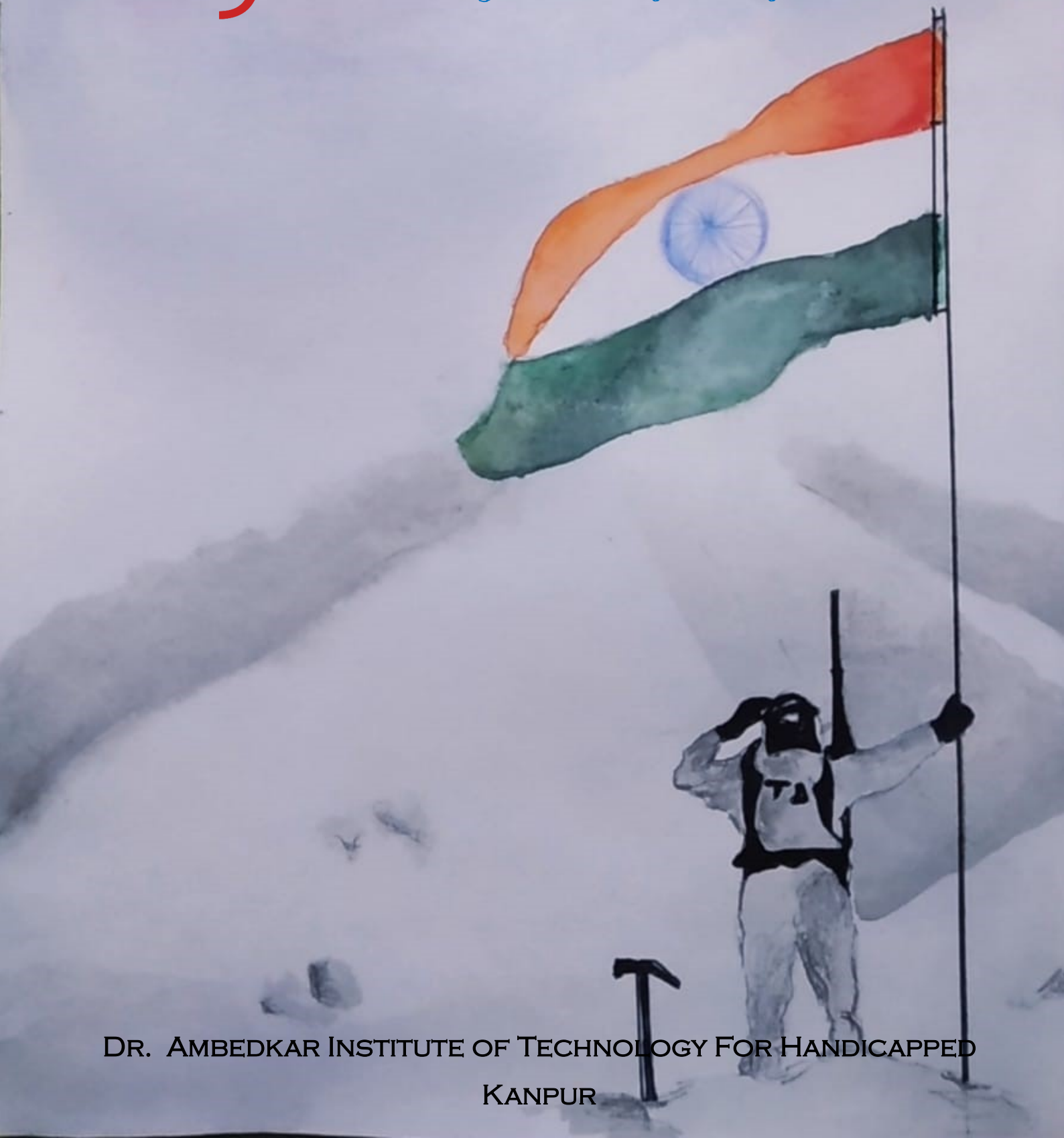
Vol. 2 2019 Jan-Feb

Mantavya

Giving voice to campus whispers



Dr. Ambedkar Institute of Technology For Handicapped
Kanpur

INTRODUCTION

The purpose of this e-magazine is to provide a platform to students for free expression of their inner voice.

The title of our e-magazine, "**MANTAVYA**" fully satisfies its tagline "**Giving Voice To Campus Whispers**". The thoughts and emotions of students and faculties whisper in our college campus through this e-magazine. The dream of Mantavya comes true because of the love & support of our faculties and warm dedication of all members of the e-magazine team.

This e-magazine has beautiful combination of recent and upcoming college events, its achievements and content given by the students and teachers like articles, poems, puzzles, tech-news, sketches and many more.

Mantavya is the result of an impressive teamwork, true dedication and extraordinary effort of all students and team members.

Acknowledgment

Dear Reader,

Greetings to you!!

Very few have fully realized the wealth of sympathy, kindness and generosity hidden inside the soul of a human. The effort of every educator should be to unlock that treasure. At Dr. AITH, Engineers are made humans first, then engineers. The institution has been nurturing innovative minds and ideas since 1998.

Mantavya was framed to be a stage for talents seen-unseen in the institution, our thanks for all the support and guidance from our **Director, Prof. Rachna Asthana** due to which we were able to achieve the capability of publishing yet another edition of Mantavya, and we will work hard to maintain this continuity and consistency.

Support and Well wishes from our Prominent Faculty members, **Dr. Rajesh Kumar Gupta** (Dean Student Welfare), **Mr. Ashutosh Mishra** (CECA In-charge), **Mr. Gaurav Chandra** (Dean PDF), **Mr. Manish Singh Rajput** (Associate Dean IRCDC), **Mr. Om Hari** (Associate Dean Academics), **Mr. Srinath Dwivedi** (Literary Convener) was always available, and their guidance lead us to the second edition of Mantavya.

