

THE PULSE OF HBTU

Fortnightly Newsletter

OCTOBER 01, 2019
TUESDAY
YEAR 1 PRINT 3

Where have
the Wild Birds
Gone



PAGE 2

From the Desk of Patron



Prof. N.B. Singh
Hon. Vice Chancellor
Harcourt Butler Technical University, Kanpur

PAGE 3

Fraternity Achievers



Prof. Vinay Pathak
Hon. Vice Chancellor
Dr.A.P.J. Abdul Kalam Tech. University, Lucknow

PAGE 5

CREATIVE
CLUSTER



PAGE 6



WORKSHOP CUM PANEL DISCUSSION ON ENTREPRENEURSHIP ORGANIZED BY E-CELL H.B.T.U. KANPUR

Entrepreneurship Cell, HBTU, Kanpur organized a workshop cum panel discussion on Entrepreneurship: A Vibrant Future on 21st September, 2019. The initiative was taken to educate all the students of about the pros of entrepreneurship and start-ups. The speakers on the panel were :

- * Mr. Ravi Pandey
- * Dr. Vinod Kumar Yadav
- * Mr. Sanjay Pandey
- * Mr. Ranjeet Singh
- * Ms. Manisha Juneja
- * Mr. Akshat Srivastava
- * Mr. Ankit Katiyar
- * Mr. Anshumaan Singh
- * Ms. Anshika Gupta

Mr. Ravi Pandey sir from SIDBI Innovation spoke on the incubation opportunities available in IIT Kanpur and Mr. Vinod Kumar sir, associate professor in Humanities Department, HBTU told about the ways to manage academics with startup.

Mr Akshat from IIT kanpur discussed about his own start up (how to develop start up culture in Universities)and Ranjeet Singh discussed about his struggles before he took start up of making

Momos in various cuisines.

Mr Ankit katiyar and Ms Anshika Gupta from Ah Ventures encouraged students to come up with million dollar ideas so that they can fund their startup. Ms Maneesha Juneja from ITH Technologies Pvt. Ltd. gave tips to manage talent in the startup as there is lot of pressure and clashes of egos.

Mr Anshuman from Startup Innovation Cell discussed about the need of networking amount different colleges for betterment of the economy of country.

Dr A.K.Shankhwar , Mr Sumant Chatterjee and Professor Gauri Shankar also graced the occasion.

These esteemed dignitaries spoke on the need of Entrepreneurship and integration of startup culture within the student society. Miss Saloni Maurya and Mr. Anjaney Basedia moderated the panel discussion. This would in turn help the students of HBTU-Kanpur come up and develop their ideas from ideation stage to growth stage. Programme started with welcome address by Dean incubation hub and vote of thanks by startup coordinator Ashwani Rathore.

AADHAR CARD UPDATE:

No documents required to update mobile number, photo and mail id, says UIDAI

You can get your latest photograph updated in the Aadhaar card without submitting any documents. Not only this, details such as biometrics, registered mobile number and email id can also be updated without any problem. You just need to walk into an Aadhaar Centre with your Aadhaar card. The Unique Identification Authority of India (UIDAI) has issued a notice that no documents will be required to update the personal information of the Aadhaar cardholders.

"No document required for update of Photograph, Biometrics, Gender, Mobile Number & Email ID in your Aadhaar. Just take your Aadhaar and visit any nearby Aadhaar Kendra. For appointment at UIDAI-run exclusive Aadhaar Seva Kendra," UIDAI tweeted.

You can also book an Appointment at Registrar run Aadhaar Seva Kendra. For that, you choose the option at UIDAI's 'Book an Appointment' page.

Closing In: India likely to receive Rafal jets by October 8.

After a long delay and numerous scandals, the first Rafale fighter jet for the Indian Air Force is likely to be handed over at an elaborate ceremony in France on October 8, a date that coincides with the Air Force Day as well as the festival of Dusshera. The much awaited fighters that will form the cutting edge of the fleet are however expected to arrive in India by May next year after several months of testing and flight training for pilots.

Defence Minister Rajnath Singh is scheduled to go to France for the handing over ceremony (sources), which will mark the first new fighter induction into the Air Force since the light combat aircraft (LCA) Tejas was received in 2016.



The fighters — to be armed with the SCALP ground attack missiles that have a range well over 300 km — will be flown by IAF pilots in France for at least 1,500 hours as part of the testing and acceptance process before they come to their home base in Ambala.

The date for the handing over has been delayed by a few weeks with earlier plans for the ceremony to be held on September 19.

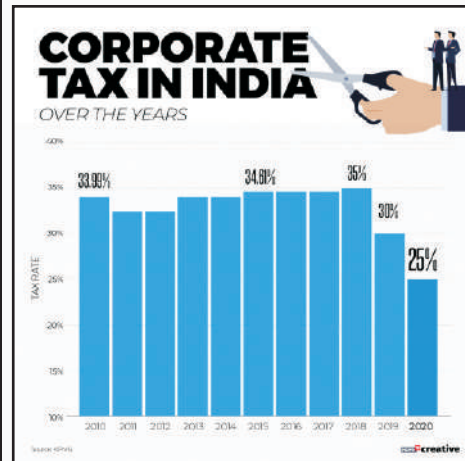
The French side has offered an immediate sale of two more squadrons, which means 36 additional Rafale jets. While the deal for 36 Rafale jets signed in 2016 cost €7.87 billion, sources said the offer for an additional 36 aircraft would be significantly lower at under €6 billion because fixed costs covering India-specific enhancements, training equipment and infrastructure have already been made.

Declining Corporate Taxes: A New World Order

The recent Taxation Law (amendment) Ordinance 2019 has dramatically reduced corporate tax rates for domestic companies.

Finance Minister Nirmala Sitharaman cuts corporate taxes for domestic, new manufacturing companies.

At the GST Council Meet, Union Finance Minister Nirmala Sitharaman proposes to slash corporate tax for domestic cost, new local manufacturing cost through an ordinance.



The new tax rates are 17.0% for new manufacturing companies incorporated after 1st October and 25.0% for existing companies, after cess and surcharge, if companies do not avail of any tax exemptions or incentives.

The organization for economic cooperation and development (OECD), a benchmark for developed countries, average tax rate is 21.4%. The new rates brings India closure to this figure, thereby improving India's global appeal and competitiveness. The global trend of declining corporate taxes is due to a number of reasons. Lower taxes rates not only improve business sentiments, they also help dealing with legal tax avoidance, which happens when companies park their funds in low tax countries.

The world's most valuable company, Apple recently paid less than one percent corporate tax in Ireland in 2014 due to specially negotiated agreement with the company. Due to this, Apple parked billions of dollars of its profit in Ireland.

The company was later ordered by European commission to pay Euro 13 bn plus interest in unpaid Irish taxes from 2004 to 2014 to Irish State. Among others, Countries like China, Bangladesh, Korea and Indonesia have base tax rate of 25 percent, Malaysia 24 percent and Japan 23.3 percent. We are almost on par with US, where the corporate tax rate is 21 percent and UK where rate is 19 percent.

