



THE PULSE OF HBTU

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Fortnightly Newsletter

Students Development @ H.B.T.U.

Placement Cell
Incubation Cell
Benchmark Start up Projects



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From the Desk of Patron



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Hon. Vice Chancellor
Harcourt Butler Technical University, Kanpur

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Mission Clean and Green In & Around H.B.T.U. Kanpur



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HISTORICAL JOURNEY FROM INSTITUTE TO UNIVERSITY

The history of Harcourt Butler Technical University dates back to the 1920s when there was a growing realization of the need for advancement in science and technology among the people of what was then called the United Provinces. Consequently, the Indian Industrial Commission, 1916–18, at its Nainital meeting, proposed two institutions for engineering — one at Roorkee and the other at Kanpur. To boost entrepreneurship, accelerate industrial

development, create a sound environment for contemporary applied research, and inculcate scientific temper, an institute called **Government Research Institute, Cawnpore** was started in 1920. It was housed in the two rooms of what was called Bhoot Wali Kothi. The old majestic building is still intact at the northwest corner of Company Bagh crossing, near Nawabganj. Dr. H. E. Annett, who was then the Principal of the



Opium Research Laboratory, Cawnpore, of which the new institute was an adjunct, was appointed as the head.

On 25 November 1921, the then governor of the United Provinces, Sir Spencer Harcourt Butler (1869–1938), K.C.S.I., C.I.E., formally laid the foundation of the present main (administration) building. It was rechristened **Government Technological Institute** in 1921. In 1928, it got the name Harcourt Butler Technological Institute. Its first principal of Indian nationality was Shri Dattatreya Yashwant

Athawale. As of 1 September 2016, it was granted a university status and renamed Harcourt Butler Technical University under the *HBTU Act, 2016* passed by the Government of Uttar Pradesh.

HBTU is the mother institute of the National Sugar Institute (in 1936, then known as Imperial Institute of Sugar Technology), the Government Central Textile Institute (in 1937), now known as the Uttar Pradesh Textile Technology Institute, Indian Institute of

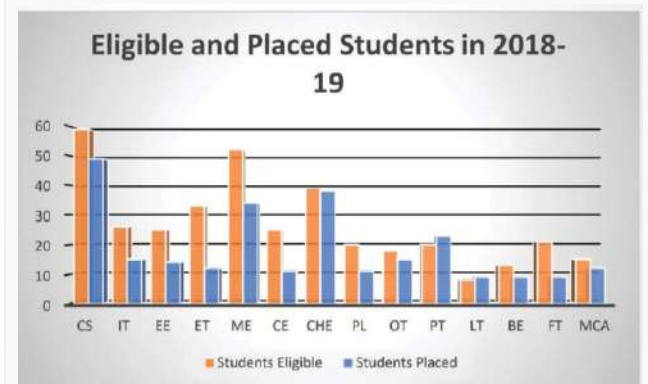
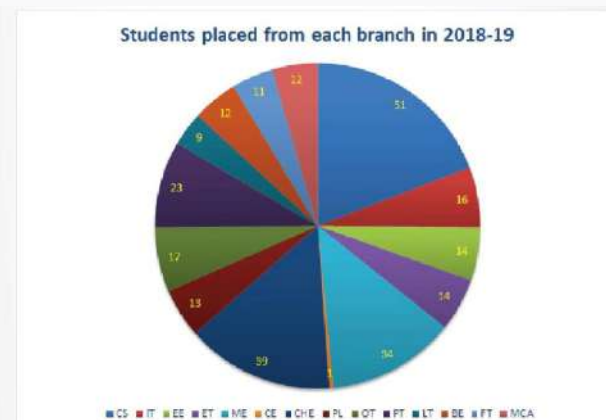
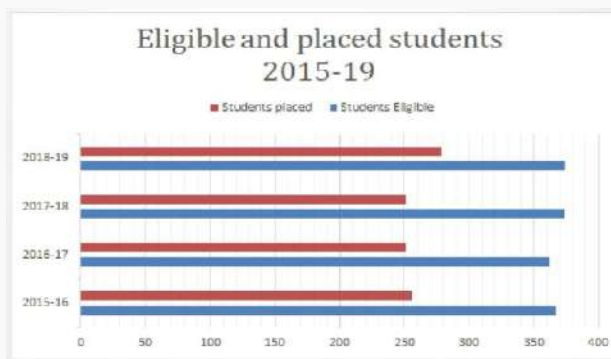
Technology, Kanpur (IIT/K) in 1960, the Glass Institute and Rajkiya Engineering Colleges at Mainpuri, Kannauj and Bijnor. It was also one of the 127 technical institutions in India which were the recipients of funding from World Bank's International Development Association (IDA) in the phase one (2004–2009) of the Technical Educational Quality Improvement Program (TEQIP) – the first World Bank project in Higher education in India.