Important suggestions given by our literary Secretary **Tushar Sharma** and Co -Secretary **Ankit Awasthi** made things easier and more convenient to perform.

Next, we are thankful to all the team members and contributors who devoted their time, effort and content for the magazine.

So, finally, we present you the second edition of the college e-magazine of **Dr. Ambedkar Institute of Technology for Handicapped**, "Mantavya", we hope the reader will enjoy the ride ahead. Suggestions and ideas from the readers are most welcome.

Happy Reading.

Message from the Director's Desk

Prof. Rachna Asthana

मुझे यह जान कर अत्यंत प्रसन्नता की अनुभूति हो रही है कि डा. अम्बेडकर इंस्टिट्यूट ऑफ टेक्नोलॉजी फॉर हैण्डीकैप्ड के छात्रों द्वारा ई-पत्रिका **मंतव्य** के दूसरे संस्करण का प्रकाशन होने जा रहा है, एतदर्थ हार्दिक बधाई।

मौलिक चिंतन एवं रचनात्मक लेखन छात्रों के व्यक्तित्व के सर्वांगीण विकास का मूल आधार है एवं पत्रिका छात्रों कि प्रतिभा एवं कौशल कि अभिव्यक्ति का सशक्त माध्यम होती है, मुझे आशा है कि पत्रिका में शैक्षिक, साहित्यिक एवं सांस्कृतिक गतिविधियों का समावेश होगा, जिससे छात्रों की बौद्धिक प्रतिभा में अभिवृद्धि होगी तथा सृजनात्मक लेखन क्षमता का विकास होगा।

मुझे यह आशा ही नहीं पूर्ण विश्वास है कि छात्र ई -पत्रिका के प्रकाशन में संस्थान कि गरिमा एवं ख्याति का ध्यान रखेंगे, साथ ही साथ शिक्षा के समस्त आयामों का सफलता पूर्वक निर्वाहन करते रहेंगे। मैं इस ई-पत्रिका के सफल एवं सार्थक प्रकाशन हेतु अपनी हार्दिक शुभकामनाएं प्रेषित करती हूँ

Message from the

Desk of Dean Student Welfare

Dr. Rajesh Kumar Gupta

I feel great pleasure in handing the issue of our Institute's e-Magazine “MANTAVYA”. Over the years this institute has achieved continuous success in serving the cause of technical education. The institute presents a happy blend of traditional and modern technical education, where knowledge is imparted with practical exposure to the students so that they may occupy a better place in the modern competitive world by retaining the beauty of mind, intellect as well as soul.

I feel proud of this entire team of e-magazine who took responsibility of this important task. My best wishes to the entire team of “MANTAVYA” - the e-Magazine of A.I.T.H.

Message from the

Desk of Literary Convenor

Srinath Dwivedi

Attaining knowledge is a fulfilling and empowering task for not just oneself but also the society. The knowledge brings solidarity to one's personality through which one can contribute immensely to the society if the intent is tight. On the other hand, imparting knowledge is more noble and respectful. As a knowledge provider or an educator, you are not only required to gain and upgrade your knowledge but also build a temperament which facilitates this knowledge sharing. We value individualism and try to inculcate creativity, innovation and confidence besides rigorous scholastic programmes. The college students have marked their names in all spheres such as social work, art craft, music, drama, dance, variety of sports, environmental conservation activities and list goes on. The goal of the institute is to give our students the best possible opportunities for their growth. Whether the students is an introvert or extrovert the aim is to nurture the person into self motivated individual. Taking a step forward the literary council of Dr. AMBEDKAR INSTITUTE OF TECHNOLGY FOR HANDICAPPED is going to publish its second edition of e–Magazine entitled "MANTAVYA" - an expression of students and staff. Each issue of "MANTAVYA" is a milestone that marks our growth, unfolds our imagination and gives life to our thoughts and aspirations of creative skills ranging from writing to editing and even designing the e-Magazine. I congratulate the entire editorial team for their hard work and dedication in making the dream come true. I pray to almighty that he will make the work of e-magazine memorable and inspiring.

With best wishes to all!!!

Message from the

Desk of Asst. Dean Student Welfare

Dr. Anuj Srivastava

अत्यंत हर्ष का विषय है कि संस्थान की ई-पत्रिका **मंतव्य** का प्रकाशन होने जा रहा है। एतदर्थ हार्दिक बधाई। संस्थान पत्रिका के माध्यम से छात्रों की सृजनात्मक क्षमता एवं रचनाधर्मिता प्रतिबिम्बित होती है। मुझे आशा है कि पत्रिका में शैक्षणिक, साहित्यिक एवं सांस्कृतिक गतिविधियों से सम्बंधित ज्ञानवर्धक सामग्री का समावेश होगा। मैं इस पत्रिका के सफल एवं सार्थक प्रकाशन हेतु अपनी हार्दिक शुभकामनाएं प्रेषित करता हूँ।

Message from the

Literary Secretary

Tushar Sharma

Aim of education is overall development of Learners. Let education be a candle which burns and enlighten other's life. We the students of Dr. Ambedkar Institute of Technology For Handicapped family, are honoured to be a part of the institution where we have developed interpersonal skills through various curricular and co-curricular activities.

'**MANTAVYA**' proves, how the students have brushed up their lives with the support and care from the faculty, administration and every member of the institution.

The e-magazine includes every thin detail of all concerned activities which includes creative and informative part written by enthusiastic learners.