The cut in corporate taxes is expected to boost business and reduce tax related litigation. However, some critics have argued that individual tax rate should be cut as well.

Where have the wild birds gone?

North America's skies are lonelier and quieter as nearly 3 billion fewer wild birds soar in the air than in 1970, a comprehensive study shows.

The new study focuses on the drop in sheer numbers of birds, not extinctions. The bird population in the United States and Canada was probably around 10.1 billion nearly half a century ago and has fallen 29% to about 7.2 billion birds,

according to a study in Thursday's journal Science



"People need to pay attention to the birds around them because they are slowly disappearing," said study lead author Kenneth Rosenberg, a Cornell University conservation scientist. "One of the scary things about the results is that it is happening right under our eyes. We might not even notice it until it's too late."

HRD Minister Ramesh Pokhriyal 'Nishank' launches WAVE Summit 2019 and other initiatives of AICTE

Union Human Resource Development Minister Shri Ramesh Pokhriyal 'Nishank' launched several initiatives of AICTE in New Delhi today. It includes Facilitation through Margadarshan and Margadarshak, Model Curriculum for Diploma Courses, Waste Management Accelerator for Aspiring Women Entrepreneurs (WAVE Summit 2019) and 360-degree Feedback of Faculty.



Speaking on the occasion Minister said that 'WAVE Summit 2019' is a great initiative because women have skills in their hands and it will further empower and motivate them. The Minister informed that the WAVE Summit will be held in November-December 2019. It will be jointly organized by All India Council for Technical Education (AICTE) and Institute of Waste Management (IIWM) at Jaipur. He further said that this conclave will be part of a series of activities to encourage entrepreneurship amongst young graduates.

He added that we need to be at top in World rankings and the path to take our technical education to the top in the world is made easier through such initiatives. It is necessary to create new courses to prepare students for better understanding in this competitive age and, Model Curriculum for Diploma Courses is an effort in this direction.

360 degree feedback of faculty scheme will increase the quality of education. This scheme will encourage both students and teachers.

Turning Heads: Thunberg inspires millions to take action against climate change.

From being a fifteen year old girl sitting outside the Swedish parliament on Friday's to addressing the United Nations General Assembly on climate change in a sharp manner, Thunberg had come a long way and her recent meeting with The Canadian PM Justin Trudeau was an evidence enough of her rising influence.

The 16-year-old Swede met privately with the Canadian prime minister but later told a news conference with local indigenous leaders that he was "not doing enough" to curb greenhouse gases responsible for global warming. Thunberg generated headlines around the world earlier this week with her viral so-called "How Dare You?" speech at the UN climate summit, accusing world leaders of betraying her generation.



Trudeau and other Canadian party leaders took a breather from a tight election campaign to join Thunberg at the Montreal rally – along with around 500,000 protesters, according to organizers. Walking with his wife and children, Trudeau mingled with a boisterous crowd that brandished placards reading "Respect Mother Earth" and "Make America Greta Again" – a riff on a campaign slogan popularized by Trump, a noted climate change skeptic.

Thunberg has inspired millions of School students to come out and protest against climate change and hundreds of protests organized every week are evidence of her influence and making sure her efforts aren't wasted.

INDIA ONLINE: Eleven digit mobile number may soon be a thing

As more and more people goes online there might be a need in future to have mobile numbers longer by a digits. Telecom Regulatory Authority of India (TRAI) is supposedly considering increasing a digit in existing mobile numbers to make them 11 digit numbers to cope up with the demand of future.



The existing mobile numbers from 7, 8, 9 have a Telecom capacity of 2.1 billion mobile numbers and India will reportedly have about 2.6 billion mobile numbers by the year 2050. To keep up with increasing demand TRAI is considering this solution.

The government has already started 13-digit number series for Internet of Things and machine to machine communications. According to a UN report, India is projected to become the most populous country by 2027 surpassing China, and host 1.64 billion people by 2050. There are 1.2 billion telephone connections in the country.

From the desk of Vice Chancellor



As we all are very well aware that in the current scenario, unemployment is increasing tremendously and so INNOVATION and INCUBATION has become a crucial need of the hour. It is the responsibility of an institution to motivate their students to develop new ideas and help them to come up with their startups. This will not only increase employment but also help in solving social issues existing in the society. This will ultimately lead towards making India a developed nation. Now the question arises how the funds shall be raised for launching a startup. Government has taken steps to deal with this. There are various schemes that have been introduced by the government to provide funds. Also AICTE has launched schemes for helping the students of technical institutions in building their startups. It is the duty of an institution to make the best out of students.

BUZZINGA : Freshers Quiz ' 19

FRESHERS QUIZ 2k19 was organised successfully on 21st September, 2019. There was a great response and a massive turnout from the freshers batch of 2019-20 and the event saw zealous participation from the crowd. Over 400 students in over 200 teams battled their way through the prelims of the quiz in a cut throat competition to make it to the finals.

In the finals the candidates battled their way through questions from all genres including business, mythology literature sports music art entertainment history.

The winners of the Freshers' Quiz 2k19 are:

1st Place:

- Suryansh Tripathi (1st BE)
- Ankit Sharma (1st OT)

2nd Place:

- Sherif Ansari (1st PT)
- Sushant Singh (1st OT)

3rd Place:

- Aditya Mishra (1st CHE)
- Shobhit Singh (1st CHE)

Congratulations to you and all the finalists! Keep

Pathway to Service

The Orientation programme of National Service Scheme club was held on 23rd September in the auditorium, to introduce this year's agenda and to make the students aware about NSS and the other activities that we will be organized throughout the year by this club. NSS has been the most reputed club of our college ever since its foundation, so it is important for a student to be a part of it to enhance their personality through community development and betterment. With the aim of being of some use to the humanity, the students of HBTU have been tirelessly working under the banner of NSS to provide education and other basic amenities to the needy as well as raising awareness about social causes amongst the

Wings to the Orientation

Aeroclub was formed by our respected Senior Mr. Ravindra Kesarwani Sir, who is now an alumni of our college. This club was formed under the guidance of Dr. S.K.S Yadav Sir.

This year they organized an orientation program and workshop which was scheduled to happen on 14-15th September. This orientation aimed to provide an intense training on Aeromodelling.

The freshers were given proper information about this technical club and on the day of workshop, Around 120 students from different branches participated and showed their interest and zeal for Aeromodelling.

At the start of the workshop Dr. S.K.S. Yadav Sir was welcomed to say some words about the club and he motivated the students by telling about the hard work their seniors did towards forming this club and told about the help given by our Alumni's to this club.

After this, theory lectures were given on the basics of Aeromodelling and fabrication of basic RC trainer plane. Students participated with full enthusiasm and were enjoying the workshop.

Carrying on with these events there was a short quiz organised for testing the knowledge of the students in which students secured great marks.

