THE PULSE OF HBTU

Fortnightly Newsletter

SEPTEMBER 16,2019
MONDAY
YEAR 1 PRINT 2

HBTU CELEBRATES ITS SECOND FOUNDATION DAY

The 2nd Foundation Day of Harcourt Butler Technical University was celebrated on 1st September, 2019. The chief guest Hon'ble Minister of Technical Education Smt. Kamala Rani Varun promised to raise HBTU to world class standard. She emphasized the need to enhance the condition of laboratories, infrastructure and insisted the need on updating of the existing curriculum to meet industry requirements. She expressed the need of specialists in the field of Artificial Intelligence, Machine Learning and Cyber Security and expressed desire to make these courses operational in all the Engineering colleges of the state. In order to increase the connectivity with latest developments, she asserted to provide 2 GB data per day to each student. According to her, "Every engineering and polytechnic institute needs to be scrutinised". She also laid focus on the significance of industrial training of students.

The event was presided over by Hon'ble Member of Parliament Shri Devendra Singh 'Bhole'. Special guests of the occasion included Mrs. Pramila Pandey, Mayor Kanpur, Prof. Mukesh Kumar Singh, Director UPTTI and Prof. Rachna Asthana, Director AITH. Prof. Karunakar Singh, Pro Vice Chancellor, HBTU Kanpur was the convenor of the meeting.

Prof. Vinay Kumar Pathak, an alumnus of HBTU and Vice Chancellor Dr. APJ Abdul Kalam Technical University, Lucknow requested minister of technical education and Member of Parliament Shri Bhole Ji to provide HBTU with a fund of 1000 crores. Moreover, a demand of 250 to 300 faculty positions was also put before them. He also mooted the idea of setting up a national museum for which AKTU shall provide requisite assistance.

Prof. Vinay Kumar Pathak, Vice Chancellor Dr. APJ Abdul Kalam Technical University, Lucknow, Prof. V.K. Jain and Prof. K.P. Singh, Ex. Directors of erstwhile HBTI were honoured for their special contribution to the university. On this occasion, JEE rank opener of every branch were awarded with a laptop. Mr. Shubham Dhamma, a student who was offered highest package by Microsoft was given special honour by hon'ble minister. The fortnightly magazine 'THE PULSE OF HBTU', a student initiative, was also released.

MoU between Gujrat and USA.
Gujarat Government and the Delaware State of America signed MoU in Gandhinagar when a delegation of Delaware State of America called on Gujarat Chief Minister Vijay Rupani.

More Vande Bharats by 2022
India will have 40 new Vande Bharat Express trains by 2022. Indian Railways finalized the timeline for manufacturing them again and started a tendering process for the purpose.

Anupma sweeps Bronze
Anupama Swain won a bronze medal in the recently concluded World Martial Arts Mastership Jiu-Jitsu 2019. The event was held in Chungju, South Korea. She qualified for 2022 Asian Games.

PNB's merger gets the green light.
Punjab National Bank (PNB) board has decided to give its in-principle approval for the merger with Oriental Bank of Commerce and United Bank of India.

Automobile sector affected as millennials prefer Ola,Uber: Sitharaman
Finance Minister Nirmala Sitharaman on Tuesday said, "Automobile industry is affected by BS6 and mindsets of millennials, who now prefer to have Ola or Uber rather than committing to buying an automobile." "The automotive industry had its good times two years ago," she added. On Monday, Society of Indian Automobile Manufacturers said domestic automobile sales witnessed worst-ever drop in August.

Motor Vehicle Act

Since the dawn of september 1 2019, the new motor vehicle act came into play. Amendments in the motor vehicle act have been passed by the parliament which led to manifold increase in the penalties. In accordance with the transport ministry's press release summarizing the changes in the Motor Vehicle Act

Make in India: HAL to receive order of Rs. 45,000 crore from IAF

Public sector defence manufacturer Hindustan Aeronautical Limited (HAL) is expected to receive order of 83 Light Combat Aircrafts (LAC) Tejas fighters from Indian Air force (IAF) in an order worth Rs. 45,000 crore. The IAF had issued a tender for 83 LCAs about two years ago and the project was stuck over the pricing issue as the government and the Air Force felt that the price offered by the HAL was slightly higher. This order will prove to be a major boost to the indigenous defense manufacturing capability. LCA Mark 1A is the advanced version of Tejas aircraft and are designed and developed completely by DRDO (Defense Research and Development Organization).

Negligence causes Tesla hefty Law-suits:

In atleast seven of Walmart stores, solar panels caught fire. The solar panels installed by Tesla caused fire resulting in hundreds and thousands of dollars of damage. In a bid to recover the damages, the Walmart industries filed a lawsuit in the New York state supreme court, lleging Tesla of 'gross negligence' and 'failure to live up to the industry standards.' Walmart states that Tesla didn't ground its panels properly and SolarCity, the solar power subsidiary of Tesla, was at fault even before its acquisition by Tesla in 2016, and that it adopted an ill-executed business model which was on a downfall beforehand.

Scrapping Article 370 : Boon for Kashmiri's

It was an overnight decision that turned the fate of Kashmiris. It showed us that how one article; one decision of government turned so many lives around. Army backed barricading, J&K police patrolling around for the lookout of the militants. After 70 years of independence, it was a ray of hope for the Kashmiris to breathe a fresh air of life.