Working as a team member of MANTAVYA was an enriching experience. The opportunity has given me a chance to learn and understand partner students and team members. Enhancement in personality and attachment with all the staff members has grown more. For me it is not just an e-magazine but a priceless possession, words are not enough to express my feelings for what I have gained being a part of MANTAVYA.

At the end, I would like to show my gratitude to everybody for their contribution to make 'MANTAVYA' a success. Without your love and cooperation nothing was possible.

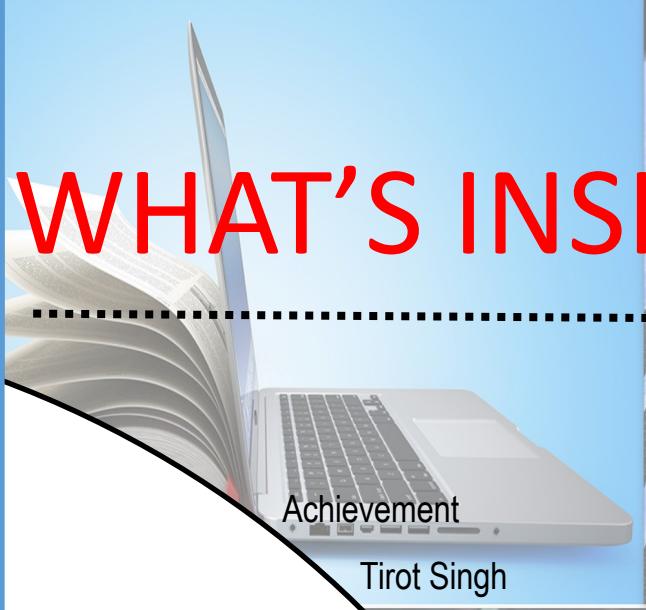
Some one has said

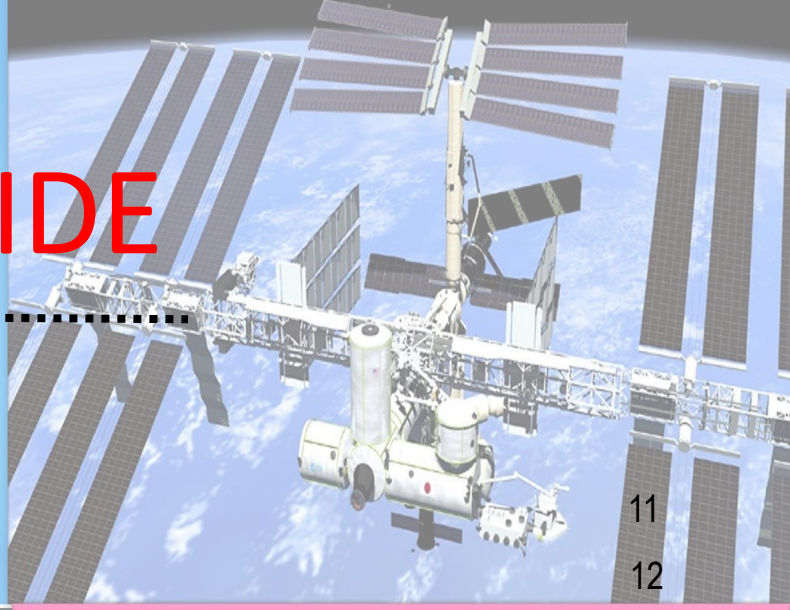
"THE HARDER YOU WORK FOR SOMETHING, THE GREATER YOU WILL FEEL WHEN YOU ACHIEVE IT"

I think our hard work has paid of, and we have achieved an unknown bond for life, which will remain with us forever .

Thank you lord and thank you all.