After that the most awaited part of the session, Flying was done and the students were more than happy to see their fabricated plane flying high in the sky.

Hackathon @ H.B.T.U. Kanpur

Hackathon is an 'invention marathon'. Anyone who has an interest in technology attends hackathon to learn, build and share their creations over a course of 36 hours in a relaxed and welcoming atmosphere. You don't have to be a programmer or a coder just a person who believes in problem solving.

Students of Harcourt Butler Technical University are invited to participate in this competition 'Hackathon'.

Problem Statement Formulation: 23 September, 2019
Problem Statement Release: 03 October, 2019
Abstract Submission: 31 October, 2019
Selection of Intimation: 15 November, 2019
Hackathon: 27 and 28 December, 2019

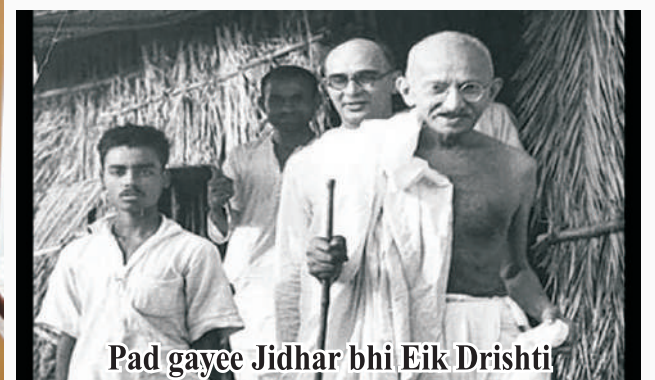
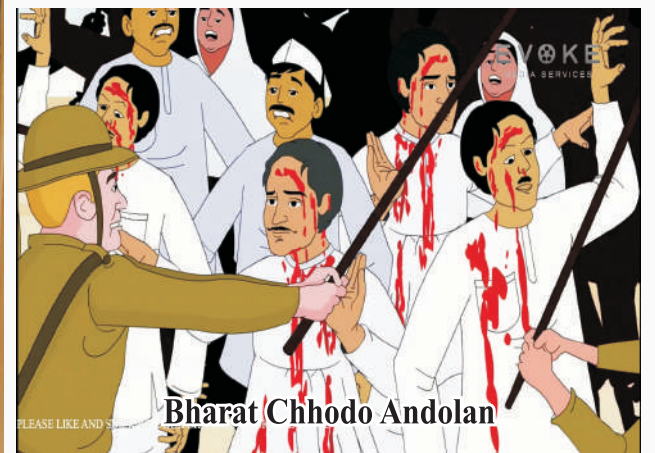
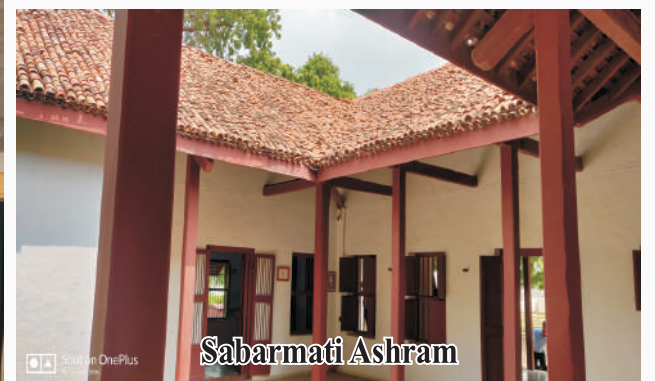
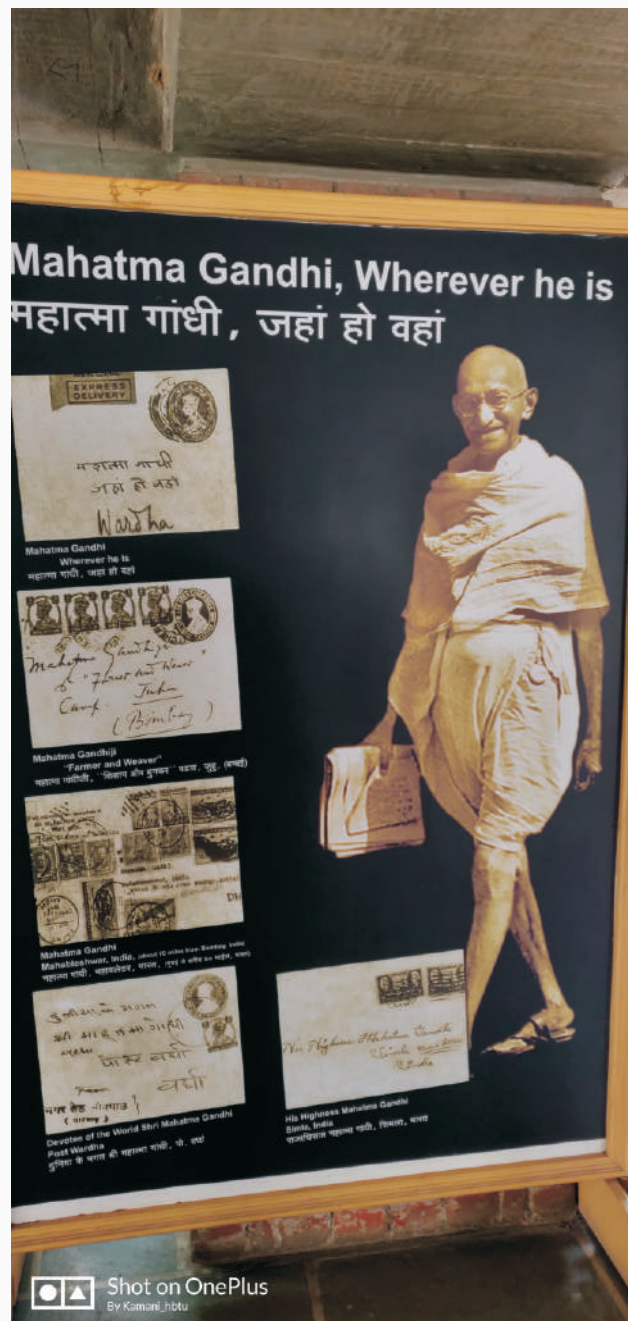
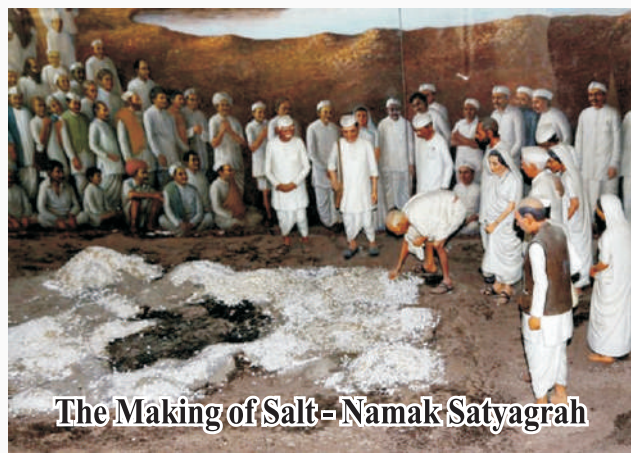
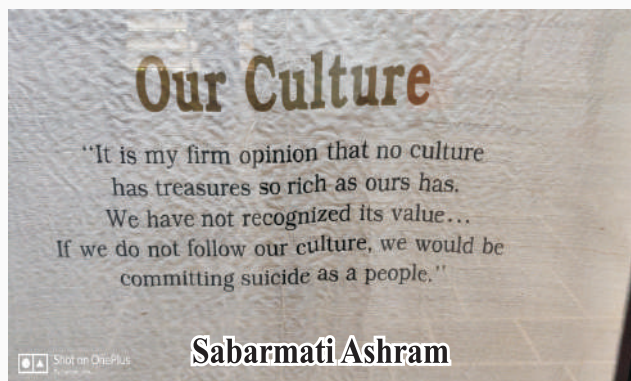
Workshops: Learning Through Demonstrations