How the end of 370 bought a new era for Kashmiris:-

- Access to all the Central Government funded schemes.
- The separate constitution of J&K will cease to be in operation.
- The reservation laws will apply in jobs and education in J&K like rest of the Indian states. Outsiders will be eligible for admission in colleges funded by the J&K government and jobs in state government offices.
- Purchasing land and owning property by people, considered outsiders till now, would be possible, which considered a major reason preventing corporate setting up big units in J&K
- Kashmiri women, who marry a non-Kashmiri and their children, would no longer lose their right of inheritance.

We stand with Bahamas:Hurricane Dorian & its aftermath

Hurricane Dorian which made 7th September leaving its nearly half a million residents without power.

The U.S. Coast Guard said it has rescued a total of 290 people in the northern Bahamas following the hurricane. Six MH-60 Jayhawk helicopters and nine cutters are helping in the aid effort, the Coast Guard said. The United Nations said eight tons of food supplies were on the way by ship. Some 14,700 ready-to-eat meals as well as logistical & tele communi cations equipment are being delivered, said Herve Verhoosel, spokesman for the U.N. World Food Program.

India on Sunday announced humanitarian assistance of USD 1 million to help people in The Bahamas affected by Hurricane Dorian. MEA spokesperson Raveesh Kumar said India stands in solidarity with that country in this difficult time.

landfall in Grand Bahamas on 1st September has left the island nation devastated. In the aftermath of Hurricane Dorian, Bahamas was left devastated, streets filled with smashed cars, snapped power cables, shattered trees and deep silence, at least 43 have been reported dead and nearly 70,000 residents are left homeless, the property damages were estimated at over $7 Billion for Bahamas. The hurricane made landfall in the US state of North Carolina on 6th September as a category 1 hurricane and it weakened to a hurricane force post tropical cyclone when it made landfall in Canadian state of Nova Scotia on

Modi Inaugrated Livestock Vaccination Scheme

Prime Minister Narendra Modi on 31st May'19 inaugurated a special scheme for control of Foot and Mouth Disease (FMD) and Brucellosis to support the livestock rearing farmers. This initiative taken by prime minister will benefit crores of farmers and improve health of animals. The total outlay of Rs.13,343 crores has been cleared to fully control these diseases amongst the livestock in the country in the next five years, where it will subsequently eradicate these diseases. The scheme envisages vaccination coverage to 30 crores bovines, and 20 crores sheep/goat and 1 crore pigs at six months interval along with the primary vaccination in bovine calves, while the brucellosis control program is extended to cover 100% vaccination coverage of 3.6 crore female calves.

Central Government has decided to now bear the entire cost of the programme to ensure complete eradication of these diseases, defying the previous norm that stated sharing of budget between central and state governments. This decision indicates the spirit of compassion towards those animals who are a valued part of our planet.

FACULTY DEVELOPMENT PROGRAM

Faculty Development Program on Recent Advancement in Food Processing and Preservation (FPP 2019) . Conducted by Department of Food Technology Harcourt Butler Technical University Kanpur during August 26-31, 2019.

ABOUT THE PROGRAM

India has advanced from sustenance rare to a nourishment overflow country during the most recent decade and the consistently developing exchange of the creation of nourishment items demonstrates that the industry is on track as far as development and benefits are concerned. The Nourishment preparing part connects around 1.85 million individuals in around 39,748 enrolled units with fixed capital of $ 32.75 billion and total yield of around $ 158.69 billion. However in India the sustenance handling area experiences a few bottlenecks prompting an expected wastage of 25-30 percent of horticulture produce. Understanding the requirement for improving limit of the sustenance handling industry, there has been pressing need to utilize some of novel handling and conservation innovations that may bring about improved quality items. Accordingly, this Staff Improvement Program under TEQIP-III successfully completed at the University covered novel and advance angles of nourishment handling and protection strategies along with methods that add to the advancement of value added nourishment items.

THEME

The FDP welcomed employees and academicians from IITS/ NITs, AICTE endorsed Building schools/ Foundations and working experts from Ventures/ Research & Development Associations with the foundation of Sustenance Building and Innovation/ Farming Building/ Biotechnology & other unified orders. The number of seats had been restricted to 30 competitors and the enrollment for this program was made on the primary come first serve premise. Predetermined number of seats had been allocated to personnel of AICTE perceived designing universities with enrollment charge, subject to choice, in view of the proposal from leader of their parent organization to be a piece of the FDP with following topical regions:

- Food processing technology
- Food preservation technology
- Food quality and assurance
- Food engineering
- Food and nutritional security
- Innovations in food processing
- Advance food preservation techniques

From The Desk of Patron

In the contemporary progressive times which have been evolving rapidly with the advent of new technologies, There are twelve graduate attributes which graduates are expected to have identified.These attributes include a knowledge base for engineering, problem analysis, investigation, design, use of engineering tools, individual and team work, communication skills, professionalism, impact of engineering on society and the environment, ethics and equity, economics and project management and lifelong learning. Out of these twelve, a graduate is expected to possess atleast 6 of these.

The era of the 21st century is an era of demand driven supply. We believe in shaping the students' personality in accordance with the requirements of the professional world. In addition to the theoretical knowledge, they have been given exposure to practical knowledge via different kinds of trainings and internships.

BIOETHANOL FROM KANS GRASS: NOW A REALITY

Dr Lalit Kr. Singh
Asst. Professor
Dept. of BioChem Engg.

India will soon be joining countries like Brazil and Canada to use 100% ethanol for vehicles. And a revolutionary step towards providing cheap ethanol from kans(wild) grass has been taken by the assistant professor of biochemical engineering department, Dr. Lalit Kumar Singh of Harcourt Butler Technical University, Kanpur. He has developed a 3 step process for this and his research paper has been published in the journal of Bio resource technology & bio chemical engg.,

America. His book on this technique has been published by American publisher Wills & sons. Dr. Singh has filed for a patent for the same.