WHAT'S INSIDE





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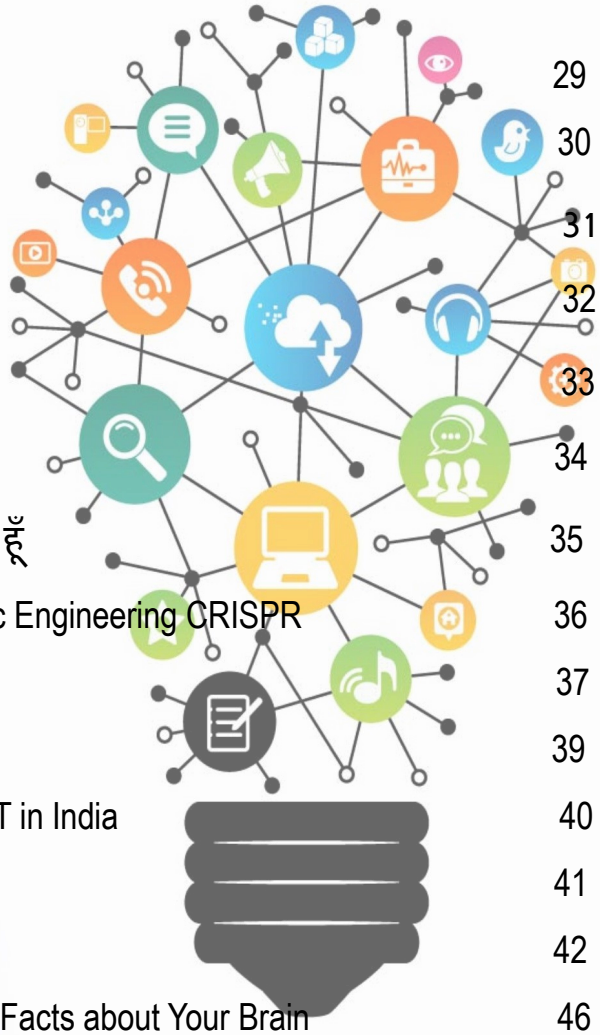
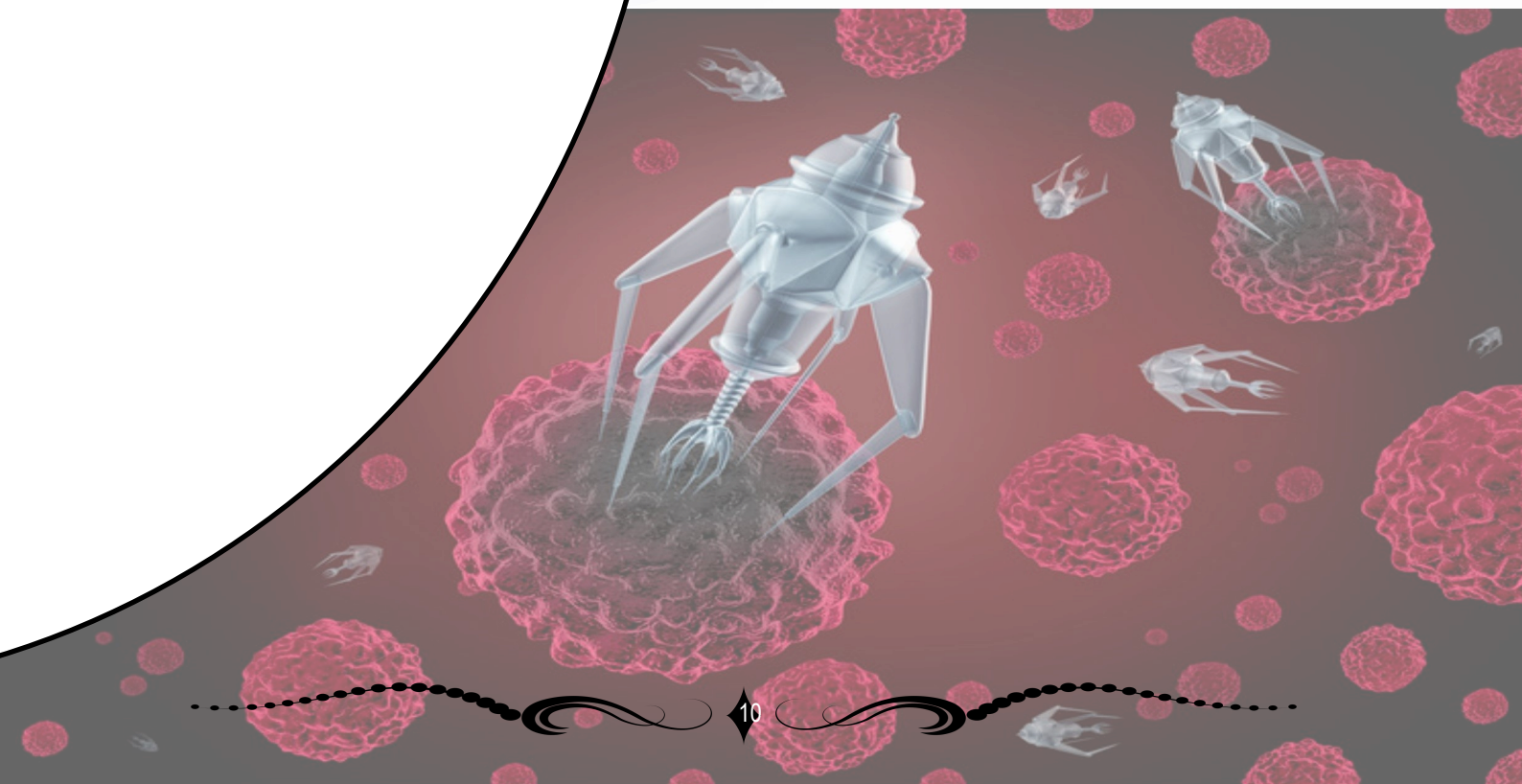




ACHIEVEMENT

Renera Homes

In this fast and busy world where people have very limited time, but they demand perfection, trust and accuracy. It may be one of the reasons why people prefer digitalization, so they can save their valuable time and succeed.

Rupesh Ranjan (EL - 3rd Year), a brilliant student of our college comes with this idea to make an app which will help people find a room or PG for rent at desirable place and cost. Rupesh Ranjan with his two HBTU friends namely Anjaney Basedia and Harsh Yadav made a website www.ReneraHomes.com.

They presented their idea in an Entrepreneurship Conclave organised by HBTU on 16th November 2018. In this event they didn't only get a chance to present their startup idea but also their idea stood runner up in prototype stage. Currently, they are trying to create Kanpur's first ever AI based online platform for room renting and matching best tenants to best preferred landlords. As a first step they would start from Kanpur and then expand to other Tier-2 cities like Lucknow, Agra, etc.

Joy of Happiness

A student of our institution Anant Vaish CSE branch First year had an unique idea that surprised & influenced everyone. In daily life, people buy a lot of clothes & some of them are like those who only wear them once or twice and keep them aside and never use them again. On the other Hand, there are people who do not have proper clothes to completely cover their body.

So on this issue, he thought and made a plan that why not he develop an application through which people who don't use their clothes daily, get them dry cleaned and make them available for use on rent.

Through this people would earn a little bit of money on daily basis and by that people who can't afford purchasing expensive clothes, can also wear these expensive clothes in reasonable prices.

That's why Anant named his concept "JOY OF HAPPINESS" and also gave a tagline "We Can, We Will, We Must".

At last, he wishes that through his idea, He can help the people in need.