HBTU discerned a 2-day workshop organized in The Civil Engineering Department during 24-25th of September, 2019 as a part of twinning arrangement with the Thiagaraja College of Engineering, Madurai. The workshop gave insights on the 'Challenges of Civil Engineering Infrastructure in 21st Century'. The workshop was chaired by Prof. Pradeep Kumar, Head of Department (Civil), HBTU and Prof. T.Velrajan, Head of Department (Civil), TCE.

Being attended and lectured by top faculty members from the IITs and TCE including Prof. Mukesh Sharma, Prof. D.Rajkumar, Prof. A.K. Maurya, the workshop enabled the students to be acknowledged with the current scenario in civil engineering, and perceive the recent shifts in the field. Challenges posed by Urbanization, Environment Infrastructure and Sustainability were discussed and addressed in great detail. Special emphasis was laid on Transport Infrastructure, Water Supply, Land Use and Waste Water Treatment.

The student reaction was overwhelming, workshop received heightened participation. Engrossed and accompanied with the ideals, knowledge and problems in the Civil Engineering dimension, students look forward to innovate solutions.

GANDHI JAYANTI PAR BAPU KO NAMAN



Photographs courtesy Prof. P.K. Kamani

Russia's largest petroleum firm Rosneft to increase investment in Nayara Energy project

New Delhi: Russia's largest petroleum company Rosneft on Tuesday committed to increasing its investments at its petrochemical unit in Vadinar refinery for the development of Nayara Energy project in Gujarat.



Minister of Petroleum and Natural Gas Dharmendra Pradhan met the Chief Executive Officer (CEO) of Rosneft, also the Former Deputy Prime Minister of the Russian Federation, Igor Sechin, and welcomed the initiative to increase its investments at their Vadinar refinery, assuring full support from the Government of India in facilitating their investments.

The CEO of Rosneft indicated their readiness to intensify their cooperation aimed at the strengthening of energy security in India and in supplying high-quality feedstock and crude oil to India.

Earlier this month, India and Russia issued a Joint Statement on Cooperation in Hydrocarbon Sector for 2019-24, during the visit of Prime Minister Modi to Vladivostok as the Chief Guest at the Eastern Economic Forum.

IAF, DRDO successfully flight test Astra air-to-air missile

Indian Air Force (IAF) and Defence Research and Development Organisation (DRDO) have successfully flight tested Astra air-to-air missile with a range of over 70 km from a Sukhoi-30 MKI fighter jet off the coast of Odisha.

"Air-to-Air missile, Astra, has been successfully flight tested on Monday off the coast of Odisha. The missile was launched from Su-30 MKI as a part of user trials," Ministry of Defence said in an official statement on Tuesday.



The live aerial target was engaged accurately demonstrating the capability of first indigenous air-to-air missile.

"The mission profile was executed in a textbook manner. Various radars, Electro-Optical Tracking System (EOTS) and sensors tracked the missile and confirmed its engagement with the target," the statement added.

Defence Minister Rajnath Singh also congratulated IAF and DRDO teams for the successful test of Astra.

ISRO, DRDO ink MoUs to provide technologies for Human Space Mission

The Indian Space Research Organisation (ISRO) on Tuesday joined hands with Defence Research and Development Organisation (DRDO) for development of human-centric systems for the Human Space Mission to demonstrate its human space flight capabilities.

A delegation of ISRO scientists, led by Human Space Flight Centre's Director, S Unnikrishnan Nair, signed a set of MoUs with various DRDO labs in this regard, an official statement said.

The purpose behind the development is to provide technologies for human-centric systems and technologies specific to the Human Space Mission.

"The technological capabilities existing in DRDO laboratories for defence applications will be customised to meet the requirements of the human space mission of ISRO," said DRDO Chairman G Satheesh Reddy.



He said some of the critical technologies to be provided by DRDO to ISRO include space food, space crew health monitoring and emergency survival kit, radiation measurement and protection, parachutes for the safe recovery of the crew module and others.

ISRO aims to demonstrate human spaceflight capability before the 75th anniversary of India's independence in 2022.

Combination of wood fibre, spider silk could pose as rival to plastic

It's a no-brainer that humans have generated tonnes of plastic and are now looking for a better alternative to it. Well, researchers at the Aalto University and VTT Technical Research Centre of Finland have succeeded in discovering a strong and extensible possible substitute for plastic.

They created a truly new bio-based material by gluing together wood cellulose fibres and the silk protein found in spider web threads. The result is a very firm and resilient material which could be used in the future as a possible replacement for plastic, as part of bio-based composites and in medical applications, surgical fibres, textile industry and packaging.



Nature offers great ingredients for developing new materials, such as firm and easily available cellulose and tough and flexible silk used in this research. The advantage with both of these materials is that, unlike plastic, they are biodegradable and do not damage nature the same way micro-plastic do, said lead researcher Prof Markus Linder at the Aalto University.

"We used birch tree pulp, broke it down to cellulose nanofibrils and aligned them into a stiff scaffold. At the same time, we infiltrated the cellulosic network with a soft and energy dissipating spider silk adhesive matrix," explained research scientist Pezhman Mohammadi from VTT.

Silk is a natural protein which is excreted by animals like silkworms and also found in spider web threads. The spider web silk used by Aalto University researchers, however, is not actually taken from spider webs but is instead produced by the researchers using bacteria with synthetic DNA.

"Because we know the structure of the DNA, we can copy it and use this to manufacture silk protein molecules which are chemically similar to those found in spider web threads. The DNA has all this information contained in it," Linder explained.