The more even distribution of kans grass, less expensive, lower need of fertilizers, pesticides and energy, low net greenhouse gas emissions, high yield, good suitability for low quality land and low environmental impact makes it the best raw material for production of ethanol.

राष्ट्रीय विज्ञान एकेडमी के सदस्य बने प्रो. रामनरेश

कानपुर। एचबीटीयू के गणित विभाग के सीनियर प्रोफेसर और डीन स्टूडेंट अफेयर्स प्रो. रामनरेश त्रिपाठी को राष्ट्रीय विज्ञान एकेडमी, प्रयागराज का सदस्य मनोनीत किया गया है। प्रो. त्रिपाठी का चयन उनके विज्ञान के क्षेत्र में दिए गए शैक्षिक और शोधात्मक योगदान के लिए किया गया है। सदस्य बनाए जाने पर प्रो. त्रिपाठी को कुलपति प्रो. एनबी सिंह, रजिस्ट्रार प्रो. मनोज शुक्ला सहित सभी शिक्षकों और छात्रों ने बधाई दी है। ब्यूरो

TEACHER'S DAY CELEBRATION AT HBTU

Teacher's Day is celebrated in India on 5th September to commemorate the birth anniversary of Dr.Sarvepalli Radhakrishnan, a renowned scholar, recipient of the Bharat Ratna, first Vice President and second President of independent India. He believed that the future of a nation lies in the hands of its children and teachers, as a teacher can mould a student into a future leader who will take India to unparalleled heights.

It was a matter of immense pleasure for the students to meet all the teachers under the same roof. The teachers gave motivational speeches that were keenly listened to. Our hon'ble Vice Chancellor Sir spoke about his past experiences, importance of time and how to gain success in our lives. Besides that,he laid stress on the topic of startups and the role of entrepreneurship cell.He encouraged the students to participate in various clubs that are running in the university.

Next speaker was Dr.SK Gupta, HOD of Chemical engineering department said about the time when he was a student of HBTI and that now he is a professor here. Furthermore, he spoke about several industrial techniques and placements of final year students.

Various performances like Kulgeet, singing, dancing, stand-up took place involving first, second and third year students. One of the student showcased his talent in playing flute.The event ended by the distribution of memoranda to the Vice Chancellor, Deans, Head of Departments and all the other faculties.

A rather eventful "Parichay"

"We didn't know we were making memories, we were just having fun."

Harcourt Butler Technical University witnessed one of its most awaited evening of "Parichay 2019" on 1st September.

"Fresher's party" in any college is an event that the freshman year always waits for since their first day in the college. The fresher's day was a day filled with excitement, joy, dancing feet, soothing voices and zeal. The dress code for the event was formals for the boys and ethnic wear for the girls. The celebration started at sharp 6.00 pm at the HBTU auditorium with an opening prayer followed by the welcome address delivered by our respected Vice Chancellor, Dr. N.B Singh. The guests for the day were introduced including the chief guest Dr.Arun Pathak.

The inspiring words said by the respected Vice Chancellor Sir instilled enthusiasm in all the students and made the evening even more beautiful. The night was proceeded by Dr.Arun Pathak's speech in which he shared his life experiences and mentioned that," students are the best teachers ". Furthermore he said that in his life he will always be a teacher before anything else.

The cultural program was kick started with 'Ganesh Vandana' followed by an astonishing drama, rap and beatboxing, melodious singing, energetic dances, humorous stand-ups and mesmerizing poetries, all of which were presented by 1st B.Tech and 1st MCA. In between these events all the first year students were branch wise made to introduce themselves individually. At the end of the event,all the faculties and the students were thanked for making this a successful event.

Short Term Course on Control & Machine Intelligence shall be organized by TEQIP-III 16 - 28 September, 2019 at Department of Electrical Engineering, School of Engineering Harcourt Butler Technical University, Kanpur, Uttar Pradesh. Event shall be organised under twinning arrangement with Thiagarajar College of Engineering, Madurai, Tamilnadu.

CHANDRAYAN : A THRILLING MISSION

For years, Indian engineers have been preparing for a landing near the unexplored South Pole, following up an Indian mission that would orbit the moon and help to confirm the presence of water ice in the lunar craters. A successful landing on the moon would have made India the fourth nation to accomplish such a feat, after the United States, Russia and China.

Objectives of CHANDRAYAAN-2

The primary objectives of Chandrayaan-2 are to demonstrate the ability to soft-land on the lunar surface and operate a robotic rover on the surface. Scientific goals include studies of lunar topography, mineralogy, elemental abundance, the lunar exosphere, and signatures of hydroxyl and water ice. The orbiter will map the lunar surface and help to prepare 3D maps of it while studying the water ice in the south polar region via Pragyan, an ongoing analysis from the orbiter circling at a lunar polar orbit of 100 × 100 km.

About Pragyan

Chandrayaan 2's Rover is a 6-wheeled robotic vehicle named Pragyan. The cubical vehicle, exclusively designed for travelling on the Moon, is fitted with a solar panel and two navigation cameras , Alpha particle X-Ray spectrometer, receiver and transmitter antenna and Rocker bogie assembly. It can travel up to 500 m (½-a-km) and it can only communicate with the Lander.AA About Vikram The Lander of Chandrayaan 2 is named Vikram after Dr. Vikram A. Sarabhai, the Father of the Indian Space Programme.

It is designed to function for one lunar day, which is equivalent to about 14 Earth days.Vikram has the capability to communicate with IDSN at Byalalu near Bangalore, as well as with the Orbiter and Rover. The Lander is designed to execute a soft landing on the lunar surface.