Tirot Singh

After concluding the treaty of Yandabu in 1826, Britishers had the control over the Brahmaputra Valley. They had already occupied the Surma valley by becoming "Diwan" of Bengal in 1765. Now the Britishers wanted a strategic road to link up these two valleys under their occupation. The construction of this strategic road was possible only through the Khasi Hills. The Khasi Hills were also considered suitable for setting up sanatoria cantonment. The political agent of the British company, David Scott approached U Tirot Singh, the king of Khadsawphra Syiemship for construction of the road project through his kingdom. David Scott promised, U Tirot Singh that if the project was agreed upon, U Tirot Singh would be allowed complete control over Bordwar and that free trade would flourish along the proposed road.

U Tirot Singh conducted a session of Darbar in which, after debating for two days and two nights, consented to the proposal. Soon a British garrison with labourers, to construct the road was posted at Nongkhlaw. News came that the British army in Guwahati and Sylhet had been reinforced. U Tirot Singh sensed the ulterior motives of the Britishers, to ultimately grab the entire hill territory. Alarmed by the eventuality, U Tirot Singh served a notice to the Britishers to quit Nongkhlaw, but the Britishers did not pay any heed.

Tirot Singh resolved to drive out the British from the Khasi hills and on the 2nd of April 1829, hundreds of men attacked a British garrison. Most of the British soldiers were killed and thus started the Anglo – Khasi war. However, ill equipped and vastly outnumbered, Tirot Singh and his small Albeit Courageous Army could not endure the might of the all-powerful British army. Tirot Sing was finally captured by the Britishers and deported to Dhaka where he finally died on the 17th of July 1835.

Jhalkari Bai

According to history, Jhalkari was born on November 22, 1830, in the middle-class family of Sadoba Singh and Jamuna Devi of Bhojila village of Jhansi. Stories of her legendary bravery form a part of the folklore of the region. It is said that she once killed a tiger just with one axe and killed a leopard in the forest with just a stick that she used to herd cattle with.

Jhalkari Bai was married to Puran Singh, a soldier in the army of Queen Laxmibai's army and it was through her husband that she made the queen. It is said Jhalkari Bai bore an uncanny similarity with the queen and exhibited the same strong will and determination to her.

Soon, Jhalkari Bai rose in her ranks in the army and was soon in charge of her own unit. She also became one of Queen's most trusted advisor and was always seen with her.

Legends say that during the war of 1857, she took advantage of her similarity with the queen and took her place in the fight dressed in her garbs and helped the queen to run away to safety.

नेत्र सुरक्षा

आजीवन एवं मरणोपरांत

दिनांक 27/11/2018 को मंगलवार के दिन हमारे संस्थान में सक्षम संस्था द्वारा " नेत्र सुरक्षा - आजीवन एवं मरणोपरांत " विषय पर एक संगोष्ठी का आयोजन हुआ ।

उद्देश्य था लोगों के मन में नेत्रदान के प्रति जागरूकता फैलाना ।

इस संगोष्ठी की अध्यक्षता डीन स्टूडेंट वेलफेयर डॉ. राजेश कुमार गुप्ता जी ने की ।

इस कार्यक्रम में डॉ. शरद बाजपेयी और सक्षम के प्रान्त अध्यक्ष डॉ. जयशंकर पांडेय भी मौजूद रहे ।

डॉ. शालिनी मोहन ने सभी छात्रों को आँखों से जुड़ी विभिन्न प्रकार की समस्याओं और उनसे बचाव के तरीके बताए ।

साथ ही साथ उपस्थित सभी छात्र-छात्राओं ने नेत्रदान करने का संकल्प भी लिया ।

OpenUp : Finding Fluent Folks

Engineering professionals today need communication skills and proficiency in English language as much as they need knowledge of their area of specialization. Be it any field, CSE, IT, Electronics, Biotechnology or Chemical engineering.

Here at AITH, we came up with a solution to the problem of unfamiliarity with the methodology of communication and vocal contact in the tech industry.

OpenUp, a communication skills development program, shaped in the form of a competition, was initialized in the college and first season was organized successfully. It consisted of two rounds, first being the extempore round, in which the participants were given random topics to choose from and deliver a speech onto it, in English language.

It was performed to test the English speaking skills of the participants and to filter out 6 contestants for the next round which also was the final round.

The second round was the Mock Interview round, Where a real recruitment interview scenario was created, the interview panel consisted of highly qualified faculty members who had vast experience of holding recruitment interviews. So finally the mock interview round gave us our three winners. First Position was grabbed by the deserving candidate Anant Vaish from CSE 1st year, Saloni Tiwary From BT 1st year being the first runner up, and the second runner up position was held by Divyanshu Singh from IT 1st year.

The season one of OpenUp ended with great joy and excitement and the next season is arriving soon.

In Front, sitting, is Anant Vaish.

In middle row, standing From Left to right, Saloni Tiwary, Divyanshu Singh, Komal Gupta, Anurag Pandey.

Last Row, All The Judges and Jury Members

Alumni Meet: Remembering Those Good Old Days

The Annual Alumni Meet brings to our alumni a chance to reconnect with their Alma Mater.

It lets them relive the carefree days of their college lives as they get a chance to visit all the locations, they once frequented. Our college recently organized our First Annual Alumni Meet which was a fun and fascinating trip down the memory lane that gave our alumni an opportunity to see old friends again and catch up with them. The alumni got the chance to walk through the corridors and reminisce the impressions that they left.