Blues of blood



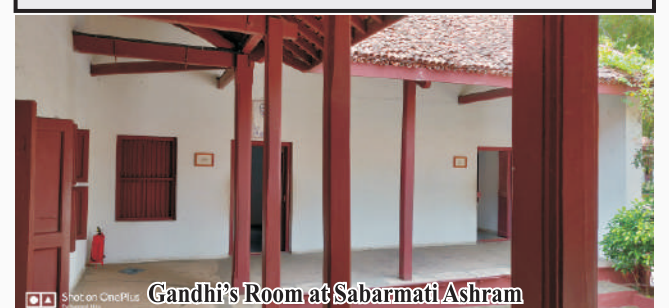
A United States woman's blood turned navy blue after she took a pain relief medicine following a toothache. Doctor diagnosed the problem as "acquired methemoglobinemia", which is indeed a rare blood disorder that causes people to produce an unusual amount of methemoglobin (a type of hemoglobin). According to the National Library of Medicine, in methemoglobinemia, the hemoglobin can carry oxygen, but is not able to release it effectively to the tissues.

BAPU KI JANMATITHI PAR VISHESH JEEVAN YATRA

From Sabarmati Ashram

MOHAN TO MAHATMA

| YEAR | CHRONOLOGY | AGE |
|------|---|-------|
| 1869 | Born at Porbandar, Gujarat | Birth |
| 1876 | Education in a Primary School, Rajkot | 07 |
| 1882 | Marriage with Kasturba, Porbandar | 13 |
| 1887 | Passed Matriculation Examination | 18 |
| 1888 | Reached London to study law, joined Inner Temple | 19 |
| 1891 | Called to the Bar | 22 |
| 1892 | Legal Practice Rajkot and Bombay | 23 |
| 1893 | Sailed to South Africa as a Legal Advisor to Dada Abdulla and Company | 24 |
| 1893 | Thrown off the first class carriage of a train at Pietermaritzburg Station | 24 |
| 1894 | Founded the Natal Indian Congress | 25 |
| 1896 | Wrote and published Green Pamphlet from Rajkot | 26 |
| 1899 | Formed Indian Ambulance Corp during the Boer War | 30 |
| 1902 | Assaulted at Durban | 33 |
| 1903 | First Issue of Indian Opinion published | 34 |
| 1904 | Founded Phoenix Statement | 35 |
| 1906 | Pledge for Brahmacharya (celibacy); nursing of the wounded in Zulu Rebellion | 37 |
| 1906 | Advent of Satyagraha: Empire Theatre, Johannesburg | 37 |
| 1906 | First Deputation to London | 37 |
| 1909 | Second Deputation to London | 40 |
| 1909 | Wrote Hind Swaraj aboard the Ship Kildonan Castle | 40 |
| 1910 | Founded Tolstoy Farm | 41 |
| 1913 | March from Charlestown to Volksrust and Imprisonment | 44 |
| 1914 | Indian Relief Bill passed; Left for India | 45 |
| 1915 | Returned to India via London | 46 |
| 1915 | Founded Satyagrah Ashram at Kochrab, Ahmedabad | 46 |
| 1917 | Satyagraha Ashram shifted from Kochrab to Sabarmati | 48 |
| 1917 | Champaran Satyagraha | 48 |
| 1918 | Kheda Satyagraha; Ahmedabad Mill strike and fast | 49 |
| 1919 | Protest against Rowlatt Act; Jalianwala massacre | 50 |
| 1919 | Publication of Navjivan and Young India commenced | 50 |
| 1920 | Started Non Co-operation movement | 51 |
| 1920 | Founded Gujarat Vidyapeeth | 51 |
| 1921 | Bon-fire of foreign clothes at Bombay | 52 |
| 1922 | Trial for sedition and 6 years imprisonment | 53 |
| 1924 | Commenced writing of Satyagraha in South Africa | 55 |
| 1924 | 21 days' fast for communal unity at Delhi | 55 |
| 1925 | Founded All India Spinners' Association | 56 |
| 1926 | Commenced writing of Anasaktiyog | 57 |
| 1929 | Commenced writing of My experiments with Truth | 59 |
| 1928 | Bardoli Satyagraha; Maganlal Gandhi's demise | 59 |
| 1929 | Purna Swaraj resolution adopted, Lahore Congress | 60 |
| 1930 | Commencement of Dandi March from Sabarmati and subsequent imprisonment | 61 |
| 1930 | Commenced writing of Mangal Prabhat in prison | 61 |
| 1931 | Gandhi-Irwin Pact; Attended the Second Round-Table Conference, London | 62 |
| 1932 | Fast unto death against the Communal Award | 63 |
| 1932 | Founded Harijan Sewak Sangh | 63 |
| 1933 | Publication of Harijan, Harijan Sewak & Harijanbandhu | 64 |
| 1933 | 21 Days fast for self-purification | 64 |
| 1933 | Went to stay at Wardha | 64 |
| 1934 | Founded All India Village Industries Association | 65 |
| 1936 | Moved to Segaoon from Wardha and called it Sewagram Ashram | 67 |
| 1937 | Founded All India Hindustani Talimi Sangh | 68 |
| 1939 | Rajkot Satyagrah | 70 |
| 1940 | Vinoba Bhave chosen as the first Individual Satyagrahi | 71 |
| 1941 | Commenced writing of Consecutive Programme | 72 |
| 1942 | 'Quit India' movement; imprisoned at Aghakhan Palace, Death of Mahadev Desai in Aghakhan Palace, Pune | 73 |
| 1942 | Commenced writing of Key to Health | 73 |
| 1944 | Kasturba's demise at Aghakhan Palace, Pune; Released from prison on health grounds | 75 |
| 1945 | Simla Conference | 76 |
| 1946 | Communal riots in Noakhali and Bihar for Communal Harmony | 76 |
| 1947 | Peace March in Noakhali and Bihar for Communal Harmony | 78 |
| 1947 | Attainment of Independence; Miracle of Calcutta | 78 |
| 1948 | Last Fast; Assassinated at Birla House, Delhi | 79 |



Courtesy Prof. P.K. Kamani

माँ, मातृभूमि एवं मातृ संस्था की सेवा करने हेतु किसी प्रेरणा की आवश्यकता नहीं है।

प्रो० विनय कुमार पाठक

कुलपति डा० ए.पी.जे.अब्दुल कलाम प्राविधिक विश्वविद्यालय, लखनऊ

प्रश्न: आप कुछ विशिष्ट व्यक्तियों में हैं जिन्होंने 95 वर्ष पुराने संस्थान को विश्वविद्यालय के रूप में परिवर्तित होते हुये देखा। आप इसे कैसे वर्णित करेंगे?