Chandrayaan-2 mission: Key dates

▪Chandrayaan-2 was originally supposed to get launched in the pre-dawn hours of **July 15**. However, around an hour before the launch, the Indian Space Research Organisation aborted the take-off after detecting a technical glitch in the GSLV Mk-III rocket that was to ferry Chandrayaan-2 to space.

▪The Chandrayaan-2 launch was then rescheduled to **July 22**. The GSLV Mk-III rocket successfully took off from the Satish Dhawan Space Centre in Sriharikota at 2:43 pm. The rocket inserted the Chandrayaan-2 spacecraft into a lower Earth orbit shortly after launch.

▪Over the next few days, the Chandrayaan-2 five 'orbit-raising manoeuvres' around the Earth -- during each manoeuvre, the Chandrayaan-2 increased its orbit around the Earth, going farther and farther away from our planet.

▪On **August 14,** Chandrayaan-2 carried out the Trans Lunar Insertion, putting the spacecraft on course to the Moon.

▪On **August 20**, Chandrayaan-2 entered the lunar orbit after a journey of six days. Over the next few days, the spacecraft performed a series of manoeuvres to lower its orbit around the Moon.

▪On **September 2**, Chandrayaan-2's lander Vikram separated from the orbiter. Vikram, which houses the six-wheeled rover Pragyaan, got into an orbit of its own.

▪On **September 4**, the Vikram lander module performed the second and last manoeuvre to lower its orbit around the Moon.

Phases of soft landing of Vikram

▪ **The rough braking procedure :** It was initiated on the Vikram Lander at a height of almost 30 kilometres above the Moon's surface.

▪**The powered descent phase :** The orbital velocity of the Vikram lander was decreased.

▪**The fine braking Phase :** This process was conducted at a height of approximately 7.4 kilometres above the lunar surface.

▪**The local navigation Phase :** The Lander scanned the lunar surface to identify the exact landing location.

During the Navigation Phase, suddenly, no signal was received from the lander Vikram. On **September 7, at 2:18 am**, ISRO chief K.Sivan said that "Vikram lander descent was as planned and normal performance was observed upto an attitude of 2.1 km. Subsequently, communication from lander to the ground station was lost. Data is being analyzed."

Recent updates :

- Chandrayaan-2 Orbiter Cameras Spotted Vikram Lander :ISRO chairperson K.Sivan said that the Vikram lander, with rover Pragyan is housed inside it, was located by on-board cameras of the Chandrayaan-2 orbiter. Although communication was lost with the lander at the last minute during

the soft-landing on Saturday, the orbiter was still healthy and will carry out its functions for 7 years. ISRO chief said that ***the lander may have made a hard landing, and it is not know whether it was damaged. Efforts to link with the Vikram lander were underway.***

- The lander's exact position has been identified using thermal images of Vikram taken by the Orbiter.
- Lander Vikram intact, lying in tilted position on moon surface: ISRO

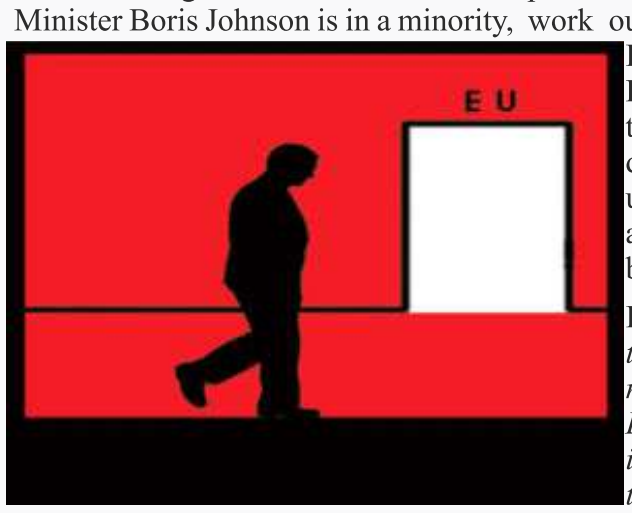
In another major development, the Indian Space Research Organisation (ISRO) has found out that the lander Vikram is now lying on the lunar in a single piece and in a tilted position after having a hard-landing.

ISRO Spirit Like Sportsman Spirit: Modi

"At 1:50 am on Sept 7, entire nation was sitting in front of TV, looking at #Chandrayaan mission. In those 100 second, I witnessed how an incident awakened the entire country & tied the country together. Like we talk about sportsman spirit, it's ISRO spirit in Hindustan now," says PM Narendra Modi while addressing a rally in Haryana. Despite the setback , ISRO says 90 to 95 per cent of the Chandrayaan 2 mission objectives have been accomplished and it would continue contributing to lunar science despite the loss of communication with the lander. NASA, too, has launched Chandrayaan 2, saying India's moon mission has "inspired" the US space agency which is keen to jointly explore the solar system with ISRO.

Brexit is in a shambles

The British government under Prime promising. He can persuade the EU to Minister Boris Johnson is in a minority, work out a new deal, in the face of European refusal to renegotiate. He can push his objections to the Irish backstop, but has no definite option to prevent the undoing of the Good Friday agreement that put the Troubles behind Ireland and England.