As the sixth oldest institute for engineering in the nation, HBTU has had its fair share of involvement in the research and development phase of the education system to that of entrepreneurship and start-ups. A mixture of experience and youth, the elderly institute turned new university has always held up industrial partnerships in high regards and wishes to continue the same in future.

2 STUDENTS DEVELOPMENT

PLACEMENT CELL

HBTU is running courses in 13 different disciplines, so it is an opportunity and also a challenge to perform in the area of placement. HBTU is maintaining the healthy record from last three years which is always around 70%. Highest package in year 2018-2019 was 37 Lakh and in the Current year i.e. 2019-2020 is 43 lakh.



INCUBATION CELL

Incubation Cell GIIEC:- To boost entrepreneurship, accelerate industrial development, create a sound environment for contemporary applied research, and inculcate scientific temper, an institute called Government Research Institute, Cawnpore was started in 1920. After getting the status of University, HBTU took many steps for the same. University has different cell GIIEC for activities related entrepreneurship under Dean Incubation HUB. Cell conducts Various activities like Talk Sessions, E-Summit , Shuruat Bus, Pitching events etc.



BENCHMARK START UP PROJECTS AT THE UNIVERSITY



As the result of the efforts of Incubation Cell HBTU, Three Start-ups of students of HBTU got felicitated at national level stages namely BLDC fan, Portable AC, Renera Homes which have conceptualized digitally controlled low power consumption fan, low cost air conditioning equipment and interactive portal for rental household, respectively.



FROM THE DESK OF HON VICE CHANCELLOR - CHARACTER DEVELOPMENT : PART III RESPONSIBILITY OF STUDENTS TOWARDS SOCIETY



Today's youth is tomorrow's nation. And today's youth are our students. Students play a vital role in society and how a society is shaped generation after generation. The formative period of an

individual is during the student phase and hence it is known to be the crucial time of life. What is being sown today shall be reaped later.

Education enables the student to understand his thoughts and himself along with his freedom in his life. Education starts not only from school, but from every home. A child learns from his home, school and then from the society and thus every individual that a kid interacts, influences his life later on.

When students are treated with due respect and responsibility, they have also lived up to be responsible and respect in return to the society. When being recognized, they have the

acceptance to work for a better society through hardships rather than giving up in between.

Students are like bridge between two generations. They need to realize the happening of today, extract the good out of it and eliminate the bad and then implement it for tomorrow. They have to understand that it will be their actions that will determine the fate of their country in the coming years.

FRATERNITY ACHIEVERS

EVERYONE HAS THE RESEARCH APTITUDE, THE ONLY THING IS TO CHANNELISE IT

Prof. Shishir Sinha, Head Chemical Engineering Department, I.I.T. Roorkee



Q-After completing your B.Tech and M.Tech from HBTU and now you are holding the post of HOD Chemical engineering IIT Roorkee. How you see your Journey?

Ans-My journey towards becoming a HOD or being in any administrative or research field at IIT Roorkee and Thapar University Patiala is extremely eventful. It was not decided by me whether I will go in the academic profession or not. When I was in B. Tech final year I was employed to a number of companies but later on I decided to do M. Tech. as I was influenced by my father. He is an Orthopaedic surgeon he told me if you want to go for higher studies then do it now else you'll land in trouble so immediately I joined M. Tech. after completion of B. Tech. and I did my M. Tech. from IIT Kanpur. There after I completed my Ph.D. in a short span of 3 years. Subsequently I joined "Thapar University" when I was at the final stage of my research work. I went to IIT Roorkee and there was professor Premnath who took my eventful interview and he asked me why I wish to join IIT Roorkee. I told him precisely that sir I want to see myself at your position at first instant he said that he want to see me at IIT Roorkee. Then I joined the department in 2006, the department comprises of two parts B.Tech. and "Polymer Science & Engineering". As an administrator we should have a crystal clear vision for a department and I think we should all have a path to achieve that vision. My 20 years journey has been a fantastic and eventful journey there were many good and bad memories.

