen availability in people with heart disease and lung cancer are being tested. Many diseases can be treated by increasing the function of a particular pathway of the oxygen-sensing machinery. At the same time, inhibiting or blocking the pathway will have implications in treating cancer, heart attack, stroke and pulmonary hypertension. Cancers are known to hijack the oxygen-regulation machinery to stimulate blood vessel formation and also re-programme the metabolism in order to adapt to low oxygen conditions. The reprogramming of metabolism gives cancer cells the plasticity to shift from a state where they have limited potential to cause cancer to a state when they have greater

potential for long-term growth. Efforts are under way to develop drugs that can block the oxygen-sensing machinery of cancer cells to kill them.

Source : The Hindu

India's first e-waste clinic to be set up in Bhopal

After inspecting the garbage and plastic recovery centres in Bhanpur here, CPCB officials discussed the clinic with BMC officials. A three-month pilot project, the clinic, if successful, would be replicated elsewhere in the country.

"Electronic waste will be collected door-to-door or could be deposited directly at the clinic in exchange for a fee. The CPCB will provide technical support at the unit," BMC Additional Commissioner Rajesh Rathore told The Hindu.

At present, there was no estimate of the quantity of electronic waste generated in the city, he added. "Hazardous waste will be sent to Bengaluru for recycling," he said.

Door-to-door collection will happen in two ways. Either separate carts for the collection of e-waste will be designed, or separate bins will be attached to existing ones meant for solid and wet waste. The clinic is being conceived in compliance with the Solid Waste Management Rules, 2016.

In the absence of a safe disposal mechanism, electronic waste at present is being disposed of along with other waste, said Mr. Rathore. "A suitable site for the unit is yet to be identified," he added.

Source : The Hindu

PLACEMENT RECORD

NAME	BRANCH	COMPANY NAME
SHWETA UPADHAYA	CE	SAMSUNG ENGINEERING
ANSHULDEEP RUHELA	CHE	SAMSUNG ENGINEERING
SAHIL RAINA	EE	SAMSUNG ENGINEERING
SHIVAM SHARMA	ET	SAMSUNG ENGINEERING
ABHISHEK SINGH	ET	SAMSUNG ENGINEERING
MANYA MEHROTRA	FT	UNITED BREWERIES
POONAM KUMARI	FT	UNITED BREWERIES
PRIYANKA AGARWAL	FT	UNITED BREWERIES
RITIK DWIVEDI	FT	UNITED BREWERIES
SHASHANK SINGH	FT	UNITED BREWERIES

Success rate in the startup is 2-3% but risk worth it

Q. Passing out from Chemical Engineering in 1981 from HBTL. You worked on the various positions like President Vice President and right now owner and partner in big Companies. How you see your journey?

Ans. After doing my chemical engg., I did my M.B.A from Punjab University Chandigarh. I joined Millipore India as application specialist and served in that company on the various positions like sales manager, general manager, V.P. and finally in 1999 I became the President. After 11 years in Millipore I did consultancy for few companies and also started my own companies. Journey is overall very good even up and down in companies we are growing at a CAGR of 28% from last 11 years.

Q. What sort of mindset is needed to start a startup and whether it is a right choice for a student to start an own venture?

Ans. When I started my career there were not so much of ecosystem available as now days for the startups. Student has a lot of energy and you can take the risk. Risk taking chances becomes lesser with the age because of responsibility. Success rate in the startup is 2-3% but risk worth it. There are two types of startup one is Innovative startups and other is normally business one. In Innovative startup one come up with new Idea or business which is not necessarily needed to be a new technique, Technology is just to help you to develop your product, it can't be a complete product. When you are starting a startup it is necessary to be very clear what problem you are solving and solution you are providing is better than the previous problem, Is it Faster, Economical, and effort saving or not?

Q. There is a lot of funding issues come with the Innovative startup by the student. How you see this Issue?

Ans. Nowadays in India there is lot of chance to have a successful startup but nobody is

ready to believe student as a business venture. Now we have angel investors, venture capitalist and private equity they all provide you fund on the stage of the startup and no every college has Incubation centre through the Indian government scheme Atal Incubation Center by which govt is releasing up to 10 crores to each institute and now it is up to the students to come up with new idea and make it success.