In **June 2016**, *nearly 52% of those who voted in the referendum voted to leave the EU, goaded, chiefly, by immigration and the perceived threat to British culture. It was a manifestation of the inequalities and insecurities created by globalisation, trade, free movement of people and technology, and resented by those who felt that they had been left behind. Irrespective of Brexit, there is urgent need to begin to address this core issue of inequality* — this is true both of Britain and other countries —if the world is to prevent a slide to insularity at a time when there is a greater need for global collaboration.

his suspension of Parliament is under legal challenge and fresh elections or a second referendum could even override the decision to leave the EU. Johnson's pledge to leave the EU on October 31, even if without a deal, has been blocked, via a new law passed by Parliament just days before it was prorogued for five weeks. The UK Parliament has also voted against the government's proposal for immediate elections.

PM Johnson has 49 days to explore several options, none of them

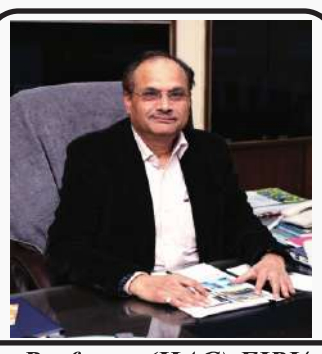
PLACEMENT RECORD

NAME	BRANCH	COMPANY
BHAVYA GUPTA	CHE	EXXONMOBIL
IRVIN KAUR	CHE	GLOBAL LOGIC
SHIVANSHU TRIPATHI	CHE	SUEZ WATER TECHNOLOGIES
UJJWAL MISHRA	CHE	SUEZ WATER TECHNOLOGIES
YASHARTH MISHRA	CHE	THERMAX
DEEKSHA SINGH	CSE	GLOBAL LOGIC
SANKALP SINHA	CSE	GLOBAL LOGIC
ARPIT RAJ	CSE	GLOBAL LOGIC
VISHAL SHARMA	CSE	GLOBAL LOGIC
SHUBHAM DHAMA	CSE	GLOBAL LOGIC
ARNAV SHRIVASTAV	CSE	MICROSOFT
ANITA JAISWAL	CSE	OYO ROOMS
ROHAN GARG	CSE	OYO ROOMS
ABHISHEK AGARWAL	CSE	OYO ROOMS
RITIKA GUPTA	CSE	OYO ROOMS
SUPRIYA SINGH	CSE	OYO ROOMS
ANSHUL GARG	CSE	OYO ROOMS
SWAPNIL MAHAJAN	CSE	OYO ROOMS
AMBESH TIWARI	CSE	OYO ROOMS
VIDIT KAVRA	CSE	OYO ROOMS
SUMIT TOMAR	CSE	OYO ROOMS
VINAY PUNDIR	CSE	OYO ROOMS
AJIT RAJ DWIVEDI	CSE	OYO ROOMS
AKASH GOYAL	CSE	OYO ROOMS
ABHI GUPTA	CSE	OYO ROOMS
AJIT RAJ DWIVEDI	CSE	TCS (NINJA PROFILE)
SOHA FATIMA	CSE	TCS (NINJA PROFILE)
SUPRIYA SINGH	CSE	TCS (NINJA PROFILE)
KANHAIYA JEE	CSE	TCS (NINJA PROFILE)
MAYANK MISHRA	EE	GLOBAL LOGIC
MOHIT OJHA	EE	GLOBAL LOGIC
AKARSH SHARMA	EE	GLOBAL LOGIC
RISABH AGARWAL	ET	GLOBAL LOGIC
SATYAM KESHARI	ET	GLOBAL LOGIC
AYUSH SINGH	ET	ZS ASSOCIATES

NAME	BRANCH	COMPANY
AYUSH KUMAR	IT	GLOBAL LOGIC
DIVYANSHU	IT	GLOBAL LOGIC
VAGMITA SHARMA	IT	GLOBAL LOGIC
SUSHANT MITHAL	IT	GLOBAL LOGIC
RAVI KUMAR	IT	GLOBAL LOGIC
SUMIT KUMAR	IT	GLOBAL LOGIC
KARTIK GUPTA	IT	GLOBAL LOGIC
RITIK AGARWAL	IT	GLOBAL LOGIC
DIVYANSH SINGH	IT	GLOBAL LOGIC
YASHIKA PANDEY	IT	GLOBAL LOGIC
NITESH CHAUDHARY	IT	TCS (NINJA PROFILE)
SANKET SHRIVASTAV	IT	TCS (NINJA PROFILE)
RITU VERMA	IT	TCS (NINJA PROFILE)
ANIMESH RANJA	LT	TCS (NINJA PROFILE)
USMAN KHAN	MCA	GLOBAL LOGIC
VARUNA KALWANI	MCA	GLOBAL LOGIC
MRIDUL KUMAR	MCA	GLOBAL LOGIC
NIHARIKA DUBEY	MCA	GLOBAL LOGIC
POOJA KUAMRI	MCA	GLOBAL LOGIC
DIVYANSHU	MCA	GLOBAL LOGIC
AJAY GUPTA	MCA	GLOBAL LOGIC
AMAN MAURYA	MCA	GLOBAL LOGIC
ANITA HEMRAJAN	MCA	MEDIATEK
KUSHAGRA VERMA	MCA	MEDIATEK
HARSH SAHU	MCA	TCS (NINJA PROFILE)
NUPUR SINGH	MCA	TCS (NINJA PROFILE)
VISHAL GUPTA	ME	GLOBAL LOGIC
SHUBHAM KUMAR	ME	HERO MOTOCORP
PRASHANT KUMAR	ME	HERO MOTOCORP
AYUSH DWIVEDI	ME	HERO MOTOCORP
TANUL KRISHSNANSH	ME	HERO MOTOCORP
CHHITIZ TRIPATHI	OT	TCS (NINJA PROFILE)
HIMANSHU CHAUNHAN	PL	HERO MOTOCORP
SRISTHI KHANNA	PL	HERO MOTOCORP
AMARNATH SHUKLA	PL	RELIANCE INDUSTRIES
ROHIT KUMAR	PL	RELIANCE INDUSTRIES
PRATEEK TRIPATHI	PL	RELIANCE INDUSTRIES
SRISTHI SINHA	PT	ASIAN PAINTS
UTSUKH RAWAT	PT	ASIAN PAINTS
RAJAT BANSAL	PT	ASIAN PAINTS
UTSUKH RAWAT	PT	HERO MOTOCORP
MUJAHID IQBAL	PT	INDIGO PAINTS
SHIVAM SINGH	PT	INDIGO PAINTS
AKSHAY DIXIT	PT	INDIGO PAINTS
SRISTHI SINHA	PT	TATA MOTORS