यह मेरा सौभाग्य है कि मैंने अपनी मातृ संस्था को संस्थान से विश्वविद्यालय के रूप में उच्चकृत होने की प्रक्रिया को निकट से देखा एवं इसमें सहभागी रहा। तकनीकी शिक्षण के विभिन्न विषयों का एक स्थान पर संचालन, समयानुकूल पाठ्यक्रम, उच्चस्तरीय शिक्षण, अनुसंधान एवं विकास तथा अध्ययनरत शिक्षणार्थियों का सर्वांगीण विकास एच.बी.टी.यू. कानपुर की विशेषता रही है। यही हमारे इतिहास को गौरवशाली बनाता है। विगत 40-50 वर्षों में हमारे संस्थान को सरकार से अपेक्षित सहयोग प्राप्त नहीं हुआ, जिसके कारण अवस्थापना हेतु वित्तीय संसाधनों की कमी रही। शिक्षण कार्य हेतु वांछित पद प्राप्त नहीं हो सके, मानक प्रक्रिया (Standard Procedures) नहीं तैयार हुये तथा अनुसंधान एवं विकास कार्य भी प्रभावित हुआ। 100 वर्षों की धरोहर को संजोये संस्थान को देर से ही सही लेकिन विश्वविद्यालय का दर्जा तो प्राप्त हुआ किन्तु वास्तविकता के धरातल पर इस उन्नयन प्रक्रिया को पूर्ण करने हेतु विश्वविद्यालय को जिस विशिष्ट पैकेज की आवश्यकता है वह नहीं प्राप्त हुआ। हम आशा करते हैं कि वह संसाधन हमें सरकार से शीघ्र प्राप्त हो सकेंगे।

प्रश्न: हरकोर्ट बटलर तकनीकी विश्वविद्यालय तकनीकी शिक्षा के क्षेत्र में विशेष स्थान रखता है। आपके दृष्टिकोण से इसके पीछे क्या कारण है?

एच.बी.टी.यू. की स्थापना ब्रिटिश काल में हुयी। जैसा कि आप जानते हैं, उद्योग नगरी की अपनी एक विशिष्ट पहचान बनाये हुये कानपुर को पूर्व का मैनचेस्टर कहा जाता रहा है। तकनीकी शिक्षा हेतु स्थापित हमारे संस्थान की विशिष्टता इंजीनियरिंग की सभी विधाओं का एक स्थान पर अध्यापन है। उसमें भी विशेष रूप से केमिकल इंजीनियरिंग एवं टेक्नोलॉजी की शाखायें जहाँ पर अभियान्त्रिकी से उत्पन्न समसामायिक प्रौद्योगिकी का शिक्षण। विगत 25-30 वर्षों में संसाधनों की कमी के कारण हमारे संस्थान के लिये काफी कठिन समय रहा जिससे केमिकल इंजीनियरिंग एवं टेक्नोलॉजी के क्षेत्र में हमारा योगदान कुछ कम रह गया। आने वाला समय हमारे लिये काफी चुनौतीपूर्ण रहने वाला है। सम्पूर्ण विश्व, दक्षिण पूर्व एशिया एवं हमारे देश में नये संस्थानों की बाढ़ आयी है जिनके पास संसाधनों की कोई कमी नहीं है। नवीनतम कटिंग एज टेक्नोलॉजी एवं दृढ़ इच्छाशक्ति से परिपूर्ण अन्तर्राष्ट्रीय पटल पर नवसृजित संस्थाओं के मध्य अपने गौरवशाली इतिहास को बचाना एवं साख में अभिवृद्धि करना हमारा सम्मिलित दायित्व है। जिस हेतु प्रगतिशील एवं दृढ़ नेतृत्व क्षमता, दूरदृष्टि एवं अथक परिश्रम आवश्यक है। विश्वविद्यालय के सभी घटक, प्रशासक, गुरुजन, शिक्षणेत्तर कर्मचारी, छात्र-छात्रायें एवं पूर्व छात्र एवं उनके अनुषंगी संगठन मिलकर गौरवशाली इतिहास में नये अध्याय अवश्य सृजित कर सकते हैं।

प्रश्न: हमने आपको एक ऐसे शुभचिंतक के रूप में जाना है जो अपनी मातृ संस्था के सुधार हेतु सदैव प्रयत्नशील रहते हैं। अत्यधिक व्यस्तता के बावजूद आपको ऐसा करने की प्रेरणा कहाँ से प्राप्त होती है?

उत्तर: माँ, मातृभूमि एवं मातृ संस्था की सेवा करने हेतु किसी प्रेरणा की आवश्यकता नहीं है। यह मेरा संकल्प है। माँ से जन्म होता है, गुरु से लौकिक आध्यात्मिक शिक्षा प्राप्त होती है। यह भावना जन्म से बलवती है और मुझे सदैव स्वतः प्रेरित एवं क्रियाशील रहने की प्रेरणा देती है। अपनी मातृसंस्था के चिन्तन एवं भ्रमण से मुझे असीम ऊर्जा प्राप्त होती है।

प्रश्न:- आपके विचार से अपने कोर्स को पूर्ण करने के उपरान्त एक पूर्व छात्र के रूप में अपनी मातृ संस्था के प्रति क्या ज़िम्मेदारी होती है।

उत्तर: मेरे विचार से हमारे जीवन का आधार माता, पिता, गुरु और गुरुकुल होता है जो मिलकर एक शिशु को अपने जीवन में उत्तरदायित्व निर्वहन करने हेतु संस्कारवान एवं क्रियाशील बनाने का काम करते हैं। हमारे विश्वविद्यालय की प्रतिष्ठा का आधार विगत 95/96 सत्र में यहाँ से उत्तीर्ण विद्यार्थियों की प्रतिभा, परिश्रम एवं प्रतिष्ठा है। अनेक विधाओं में पारंगत, ऊर्जावान पूर्व छात्र विगत 100 वर्षों में राष्ट्र की प्रगति में सहभागी रहे हैं। एच.बी.टी.यू. के पूर्व छात्रों ने विभिन्न क्षेत्रों में उच्चतम पदों को सुशोभित कर अपनी मातृ संस्था का मान बढ़ाया। शिक्षा, अनुसंधान एवं विकास, उद्योग, राज्य सेवा, प्रशासकीय सेवा, उद्यमिता आदि समस्त प्रकार के कार्य हमारे छात्र सुचारु रूप से सम्पादित कर रहे हैं। मुझे प्रतीत होता है कि एच.बी.टी.यू. कानपुर का अपने छात्रों से जो सम्पर्क है, जो सहभागिता है वह निर्बाध नहीं है और जो उद्यम हमारे पूर्व छात्र कर सकते हैं और करना चाहते भी हैं वह नहीं कर पा रहे हैं। एल्युमिनी एवं मातृ संस्था में सामंजस्य अपेक्षित स्तर पर नहीं हो पा रहा है। संभवतः हम अपने संस्थान में सहभागिता का वातावरण