Q-You are a polymer expert. How you see the field of polymer? The impact of plastic ban in India as you are expert in the area of polymer and possible solutions to it.

Ans- Full of opportunities, as whenever the government bans plastic or anything else then being an engineer you should find a substitute. Now a days students are engaged in replacing the old age Technology. I always tell my students to grab opportunities. People are using jute bags and paper bags, the entire perspective has changed. If you think in terms of research it will lead to new Arena and if you think in terms of entrepreneurship it opens another field. In a lab students are working on recyclable plastic, if you develop a sustainable Technology for recycling of a single use plastic in after 10 or 20 years no one can replace a polymeric product. But for this we must have some technology which can

promote recycling and reuse. Another aspect is the electronic waste. As a young engineer, I would like you to think positively and find an opportunity in each challenge.

Q-What steps should be taken by HBTU to improve the number?

Ans-There are two aspects, one is hidden and another is prominent. But, ultimately you are the brand ambassador. You people try to motivate. You people are main driving force. If you see a kid, he is full of energy and the driving force of family and so you people are the force of your Institution - you are young, energetic. The only need is to improvise the acceleration so that it can improve the environment of global demand for every educational Institution. There are 3 pillars - one the Institute itself, it's legacy, faculty and responsibility. Suppose you go for a research, you will approach your professor, either he will know the answer, he will tell, if he doesn't know, he will use his resources and knowledge, this will inculcate the knowledge. Increasing the knowledge of faculty as well as students. So you need to change your attitude and try to look up. Try to find out things. Remember, the positive point is you have 100 years legacy, try to be smart.

Q-In the prevailing scenario, number of students interested in research were very few what are your views on this?

Ans-See for every product there is a series of research. Now one thing is that the perception of same students is very wrong, they believe that if you go for research the career will be teaching this is absolutely wrong. The reason is, that when you go for research you must have innovative aptitude. If you invent a product and you have marketing ability, then you can gain money like anything, research can lead to entrepreneurship. Nowadays, If you are in the market of Technology, you must have enough and ample money to buy that. Another aspect is that after Ph.D., teaching is the only option, but trust me that you can earn money like anything else after doing this. There are so many other aspects like consultancy, like in IIT Roorkee, they are earning money like anything, they are paying taxes in terms of crores. See India is a developing country so this aspect is very beneficial. There has been a drastic change in China which was facilitated by Research is application based Sciences and need based products have been developed. I am telling you research is the need of time and it will lead to a new arena. So many young entrepreneurs in the market, who have done Research and they have gained huge amount of money. If you enter the top 2 highest

paid CEOs across the globe you will find majority of them are chemical engineers. Think out of the box. You have good library in HBTU, good faculty, this is the age and time you can have idea's and execute them. Things are changing nowadays. Give more emphasis on practical knowledge rather than bookish knowledge, this will lead to innovation. That's why the 30 to 70 courses, have been reduced to 20 courses to emphasise more on practical knowledge. Everyone has the Research aptitude, the only thing is to channelise it.

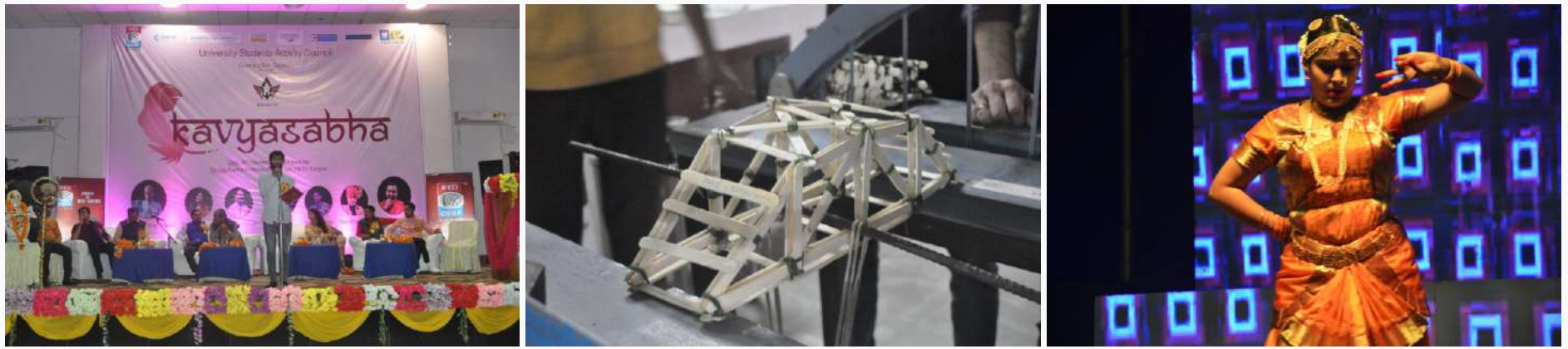
Q-Any hilarious moment of your student Life? How you see the Impact of those years that you spent at HBTU in your life? What made you to choose the field of education and research? Your Message to the students who are currently pursuing their courses in HBTU? As you regularly visit alma mater what changes you wish to see in HBTU so that it can also get back its old glory?