Q. What sort of facilities and ecosystem an Institution should have to promote the culture of startup?

Ans. When a student comes up with idea it is more technically sound not as a business. So every Incubation centers comes up with the mentors who are successful business people. There is a lot of Inputs are needed in term of a business to survive about model of investment, running expenses, how to earn, how to seal and



Mr. Sudhir Kant
Ex. President Millipore India Ltd.
Mentoring Challenging Startup Assignments

what should be the cost and marketing procedure. So for all these we need two types of mentors one financial mentor other technical mentor.

I always suggest that to give these mentors some stake in venture so they assure that new venture will become successful.

Institutions should be very careful that fund

provided through Atal yojna is a loan not a donation.

Q. How you see the role of Alumni to promote the culture of the startup in the University?

Ans. Every Alumnus has immense attachment with his Institution but the issue is that who is going to take the first step. As an Alumnus when we come there is nobody ready to welcome us. Once I went to US to my boss and got the 50 lakh rupees to do R&D in India. I went to 10 colleges in Bangalore with this money and asked them to come up with idea, but none of them came back.

So there is a need to do these activities as a joint activity between the university and the Industry. HBTU has such a big alumni network and with lot of money but there is a need that someone should make proposals and meet these alumnus around the globe and make a system and invite alumnus. At the time of refurbishment of the cafeteria our batch collected 5-10 lakh now they are doing so good even they can collect crores.

So the point, somebody has to take the pain, it should be by the institute and mainly by the students.

Q. How you see Bio-Tech sector for the Startups?

Ans. Bio-Tech Industry cannot be the startups by the student but if it done by the experience holders than there is a lot of potential and huge capacity to earn money. Bio technology has so many braches that's why future is very good. Unfortunately India is not putting money in the biotech companies, we are at research side where nobody is thinking out of box.

I am mentoring a guy who is from UP who developed a diagnosis test for diabetes which now cost 70 Rs and his test cost just around 1 Re. Student should given a good exposure by giving them chance to visit labs and allow them to meet the experts.



The Class Representatives, 1972-73



Main Building of Harcourt Butler Technological Institute, inaugurated in 1921 and extended at various stages. The lower storey houses the administrative offices and the laboratories, while the upper storey houses a spacious Library and the class - rooms.

मांगू क्या इजाजत तेरी

मैं शामिल हुआ तेरे जनाजे में,
तेरी रूह को तुझसे बेजार करने को।

मांगू क्या इजाजत तेरी मै,
तेरे बुलाने पर तुझे इंकार करने को।

बदनाम किया पूरी कौम में मुझे बेवफा कह कर,
आखिर मैंने ही इजाजत दी थी इलजाम मेरे सिर धरने को।

इजाजत दे मुझे इस दफा एक जान की,
जी चाहता है तेरे जिस्म की खुशबू में फिर से उतरने को।

आगाज किया था मैंने आज तुझे अंजाम करने को,
कितना चाहता है दिल तुझे इनाम करने को।

फिर से भरी महफिल में मुझे याद आने का शुक्रिया,
एक और जश्न में मेरे आशिकों की उम्मीदें बर्बाद करने को।

फिर से भरी महफिल में मुझे रुलाने का शुक्रिया,
मेरी जिंदगी के बचे हुए कुछ पल मुझे आबाद करने को।

यह लोग बैठे हैं तालियां बजाते, यह सब सुन रहे हैं
इजाजत लूँ क्या तेरी, तुझे बदनाम करने को।

शायर हुआ मैं तेरी वफाओं में, अरमान है,
कभी तू भी तो आ मुझसे मेरी शिकायत सुनने को।

हर मयखाने में भटकता रहता है यह मयकश,
वह एक गुनाह वह एक गुनाह सौ बार करने को।

तू मेरा है यह वादे मुझसे सर-ए-बाजार करने को,
तेरा लाख शुक्रिया उन वादों से हर रोज मुकरने को।