"WORK HARD AND WITH PASSION FOR SUCCESS"

-Professor K.K. Pant



Professor (HAG),FIPI/ Petrotech Chair Professor, Head, Dept. of Chem.Engg., IIT DELHI

Fellow- Royal Society of Chemistry, London

Awards :Herdellia Award Deshpande Award, INAE & AV Ramarao Awards

Q.) What inspired you to study chemical engineering and why did you decide to study in HBTI?

Ans: I got selected through the MNR Examination in 1983. At that time, I had two options either to join Electrical engineering in Madan Mohan Malviya Engineering College, Gorakhpur or Chemical Engineering in HBTI Kanpur. Since Kanpur is my hometown, I decided to join HBTI with Chemical Engineering which is considered as one of the versatile branches with ample opportunities as compared to other branches. I think that to join HBTI was partly by default and partly by the plan.

Q.) So, Sir where in Kanpur?

Ans: I'm from Shyam Nagar.

Q.) What inspired you to be a teacher because teaching is not a profession that is preferred by most of the students? Who was your role model?

Ans: After completion of B.Tech. I appeared in GATE examination and fortunately, I was among the four or five students selected in chemical engineering. After this I got into IIT Kanpur for my masters. After completing M.Tech., I also had opportunity to go abroad for Ph.D. You can call it my destiny as HBTI advertised for faculty position in chemical engineering, I joined as lecturer in 1989 but I was motivated for pursuing Ph.D. After three years I got full time deputation at IIT Kanpur for Ph.D. I completed Ph.D. from there in 1997 and later I joined as Assistant Professor at IIT Delhi in 1999.

I was impressed by many professors during my Ph.D. mainly by advisor Prof. Deepak Kunzru, Prof. D.N.Saraf & Prof. S.K.Gupta.

Q.) Are you happy so far with what you have achieved as a teacher?

Ans: I'm really satisfied with my job. I go to the office at around 8 am in the morning and work till 7:30 pm. I have a large number of research scholars and I devote a lot of time with them, keep meetings and talks. The respect I get makes me very happy and the output the research scholars are giving me makes me really feel accomplished. I am so satisfied and happy with my work that I even work on Saturdays and holidays. (On the day of the interview, it was a holiday but he was still in his office) "I really enjoy my work."

Q.) What is the best and the worst part of your job?

Ans: I have reached a level today. Presently, I am the Head of the Department of Chemical Engineering at IIT Delhi. I have already done several other administrative activities. I've been the GATE Chairman, have had many achievements and got many awards. I am also member of several national and international bodies.

I have 150+ papers and around 7000 citations in high-quality journals.

These achievements make me feel successful. "I have earned a lot" but more is still to get.

I won't say there is any job that has any bad side. Everything is somewhere good, somewhere better but nothing bad. One has to look positively in life.

Q.) What is your average daily routine as a professor at IIT Delhi? How do you spend your leisure time?

Ans: Generally I get up at around 5:30 am and go for a walk for about half an hour. I am at my work, by 8:30 am then interaction with the students in labs, go to class, do administrative work, have meetings and as you know meetings take up a lot of time. After 5:30 pm I have some more discussions with the students and by 7:30 or 8 pm I reach back home. Then I work on my laptop, some work or some pending emails, administrative and academic activities.

I rarely have any free time. In case I have, I spend it watching TV, movies or play Table Tennis with my son. I have to travel a lot as well and this eats up a lot of time.

Q.) How would you describe HBTI both as a student and as a teacher?

Ans: When I was a student, the teachers I had were really enthusiastic, hardworking, dedicated and passionate about their jobs. Later when I joined as a faculty member, they went on to be my colleagues. They were really supportive and always motivated for higher studies.

Q.) How will you describe your achievements as a HOD at IIT Delhi and how you see the future of the department?

Ans: IIT Delhi has got an institute of eminence status where we can hire faculty from abroad. We tend to increase the quality of faculty. We are looking for research in selected areas like Sustainable Energy, Petroleum and petrochemicals, Fuel Cells, multi-flow reactors, refineries, batteries, Health Care etc.

We are working on high coal which contains 40% ash and CO and hydrogen to form methanol and dimethyl ether. Similarly, carbon dioxide is converted into dimthyl ether so there are a lot of projects like these going on in the department. A lot of work in green chemistry is being done. Our department is among the best in India. But we are trying to improve further and working on applied research.

Q.) What advice would you give to a student or someone starting their career?

Ans: The first thing, I would say that one must keep passion for work and plan for what you want to do. Positive approach of mindset is good. Presently there are plenty of opportunities for startup jobs, where students can become job provider instead of job seeker. Work hard and with passion for success. Opportunities will come to you. Just have belief in yourself and work with confidence.

Like there's a misconception about the branches that CS/IT are everything and Chemical stands nowhere but I would say if you have passion, work. Chemical is one of the topmost branches. Be honest and satisfied and also feel your responsibilities for the society.