Ans- See there are so many things I would like to share that HBTU has a 100 year old legacy, so first and foremost it is the responsibility of the students of the institute to be in touch with their alumni, as they have very good practical experience which would be very beneficial for the students in the course of their professional studies. In last 4-5 years I saw that there are many advancements in University be it on the infrastructure or professionalism aspect.

As our conversation is reaching its ending note there are some advices that I would like to give to the students. First being- Don't listen to your near and dear ones, think in your own way and then devise a methodology of achieving your goal by yourself keeping in consideration the various paths leading to your destination. You being a chemical engineering undergraduate would have read about Peng- Robinson equation in thermodynamics. I had met Prof Peng, he is a 75 year old man who had invited me for dinner. While having my supper, out of curiosity, I asked him a question that sir how old are you on account of which he gave me a pretty amazing answer- "I am a 20 year old person with 55 years of experience in thermodynamics", this is the positive aspect of seeing things which should be exercised by each and every student of any great Institution. Being an Indian student you all should be pretty familiar with jugaad technology, this is the basic thing which gives us the edge over the other engineering graduates all over the world. That is how there is a great demand of Indian minds all over the world. And my final advice would be that open up your minds, forget bookish knowledge and be practical.

THE FIRING RENAISSANCE

FROM ODYSSEY TO ADHYAAY



Odyssey was the annual cultural fest of the HBTU and one of the most famous and prestigious cultural fest of U.P. After getting the status of University, HBTU introduced "Adhyaay" a techno cultural fest, where the five sub councils come together to make this more grand and memorable. Now we have an event spread over 3 days which consists of nearly 100 competitive events. Three nights which include "Kavya Sabha", "DJ Night" and the "Celebrity Night" along with the very famous "Nukkad Natak" performance of "Harcourtians".

"AGAAZ" SPORTS FESTIVAL OF THE UNIVERSITY



Sports do not build character. They reveal it. So when it comes to character building of students HBTU took that very seriously and started the annual sport event named "Agaaz" where students participate in various sports like athletics, badminton, chess, table tennis, volleyball, football etc. at the Inter college level. Students also get the flavour of the fun event like fun fair and the EDM Night performed by national level artists.

TEACHER'S DAY CELEBRATIONS AT HBTU KANPUR



Another day which is celebrated by the students of HBTU with full of enthusiasm. University started celebrating "Teachers Day" at a grand level where all the students come together to pay tribute to their teachers and retired faculties who are living legends.

ALUMNI MEET @ HBTU KANPUR : STRENGTHENING BOND WITH ALMA MATER



15th Alumni Meet Nov 2019

Felicitating Dr A.K. Khandelwal
Ex CMD : Bank of Baroda

Valedictory Ceremony
Class of 1990

Felicitating Dr Ashutosh Karnataka
CMD : GAIL India Limited

Alumni activities at H.B.T.U. Kanpur for all round development of the University. We have a grand heritage of close to a century. HBTU completes its centenary on 25th Nov 2021. Together with the Alumni highly placed in different organizations, the world over, we expect great contribution in training, placement, mentorship, entrepreneurship and overall personality development of current set of students.