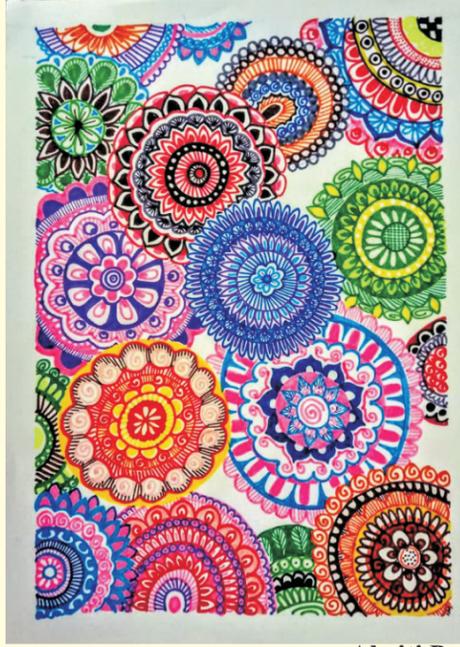
कत्ल करता हूँ रोज खुद का मैं लफजों की खंजर से,
इजाजत नहीं देता मेरा खुदा तेरे बगैर मरने को।

ए मेरे कातिल तुझे सजा होगी मुझे ना मारने की,
जा, जा तुझे एक और मौका दिया मैंने सुधरने को।

तुझसे इश्क करने को या नदामत करने को,
मांगू क्या गुनाह तुझसे मैं इस बार करने को।

मांगू क्या इजाजत तेरी,
तेरे बुलाने पर तुझे इनकार करने को।

-Aditya Pandey
3rd B. Tech. ET



Akriti Pal
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मुश्किलें गर भारी पड़ने लगे तो, जोर पूरी शिद्दत से लगाना।
हो सकता है आंखे नम हो जाएं पर, उस एक पल भी अंदर से
मुस्कुराना।

आज जो है हो सकता है कल ना रहे वैसा ही,
इसलिए तूफान में फफक भले जाना लेकिन लौ कभी मत बुझाना।

जिन्दगी मिली है तो कोई मकसद जरूर होगा,
बस वही दूँडना है कोशिशें करते रहो सिर्फ किस्मत मत
आजमाना।

झील के जैसे ठहर के जंग मत लगाना हौसलों को,
ये वक्त भी तो चल रहा है, सोचकर हमेशा बहते ही जाना।

कामयाबी कभी अंतिम नहीं होती, और भी कुछ है तेरे लिए
इसलिए एक पांव जमीन पर रखना तो दूसरा हमेशा आगे ही
बढ़ाना।

यूँ तो अंत हर किसी का होना ही है एक दिन पर,
ये सोचकर हम शुरुआत ही ना करें तो सोंचो, क्या सोंचेगा
जमाना।

क्या खोया या क्या अभी और खोना बाकी है,
फर्क क्या पड़े हमें हमें तो बस ये अंतिम उसूल भी निभाना है।

कुछ ना कर पाना तो किसी का बुरा ही मत करना कम से कम,
याद रखना रो कर के आए थे दुनिया में और रुला करके जाना है।

-स्वप्निल पांडेय



Siddharth Gautam (Heades Howss)
1st B. Tech. Com. Sci. Engg.

Your single message
That was my only happiness...

But,
Your no message,
Makes me incomplete

Your single smile,
That enlightened my day..

But,
Your low mood,
Worsens my life

Your support made,
Made me still...

But,
Your opposed attitude,
Made me weak

Your sadness,
Killed my happiness...

But,
Your sadness in my absence,
Killed me

Your love,
That made me believe in it...

But,
Your hatred,
Destroyed my beliefs

Your pure soul,
That lead me fall for you...

But,
Your rudeness,
Made me fall against you

Your existence,
Made me worth living...

But,
Your absence,
Made your memories alive

Your promise,
That i still believe in...

But,
Your lie,
Made me forgot your promises...

Your curiosity to meet me,
Made me heart bounce...

But,
Your ignorance,
Left my heart broken...

Your talks,
Made me talking tom...

But,
Your silence,
Made me silent.....

Musheer Alam
2nd B. Tech. LT