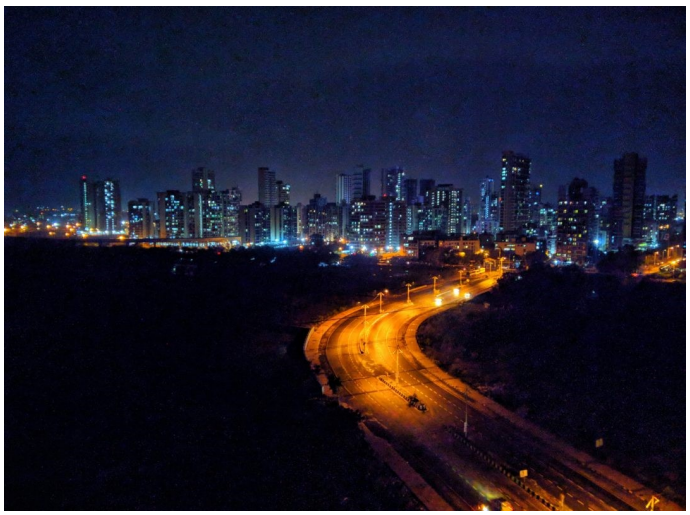
Smiles can cast the most powerful spell of love and happiness and when success is added to it become like icing on cake.

The event was stimulating and enjoyable and simultaneously profitable as all members shared their views ideate and good numbers of new ideas, information and insights came up.

AGENDA OF ALUMNI MEET

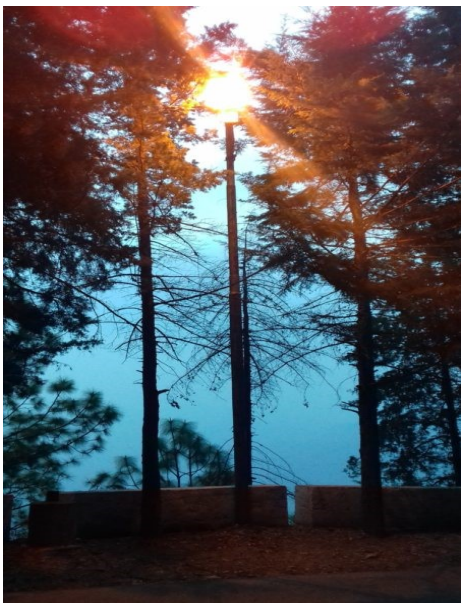
- Interaction with the Alumni.
- Taking alumni feedback over academic activities.
- To re-unite in the nest from where we grew and flew off.
- To conduct orientation and training programs for students on various topics to enhance their skills.
- To create awareness among students about the scope of their subject in the professional world.

Photography Contest



1st

Ritesh Sahani



2nd

Anjali Parcha

3rd

Ankit Sharma

Divyanshu Singh

Photography has long been a familiar and universal means of communication. But it is truly amazing how fast this culture of photography is expanding in this digital age with tremendous vitality and creativity.

Literary & Cultural Committee of our institute organized this photography contest for the students of Diploma and Degree wing from 2 Nov to 21 Nov 2018. The very purpose of this photography contest was to identify the students with good photography talent and provide them an opportunity to participate in intercollege events.

The competition started on 2 November 2018 in the college campus through a separate website especially developed for such college events.

While judging the competition the judges took into account the degree of compliance with the definition of creativity published for the competition as well as overall image composition and quality.

The contest is now over and the result of this contest was declared on 5 January 2019.

First position in the contest was grabbed by Ritesh Sahani (CSE 2nd Year), Second position by Anjali Parcha (BT 1st Year) and there was a tie for the third position between Ankit Sharma (BT 3rd Year) and Divyanshu Singh (IT 1st Year).

Communication Skills

Communication Skill is the way through which we express our views and feelings to others.

The quality of our spoken language and our ability to convince others through the power of our language are the main aspects of Communication Skills. These are not only limited to the language that we use. It covers a vast area, including both, the verbal and non-verbal communication. All aspects like our postures, gestures, expressions, personality, behavior and dressing style comes under our Communication Skills. Our each and every action speaks a lot about us. We can improve our Communication Skills by regularly observing ourselves and trying to improve our weak zones by knowing the ideal way of behaving and interacting with others.

Here are some ways that can be implemented to persuade people and make them agree to our thoughts…

We should have the ability to deliver our thoughts efficiently and speak something in a convincing manner with proper variation in the pitch of our voice.

We have to use proper language and key points about the topic to highlight the issue. It would help us to deliver multiple messages in short time.

We need to be properly and well dressed in order to make a good impression on others.

We have to use our postures, gestures, facial expressions, body language and hand movements in sync with our brain to express our thoughts and ideas.

Ayush Kumar

CSE 1st Year

IN FAILURE LIES NEW HOPES AND DESTINATION

We have great expectations and aspirations from our lives. Even if a person has a laid back attitude, friends and family constantly motivate him to achieve success. Sometimes these aspirations and expectations become cause of distress for us. One cannot always be the best or reach to the zenith of success.

Failure is the feeling that cannot be accepted easily. It strikes us with lot of negativity and a sense of inadequacy. There are cases and reports of suicide even by intelligent children. They give up not because of poor performance but just because of fear of not being good enough.

Not everyone can secure the first position, neither can everyone be a top scorer. It is not a battlefield where the Ultimate victory is to kill the opponent.

The children of present generation are reared as horses to run a race. They are made to believe, to be the first to be able to survive else they'll never be remembered. They are under continuous parental pressure to score high marks. Their parents also want to boast their marks to their friends and relatives.

Sadly, the children have lost all leisure time today. After hectic and long working hours, they are sent to coaching classes. The knowledge from books is not taken but children are burdened with encyclopedia and refreshers.