COMMUNITY SERVICE

NATIONAL SERVICE SCHEME AT HBTU KANPUR

Flood Relief - The students of HBTU collected a lot of funds for Kerala flood victims by persuading gentlemen on the streets of Kanpur. Students had put drop boxes at different locations in our college for collection of money, clothing, food items and medicines to be sent to the friends in need. In this collection drive more than 300 kg of relief material was collected and sent to Kerala. In the year 2019, at the time of Orissa floods, faculty and the workers donated one day's salary each to the "Chief Minister's Relief Fund".

NSS- Students under the umbrella of NSS sub council performs various social activities like educating the children in villages, paying homage to martyrs, distribution of essentials to the children of villages, health camp and many others.....

स्वच्छ भारत
स्वस्थ भारत
महा अभियान के अन्तर्गत
ALUMNI ASSOCIATION, HBTU, KANPUR
HARCOURT BUTLER TECHNOLOGICAL INSTITUTE, KANPUR
की अग्रणी पहल
संस्थापक दिवस के उपलक्ष्य में
स्वच्छ एच.बी.टी.आई. स्वस्थ एच.बी.टी.आई. सप्ताह

- फिरोज गार्डन, नयापन, विद्यालयवासी एवं मरवा के परिसरों में ALUMNI ASSOCIATION, HBTU, KANPUR द्वारा आयोजित सफाई में सभी विद्यालयों के अस्तरों की पूर्ण सुरक्षा एवं स्वच्छ विस्तार संरक्षण का कार्यालय सुरु किया गया।
- Corridors, Footpaths, Car Parking, Tennis Court, Roadside, Auditorium & Canteen के चारों तरफ तथा अतिरिक्त सभी जगहों में जल टूट जाने पर तुरंत सफाई की जाती है।
- वातावरण - वास्तवीय विविधताओं, वास्तु के सम्मान में।
- वास्तुगत सर्वोत्तम काम के बिना नदी/खाल के जगहों की रक्षा होती है। आवश्यकता पड़ने पर स्वीकृत व्यक्तियों हेतु सभी काम HBTU परिसर में सफाई आयोग।
- समय-समय पर विभिन्न वास्तु के परिसरों में सभी परिसरों एवं कर्मचारियों के लिये स्वच्छता सत्रिकाएँ।
- नदी, नहरों/खालों में अतिरिक्त जल निकास, सफाई के कार्यों में वास्तुगत सफाई आयोग।
- वास्तुगत HBTU परिसर के Telephone No. and e-mail एड्रेस का जहाँ-जहाँ लागू निर्देशों के तहत निर्दिष्ट कार्यालय, विस्तार एवं आवास में और जहाँ-जहाँ लागू निर्देशों के तहत निर्देश एवं सफाई आयोग के तहत HBTU में स्वच्छता आयोग के तहत।

MISSION CLEAN & GREEN IN AND AROUND H.B.T.U. KANPUR

Swachhta Hi Seva - Students and Faculty of HBTU took Swachhta as a mission. Various activities which are performed by the students and faculties like in house swachhta drives, swachhta weeks, students swachhta initiative in different villages of Kanpur and contribution making people of village more aware about cleanliness and it's direct impact on their health. Even in the past, "Clean HBTI, Healthy HBTI" campaigns have been organized which have a direct social impact on the life of HBTU fraternity as well as the residents of nearby localities. The villages which were adopted for social service.