निर्मित करने में पिछड़ गये और अपने पूर्व छात्रों को यह विश्वास नहीं दिला सके कि उनके द्वारा अभिप्रेरित योजनाओं एवं उनके दान का समुचित उपयोग विश्वविद्यालय में हो सकेगा। यदि उद्यम पूर्ण भी हो गया तो क्या वह आगामी वर्षों हेतु अनुरक्षित (Maintain) किया जायेगा? सौ वर्षों की गौरवशाली परम्परा को मजबूत करने हेतु परस्पर सहयोग का आधार तैयार करना अति आवश्यक है। यदि आप चिन्तन करें तो पायेंगे कि एच.बी.टी.यू. से 35-40 वर्षों के उपरान्त अस्तित्व में आये हुये संस्थान अवस्थापना एवं पूर्व छात्रों से प्राप्त सहयोग के क्षेत्र में नये सोपान सृजित कर रहे हैं। I.I.T.'s में पूर्व छात्रों के धन से अनेक उल्लेखनीय कार्य हुये जैसे आईआईटी खड़गपुर में विनोद गुप्ता स्कूल ऑफ मैनेजमेण्ट एवं डॉ० बी.सी. रॉय इन्स्टीट्यूट ऑफ मेडिकल कॉलेज, आईआईटी मुम्बई का कंवल रेकी संस्थान एवं आईआईटी कानपुर का कम्प्यूटर सेण्टर आदि। एल्युमिनी द्वारा मातृ संस्था को प्रतिदान के क्षेत्र में प्रत्येक सत्र में उत्तरोत्तर वृद्धि हो रही है। हमें भी विश्वविद्यालय में एक विशेष कार्य बल का गठन करना होगा जो एल्युमिनी एकेडमी सम्बन्धों को मजबूत कर पूर्व छात्रों द्वारा अपेक्षित कार्यों का निर्माण, संचालन एवं अनुरक्षण कर सके।

प्रश्न: आपके विचार से पूर्व छात्रों को विश्वास दिलाने हेतु क्या करना आवश्यक होगा?



उत्तर: मुझे लगता है कि एल्युमिनी की गतिविधियों को सुव्यवस्थित बनाने हेतु वैधानिक प्रावधान करने होंगे तथा असंबद्धता तथा अनौपचारिक स्वरूप को बदलना होगा। "स्वयं से पूर्व सेवा" को पूर्व छात्र सहयोग संगठन का आधार बनाना होगा। Executive Council एवं Academic Council की तरह ही Alumni Council का भी प्रावधान होना चाहिये जैसा कि एच० बी० टी० यू० एक्ट में भी प्रस्तावित है। पूर्व छात्र परिषद के संचालन में राजनीति, आत्म मुग्धता एवं आत्म श्लाघा का कोई स्थान नहीं होना चाहिये तभी हम अपने पूर्व छात्रों को मुख्य धारा से सम्बद्ध करने में सफल होंगे। दान की प्राप्ति, उपयोग एवं अनुरक्षण, अभिवर्द्धन हेतु नियमावली का सृजन भी हो जिससे मातृ संस्था एवं सम्पूर्ण विश्व में फैले एच.बी.टी.यू. परिवार के सदस्य लाभान्वित हों।

प्रश्न: एच.बी.टी.यू. आगामी 25 नवम्बर 2021 से अपने सौ वर्ष पूर्ण करेगा। आपके विचार से इस अवसर पर अपने 100 वर्षों के इतिहास की स्मृतियों को संजोने हेतु हमें क्या करना चाहिये।

उत्तर:- गौरवशाली इतिहास के सौ वर्ष। अनेकों स्मृतियाँ। पूर्व छात्रों का राष्ट्र के विकास में उद्यम अनेकों नयी संस्थाओं का जन्म स्थल। इन स्मृतियों को स्वर्णाक्षरों में अंकित कर अमर बनाने का प्रयास हमें शताब्दी वर्ष में करना होगा। शताब्दी वर्ष के अमृतपूर्व आयोजन की तैयारियाँ शुरू न हो पाने से मैं दुखी भी हूँ। मेरी इस विषय में माननीय मंत्री महोदया से भी बात हुयी थी। इस अवसर का उपयोग अपनी मातृ संस्था के सुदृढीकरण हेतु करना चाहिये। पूरे वर्ष में हमें तीन से चार बड़े कार्यक्रम आयोजित करने चाहिये। सम्पूर्ण विश्व में कार्यरत अपने पूर्व छात्रों को आदरपूर्वक आमन्त्रित कर सम्मानित करना चाहिये। स्मृतियों को पुनर्जीवित करने हेतु कॉफी टेबल बुक का मुद्रण आदि। समापन में हमें एक शानदार जलसा करना चाहिये। जिसमें माननीय राष्ट्रपति महोदय, प्रधानमंत्री महोदय, राज्यपाल महोदय, मुख्यमंत्री महोदय एवं समस्त सम्बन्धित गणमान्य व्यक्तियों को आमन्त्रित कर सम्पूर्ण विश्व में अपनी ओजपूर्ण उपस्थिति को प्रतिष्ठित करना समीचीन होगा।

प्रश्न: आप ए० के० टी० यू० लखनऊ के कुलपति के रूप में एच० बी० टी० यू० के साथ किन क्षेत्रों में सहयोग के आयाम गढ़ सकते हैं।

उत्तर: ए० के० टी० यू० लखनऊ एक संबद्धता प्रदान करने

वाली (Affiliating University) है जबकि एच० बी० टी० यू० कानपुर एक ज्ञान पर आधारित (Knowledge Based University) है। ए० के० टी० यू० के पास प्रचुर मात्रा में वित्तीय संसाधन हैं जबकि एच० बी० टी० यू० के पास ज्ञान एवं अनुभव का भण्डार। ए० के० टी० यू० पूर्व में भी एच० बी० टी० यू० को वित्तीय संसाधन उपलब्ध करवाता रहा है एवं भविष्य में भी व्यावहारिक योजनाओं के क्रियान्वयन में सहयोग किया जा सकता है। जबकि एच. बी.टी.यू. अपने ज्ञान, एवं अनुभव द्वारा ए०के०टी०यू० को लाभान्वित कर सकता है।

प्रश्न: एक नीति निर्माता के रूप में आप तकनीकी शिक्षा के वर्तमान परिदृश्य को कैसे परिभाषित करेंगे? इसमें सुधार का क्या अवसर है?

उत्तर: तकनीकी शिक्षा एक संक्रमण काल से गुजर रही है। मैकेनिकल, इलेक्ट्रिकल, इलेक्ट्रॉनिक्स, कम्प्यूटर साइंस आदि परम्परागत अभियान्त्रिकी शाखायें समय के साथ काल बाधित हो रही हैं। इण्डस्ट्रियल रेवॉल्यूशन 4.0 के आगमन के साथ आर्टिफिशियल इन्टेलिजेंस, डेटासाइन्स, ब्लॉक चेन आदि नयी शाखाओं का प्रादुर्भाव हो रहा है। केमिकल साइंस एवं बायोलॉजी के संयोजन से बायोटेक्नोलॉजी एवं बायो केमिस्ट्री जैसे नये क्षेत्र सृजित हुये हैं और यहीं हमारा भविष्य है। शिक्षण में भी ईट और पत्थर वाली संस्थाओं का स्थान आभासी (Virtual) विधियों ने ग्रहण कर लिया है। विगत सौ साल से ऑटोमोबाइल सेक्टर में राज्य कर रहे Internal Combustion Engines शीघ्र ही कालातीत हो जायेंगे जिनका स्थान लेने हेतु इलेक्ट्रिकल इंजन बाजार में दस्तक दे चुके हैं। नवीनतम प्रौद्योगिकी का ज्ञान अर्जित कर ही हम वैश्विक स्तर पर अपने को खड़ा रख सकेंगे।

प्रश्न: आप एक विद्यार्थी के रूप में किस संस्मरण को उद्धृत करना चाहेंगे?