It's important for students and parents to realize that failure in one field does not render a person useless. It is the fear of failure that swerves a person. When we cannot achieve success in one area, it implies a need to explore our potential in other areas. Success and failure should not be measured by materialistic gains in our lives, rather it should be measure of human satisfaction because *In failure lies new hopes and destinations*

Saloni Tiwary
BT 1st Year

अभ्युदय

नव उदय की चेतना हर मन में होनी चाहिए ,

देशभक्ति देश सेवा, हर मन में होनी चाहिए|

आप में भी रामकृष्ण परमहंस दिखलाइए,

नव उदय की चेतना हर मन में होनी चाहिए ||

धैर्य, निष्ठा और लगन आदत में अब तो लाइए,

शौर्य गाथा लिखने को नव पथ पे पग बढ़ाइए,

नव उदय की चेतना हर मन में होनी चाहिए||

अज्ञानता की अंधता को सब मिल के अब मिटाइए ,

ज्ञान रूपी पुष्प से कण- कण को अब महकाइए,

नव उदय की चेतना हर मन में होनी चाहिए||

ईर्ष्या और द्वेष छोड़कर सबको गले लगाइए,

जो है मिला वो ही सही,नव पथ पर बढ़ते जाइए,

नव उदय की चेतना हर मन में होनी चाहिए||

Ujjwal Pandey

EL 2nd Year

WHAT IS ENTREPRENEURSHIP?

According to Wikipedia, the term entrepreneurship means the process of designing, launching and running a new business which is often initially a small one and people who own these businesses are called entrepreneurs.

But according to an observer point of view, entrepreneurs can change the way we live and work. They can improve the standard of living and wealth for everyone. Moreover, they also create jobs and may provide conditions for the existence of a prosperous society.

But, in our society, if anyone has said that he is interested in entrepreneurship, the very common queries are; "Whether you are a rich kid? Is your father capable to support you with enough money?"

All they need to clarify is, whether it is impossible without money? If yes, then how a boy from Patna, Bihar made it to the top 30 list of Forbes on global level and even Nobel peace center invited him to Noble peace prize ceremony. He is non other than Sharad Vivek Sagar, who has been named as Vivekananda of 21st century by the leading media house of India. He founded international social enterprise "Dexterity Global" just at an age of 16 years and currently through his organization, he is providing an educational platform to 12 lakhs students all over Asia.

He is a social entrepreneur.

Now, the question is; the place where he stands today, is achieved by his complete economic dependency on his father or is a fruit whose seeds were sown and watered by his own capacity and will.

No doubt, he is the creator of his own status.

Shubham Raj
IT 2nd Year

FOOTBALL LOVE

Football isn't just a game, It's a relationship between a person and the ball. You don't let it go with the other players except those who are in your team. It will not leave you until you leave it. If you truly love it then the power of your love will lead you towards your goal.

The ball represents your life! When you start the game, your life's transitions begin. The ball plays the main supporting role. If it leaves you then your life's success will be achieved by someone else. But don't loose hope. You can earn it back.

Your teammates are your friends and family who will help you in reaching your goal. They'll pass, they'll assist; they'll be with you all the time.

Your opponents are the obstacles that you'll have to face in life. They'll hinder you from reaching your goal. They'll try to snatch away your opportunities. But you have to fight and get back all your opportunities and finally you'll reach your aim. It's not just about you but rather about the bond between you and the football.

Even if you don't know how to kick it, just love it truly and it, itself will make you its master. It requires some respect so, you shouldn't play to impress. You shouldn't play for money or fame. These are what you will get in return when you invest your love in it.

I believe Football doesn't require perfection, it only requires your passion and hard work.

Gulshan Kumar Pal

EL 1st Year

मेरे लिए तुम कौन हो?

मंदिर की पाक आरती, मस्जिद की पवित्र अज़ान
सर्दी की धूप, गर्मी की बरसात
फुरसत की हंसी, मेरे हर मर्ज़ का इलाज
कैसे बताऊं मै तुम्हें मेरे लिए तुम कौन हो?

किसी छोटे बच्चे की निश्छल मुस्कान
भागवत गीता या क़ुरान
सूफ़ी की दुआ, साधू का ज्ञान
कैसे बताऊं मैं तुम्हें, मेरे लिए तुम कौन हो?

चाँद, ज़मीन, आसमान, आफ़ताब
एक ख़ूबसूरत ख्याल, एक नायाब किताब
गीत, संगीत, सरगम, राग
कैसे बताऊं मैं तुम्हें, मेरे लिए तुम कौन हो?

रौशनी, ताज़गी, बंदगी, ज़िन्दगी
थकान के बाद वो सुकून का एहसास
अरमान, इबादत, आदत, तकदीर
मेरे दिन का पहला और रात का आखिरी ख्याल
कैसे बताऊं मैं तुम्हें, मेरे लिए तुम कौन हो?

Vartika Kumari
BT 1st Year

A Poem for Mom

You are the sunlight of my day,
You are the moon I see far away.
You are the one I lean upon,
You are the one that makes troubles be gone.

You are the one who taught me life,
How not to fight, and do what is right.

You are the words inside my song,
You are my love, my life, my mom.

You are the one who cares for me,
You are the eyes that help me see.

You are the one who knows me best,
When it's time to have fun and when to rest.