Q.) Kindly Narrate some humorous incidents of your college life(at HBTI).

Ans: (Laughingly) There are many, but one: once I was caught near Nawabganj by some seniors and they took me to a restaurant and started to ask some questions, I was in the first year and was alone, I was quite nervous. I also didn't know if I had to eat that food or not. That was when first time I learned how to give a technical introduction of HBTI.

Q.) What is your main research mission in life?

Ans: Being a chemical engineer, I work mainly on applied research in the areas of heterogeneous catalyst, hydrocarbon conversion, biomass utilization and conversion of waste to wealth. The work has lot of societal and industrial relevance. We are working on coal conversion to methanol and DME, plastic waste utilization and E- waste management, bio based fuels and platform chemicals. Ultimate aim is to develop indigenous technologies and implement these for the society. Clean India concept and make environment clean and develop sustainable technologies is my mission. Thanks

The tag of 'HARCOURTIAN' is something I am very proud of

PRABHAT GUPTA Operations Manager at ADM (India)

From being a student in HBTI to Indian operations manager of global giant Company ADM. How was your Journey?

First of all I thank you for providing me this opportunity so that I could share my experiences and views with the young generation at the HBTU. I started my college life in the year 1991 and got graduated in 1995 as an Oil technologist. It has been 20 years since, the journey being very exciting as well as full of challenges. At that time, there were not so many professional oil processing organisations. It was difficult to find place as an oil technocrat in the co-operations. But later on, I would say from 2001 onwards, some professional organisations entered into this market which provided some life to the oil technologists. Last 15 years have been better as compared to my earlier days in the field.

What shall be the first thing that may click in your mind when you visit the college campus now?

The tag of "harcourtian" is something I am very proud of. At those times, it was a very reputed institute in the North India. It was an honour to be a part of such an old institute. Moreover the faculties and professors were so learned and had great command over the subject. Also they were very supporting and helpful in nature. Then there comes the hostel life which was the best and those memories shall remain with me throughout the life.

Any particular memory that you may like to share with us?

Memories of first year are something that I will always cherish. Specially the fresher's function in which I presented a poem about the journey from the railway station to the HBTI campus. The poem highlighted some gray areas too. I still remember the way I delivered that poem on the stage.

And after that I faced a round of questions from my technical fathers (seniors). Initially I got little scared but then I enjoyed it too. This is something i will never forget for my lifetime.

It has been 24 years since you left college. We would like to know your views on how the college has changed since?

I have visited HBTI quite a few times since. For last few years I have been visiting college for campus recruitment. As far as infrastructure is concerned, I don't see any difference. Classes, department buildings or academics, almost all the buildings are as it is. But now as it has changed to HBTU and the vice-chancellor has brought some changes in the academic curriculum. Few faculties who taught me are still present but many have retired. I do not see any specific changes in HBTU since then.

What is your key to the success? Any experiences that you would like to share that have turned around you?

First of all a person should learn the basics of a job he is intended to do. Once you know the basics then you shall know the point where you have to strike hard. When you are unaware to the basics of an activity, then you will wander around and will have no clue what to do. Also you should know how to build positive relationships with the people you are working with. Discipline is the most important aspect. First of all you have to follow discipline and then you have to make sure that people around you also follow the same. These are the basic things and whatever I am today it is because of these things which I follow.

At last sir, what advice would you like to give to the young generation of oil technologists?

I would advise them to develop soft skills. Technical skills are important but soft skills are equally required. How you present yourself, how you get along with the people, the kind of curiosity we have to learn not only from our field but also from almost any field. Young engineers must learn about time management, stress management and they should be very well aware about the current market situation.

MOTIVATION CORNER

ARYAN BHARTIYA, 3rd B.Tech., Chemical Engg

Motivation is a powerful, yet tricky beast. Sometimes it is really easy to get motivated, and you find yourself wrapped up in a whirlwind of excitement. Other times, it just social media influence.

WHEN IS THE RIGHT TIME ???

How many of you are in your 19's or 20's? Well, it's just the right time where you get started. Most of you must be studying and some of you must be doing other activities like coding, web development and other stuff but this article is for those people who are sitting idle and just don't know when is the right time to do stuff that can actually help them in developing skills or gain a personality.

WHAT IS A GOAL?

An observable and measurable end result having one or more objectives to be achieved within a more or less fixed timeframe.

How to set a GOAL?

YES, you need to set up your goals. As you grow set your goal with respect to your age. Most of you be completing your graduation around the age of 21 or 22.

Here are ideas you can do in your free time

1. If you are innovative start applying in competitions like pitching ideas or you can sell your ideas online there are various websites you can connect to.
2. If you love coding start doing app development, approx $200000 an app developer takes to build an app that also forms the databases.
3. Good in academics start giving tutions and prepare for your exams like GATE, IAS, etc whatever you want to do next.
4. If you think you are funny like people laugh a lot when you are around, start with an open mic. Most of the people don't do this because they don't know how to do, but they are meant to do this give it a try.
5. If your only goal is to study and no other stuff like this go for it but don't end up in your room for like 24 hours, go out for a sport every day or join a gym or do some physical work or you can do some social work join an NGO.
6. And if you are good at acting start collecting your other acting buddies and build your own youtube channel.

Answers to the crossword of previous edition.