मिट्टी की महक

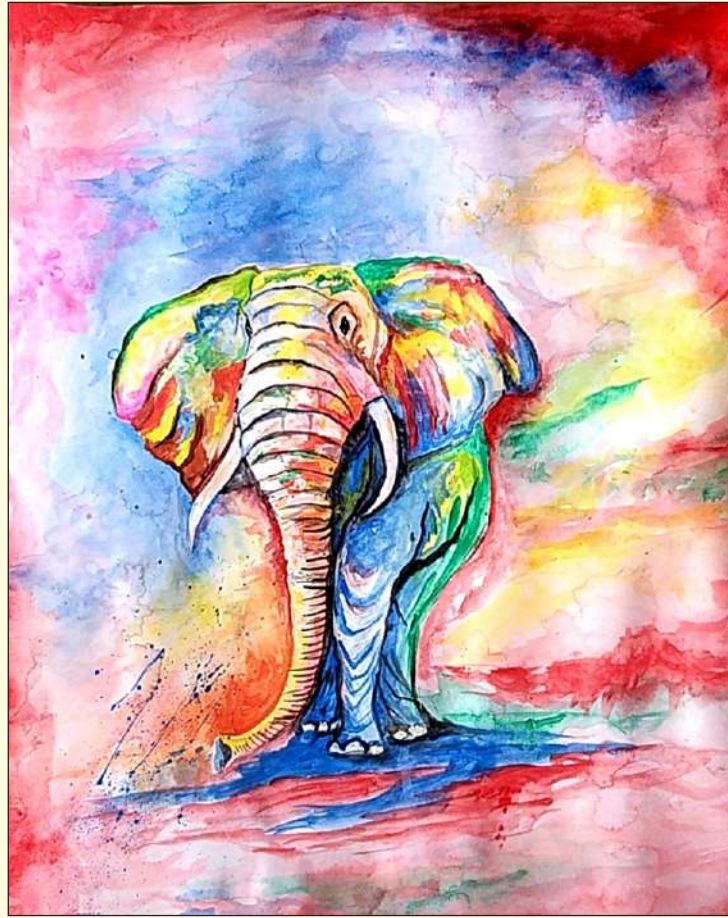
मेरे गाँव की मिट्टी की साँधी खुशबू
तेरी याद बहुत आती है
हर मुश्किल का संबल बनकर
जिन्दगी आज भी जहाँ मुस्कराती है
ओढ़े दामन हरियाली का
जहाँ धानी चूनर लहराती है
ओ जन्मभूमि ओ मातृभूमि
तेरी याद बहुत आती है।
वो गलियाँ वो चौबारे
जहाँ लुकाछिपी हम करते थे
वो बगिया अपने आमों की
जहाँ दिन भर खेला करते थे
जहाँ नहर शारदा कल कल कर
जीवन का गीत सुनाती है
मेरे गाँव की ए पावन धरती
तेरी याद बहुत आती है।
जहाँ नयी लालिमा सूरज की
हर दिन तरुणाई लाती थी
कोयल की कू कू मन में जब
एक जोश नया भर जाती थी
जहाँ तपती धरती भी ठंडक दे
निजता का भान कराती है
ऐ शस्य श्यामला धरती माँ
तेरी याद बहुत आती है।
देखता हूँ पीछे मुड़कर जब
आँखें खुद नम हो जाती हैं
जहाँ बचपन बीता उन गलियों में
वो यादें मुझे लुभाती हैं
कितनी दूर निकल आये अब हम
वो खुशबू अब भी आती है
ओ जीवन दायिनी पुण्य धरा
तेरी याद बहुत आती है।
आम्र मंजरी की मोहक खुशबू
अब नहीं वहाँ पर आती है
न घरोंदे छप्पर वाले हैं
न शीतल बयार अब आती है
पर फिर भी अपनों की पूज्य भूमि
हर बार मुझे दुलराती है
मेरे गाँव की मिट्टी की साँधी खुशबू
तेरी याद बहुत आती है।

रचनाकार

डॉ. राम नरेश त्रिपाठी 'मयूर'



Akanksha Singh
First B.Tech. Food Technology



Ishwi Varshney
First B.Tech. Chemical Engineering

My Wisdom Tooth is a Rebel

My wisdom tooth is a rebel.
It has bloomed late
But it doesn't want to be like the rest,
So it doesn't come up straight.
They say it wants more space
Than I have for it
And even though it is painful,
I like that it isn't trying to fit in and
lose itself
By the judgements of the remaining
28
That sit upright in gum-benches next
to it
In the classroom of my mouth.
It has been months now
But it takes the lyrics I let pass by it
'I won't fix, I'd rather weep'
Too seriously.
Tomorrow morning,
They will open its bench,
Slice it in half,
Pull him out of the ordered
classroom
And throw him away.
In trash maybe.
And make an example out of it
For others to remember and dread.
The 28 will say it has failed.
Decades of conditioning can do that.
But I know, it hasn't.
It is different.
It is unique.
It is special.
It wants to find its own way
And the classroom is too small for it.
But I am happy that
At least, in trash,
It will be free,
Free to be anything it wants.
Finally.

Karan Singh Khati
Final B.Tech.
Information Technology



Upendra Singh Chauhan
First B.Tech. Computer Science & Engineering



Karishma Mishra
First B.Tech. Bio-Chemical Engineering

I slept and dreamt that life was joy. I awoke and saw that life was service. I acted and behold service was joy.

Gurudev Rabindra Nath Tagore