हमारे समय रैगिंग की प्रथा अपने संस्थान में प्रचलित रही है। प्रारम्भ में भय के कारण अपने सीनियर्स से बचते हुये अन्तिम कक्षा समाप्त होते ही दौड़ते हुये नवाबगंज तक जाना और टैम्पो पकड़कर अपने घर को प्रस्थान कर जाना मुझे भलीभाँति याद है। कक्षा से बाहर आने में जरा सा विलम्ब होते ही बिना दाढ़ी मूँछ का चेहरा नवप्रवेशी की पहचान सुनिश्चित कर देता और रैगिंग से बचना असम्भव हो जाता था।

प्रश्न: आपको एच.बी.टी.यू. में प्रवेश करते समय क्या यह अनुभूति थी कि एक दिन आप इसके सर्वोच्च पद को सुशोभित करेंगे?

उत्तर: प्रवेश के समय जब हमारे सभागार में तत्कालीन निदेशक महोदय, प्रो० ए० के० वशिष्ठ ने हमें "My Dear Young Friends" कहकर संबोधित किया तो वह हमारे जीवन में एक बड़ी क्रान्ति का क्षण था। मैंने यह अवश्य कल्पना की थी कि एक दिन राष्ट्र सेवा में रत मुझे अपनी मातृ संस्था की सेवा का अवसर मिलेगा। मैंने सोचा था कि यहाँ पर एक शिक्षक का दायित्व निभाऊँगा। तब मेरे मन में निदेशक पद तक का विचार था किन्तु विश्वविद्यालय के रूप में संस्था के उच्चिकरण एवं कुलपति पद के विषय में मैंने नहीं सोचा था।

प्रश्न: छात्रों के भविष्य हेतु आपकी बहुमूल्य सलाह जिससे हम एक धरोहर के रूप में संजो कर रख सकें?

उत्तर: सूचना प्रौद्योगिकी एवं दूरसंचार क्रान्ति से विश्व का आकार छोटा हो गया और अब हमारे छात्रों को अन्तर्राष्ट्रीय परिदृश्य में अपने को स्थापित करना होगा। अपने जीवन को सफल बनाने हेतु गहन अध्ययन करें, नवीनतम तकनीक से सम्बन्धित शिक्षण अवश्य प्राप्त करें। जिज्ञासु बनें, अपने माता पिता एवं गुरुजनों का सम्मान कर उनसे अधिकतम ज्ञान अर्जित करें। रोजगार के अवसर बढ़ाने हेतु सर्वांगीण विकास पर ध्यान केंद्रित करें। भविष्य स्वर्णिम होगा।

प्रश्न: आप पाँच अवसरों पर चार विश्वविद्यालयों के कुलपति पद को शोभायमान कर चुके हैं। प्रबंध संचालन के क्षेत्र में अपने अनुभव हमसे साझा करें।

उत्तर: सरकारी विश्वविद्यालयों में कार्य संचालित करने का प्रत्येक प्रशासक का एक निश्चित तरीका होता है। हमारा अनुभव रहा कि विश्वविद्यालय प्रशासन निर्बाध रूप से संचालित करने हेतु शिक्षकों कर्मचारियों की समस्त आवश्यकताओं का त्वरित निस्तारण एवं नौकरशाही से संतुलित संव्यवहार आवश्यक है। दूसरा प्रमुख कार्य नयी भर्ती में आने वाली अड़चनों को दूर करना एवं पर्याप्त मानव संसाधन उपलब्ध करवाना होता है। इसके अतिरिक्त राज्य नियंत्रित संस्थाओं में स्थायी कर्मचारियों को कर्मरत रहकर परिश्रम एवं गुणवत्ता से कार्य करने हेतु प्रेरित करना भी एक महत्वपूर्ण दायित्व है।

बारिश

बे-वक्त मौसम हो,
या मौसम अपने शबाब में हो,
उसका आना हमेशा मेरे चेहरे पर मुस्कान लाता है,
एक अजनबीसी खुशी,
मन में एक गुदगुदी दे जाता है,
ये बारिश,
कभी बेहिसाब खुशी देती है,
तो कभी सारे आंसू छुपा जाती है,
एक अनोखा सा रिश्ता लगता है तुझसे।
अच्छा लगता है,
तुझे यूँ गिरते हुए देखना,
जब तू फूल-पेड़ों को नहलाती है,
जब तू अचानक से आकर सबको चौंका देती है,
अच्छा लगता है,
तेरे साथ मिलकर खुले आसमान के नीचे झूमना,
तेरे साथ छप-छपाक करने में।
तेरे जाने पर भी मुझे दुख नहीं होता
क्योंकि
तू जाते-जाते दे जाती है एक धुला हुआ जहां,
एक ऐसा जहां
किसी कलाकार की रची हुई नयी कला के जैसे।।

-Akanksha Verma
2nd B. Tech. CE



Ishwi Varshney
1st B. Tech. Chem. Engg.

MY FIRST LOVE

Makes out that I ain't well through a pixel screen,
Calms me down when I am startled by a scary dream.
Her handmade food is the most vulnerable thing,
Inquires miserably when you pick her call in second ring.
Protecting me from behind the black dots in password,
Never on leave; a no to my tantrums is yet not heard.
Predicting upcoming troubles by that mere one look,
Bad at math for she makes 3 though I tell her 2 chapattis to cook.
Defining love seems easy as you start to talk of her lap,
When you're snoring loud, she too takes her little nap.
Sure to give an hour long motivation when you feel low,
Yes! I got it all from my Mama : My Best Friend though.

NANDITA SAXENA
MCA 1st YEAR



Nirvesh Shukla
2nd B Tech Mech. Engg.



Akrati Pal
1st B. Tech. I.T.



Harsh Vardhan Gupta
3rd B Tech Biochem Engg.

JOURNEY

The path seems endless,
The journey seems to be long
But to live,
I have to carry on.

Even though it's tiring,
Still I want to relish
I want to fathom,
The gospel truth for this.

The journey would not be a bed of rose,
It's not just a matter of prose
The reality that has dawned upon many,
They have to move on even when in melancholy.

On every miniscule step we get distressed,
Coz of clouds of anxiety hovering over our head
So to avoid getting them showered over us,
We have to move fast to get rid of any kind of fuss.

This is just a replica of life's journey,
Which unveils new mysteries on its way
It can be both a beautiful or an ugly journey,
But this would simply depend on how you were able to
get along with 'While On Your Way'!!!!

RAGINI MISHRA
2nd B.Tech
ELECTRICAL ENGINEERING



Photography and Editing
Pradyumn Pal
1st B. Tech. Electronics Engg.