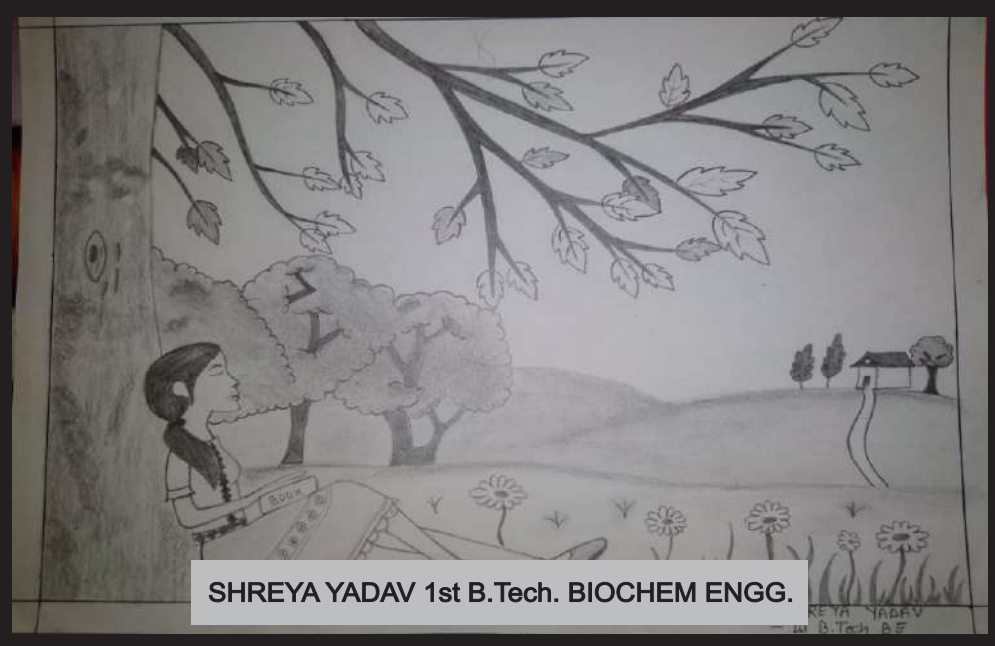
1. Morris Garages
2. Byomkesh Bakshi
3. Microwave Popcorn
4. Humayun
5. Mughal Gardens
6. Malaria
7. Shiva Keshvan
8. Pakistan
9. Indraprastha

This crossword was created by
Divyansh Tripathi,
2nd B.Tech Information Technology.

हमारा एचबीटीयू

ये विटप जो आज सबको छाँव अपनी दे रहा है
जो सैकडों पीढ़ियों से पथ प्रदर्शन कर रहा है ।
क्या कहूँ महिमा मैं इसकी शब्द थोड़े ही पडेंगे,
यूँ समझ लो एक उपवन पुष्प विकसित कर रहा है ।
रोप करके गये थे जो बीज वो सौ साल पहले,
आज वो फल–फूल कर, खुद में प्रतापी बन गया है।
जड़ें जिसकी पहुँचकर इस धरा की गहराई तक,
खुद पकडकर उँगलियाँ वो, सर्वव्यापी बन रहा है।
ज्ञान और विज्ञान से वो, सींच कर हर पौध को,
रोपने की भेज देता, है सकल संसार में ।
फिर पताका गाड़ कर हम, गर्व से ये बोल पाते,
इस ध्वजा का कानपुर से, वो आत्म मंचन कर रहा हैं।
जो सैकड़ों पीढ़ियों से पथ प्रदर्शन कर रहा है।
अब समय है, हमको भी वो ध्वज पताका थामनी है,
ठोंक के खम ताल हमको, शक्ति अपनी जाननी है।
फिर हर दिशा से गूँज ये, उठनी सदा ही चाहिये,
कि आज भी वो श्रेष्ठ है और राष्ट्र गर्वित कर रहा है।
यूँ समझ लो कोई उपवन, पुष्प विकसित कर रहा है।
जो सैकडों पीढ़ियों से पथ प्रदर्शित कर रहा है।

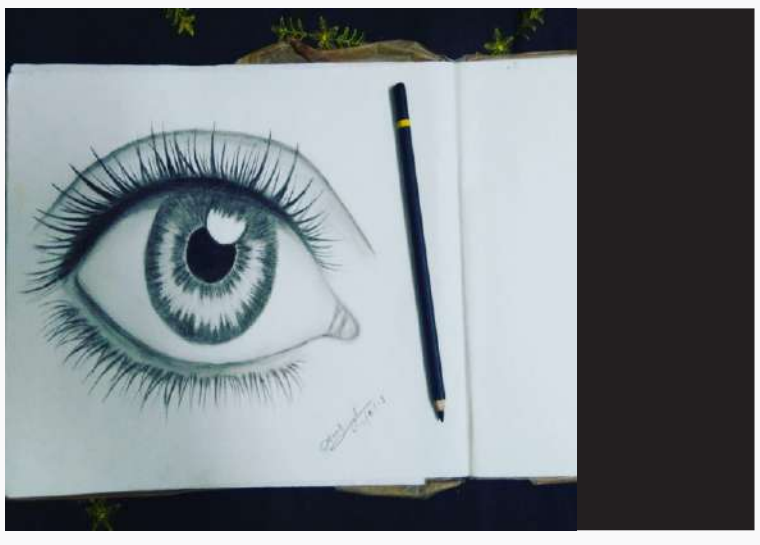
स्वप्निल पांडेय
3rd B.Tech



SHREYA YADAV 1st B.Tech. BIOCHEM ENGG.

SHIVANGI SINGH, 3rd B.Tech ME

Shobhit Dixit
1st B.Tech. Plastics



Akash Singh, 1st B.Tech., Computer Science & Engg.

ANSHULDEEP RUHELA, FINAL B.TECH
CHEMICAL ENGINEERING