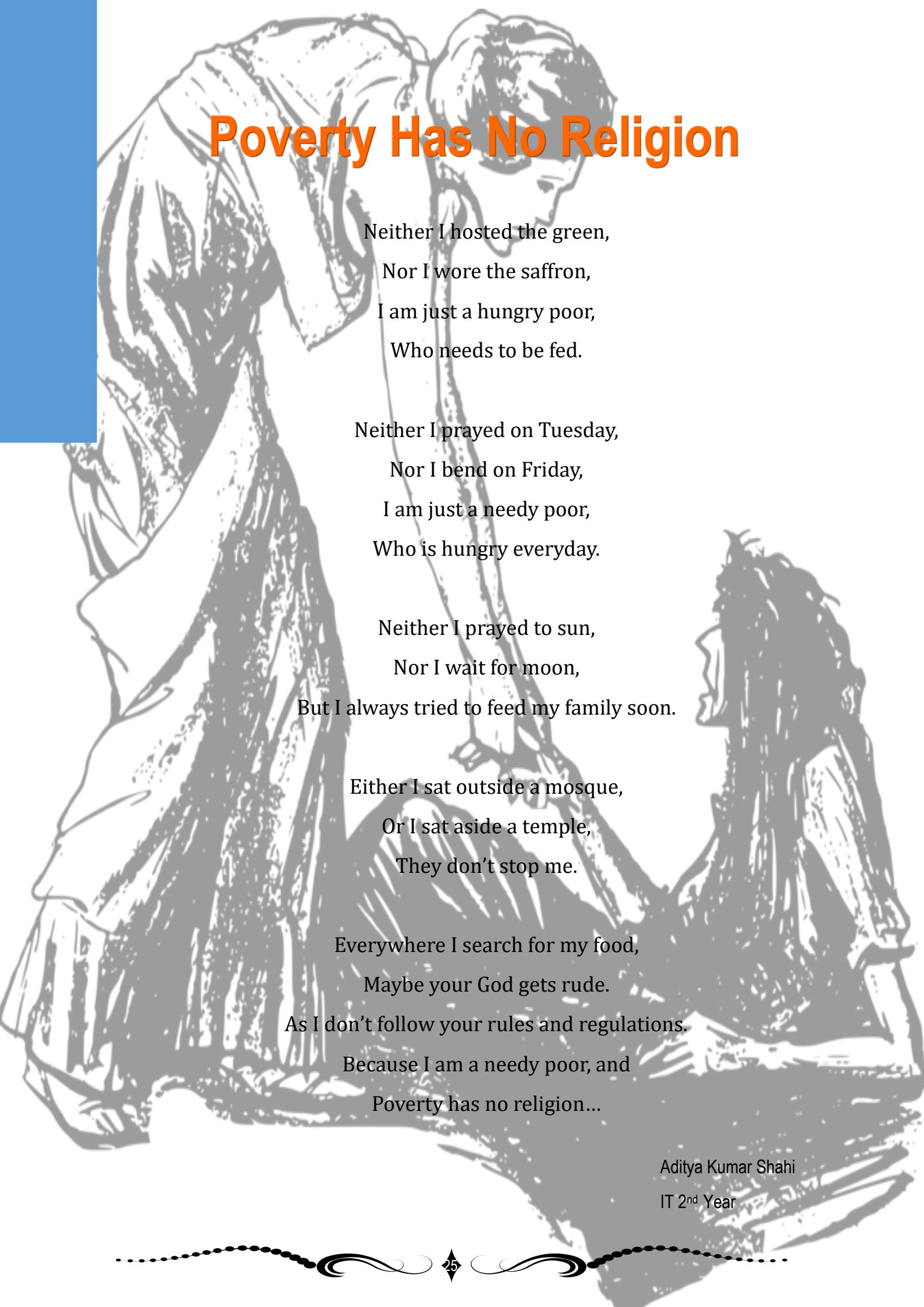
You are the one who has taught me to dream,
You hear my heart and you hear my scream.

Afraid of life but looking for love,
I am blessed for God who sent you from above.

You are my friend, my heart and my soul,
You are the greatest friend I know.

You are the words inside my song
You are my love, my life, my mom.

Ayushi Gupta
CH 2nd Year



Poverty Has No Religion

Neither I hosted the green,
Nor I wore the saffron,
I am just a hungry poor,
Who needs to be fed.

Neither I prayed on Tuesday,
Nor I bend on Friday,
I am just a needy poor,
Who is hungry everyday.

Neither I prayed to sun,
Nor I wait for moon,
But I always tried to feed my family soon.

Either I sat outside a mosque,
Or I sat aside a temple,
They don't stop me.

Everywhere I search for my food,
Maybe your God gets rude.
As I don't follow your rules and regulations.
Because I am a needy poor, and
Poverty has no religion...

Aditya Kumar Shahi
IT 2nd Year

शहीद की माँ

देश का सहारा बनते-बनते,

मेरा साथ तू छोड़ गया|

करके मुझको तन्हा,

मेरा बेटा मुझको तोड़ गया||

गर्वित तो मैं होती हूँ,

एक वीर पुत्र को जन्म दिया|

मायूस मेरी ममता होती है,

ये बूढी आँखें जब नम होती हैं||

जो कंधा माँ का सहारा बनता,

उस कंधे का मोल हुआ|

देकर मुआवजे का लालच,

माँ की ममता से खेल हुआ||

मेरी दुआ का असर कमज़ोर हुआ,

मेरा बेटा मुझसे दूर हुआ|

ये दर्द मैं कैसे सहन करूँ,

मैं कैसे तुझको अमर कहूँ,

मैं कैसे तुझको अमर कहूँ...

Aditi Pandey
BT 1st Year

"सूखते आँसू"

उन शहजादों के घर में अब ,क्या इतनी भी रोटी नहीं|
जो न रख सके माँ - बाप को , क्या किस्मत इनकी खोटी नहीं||
भूल गए क्या इतनी जल्दी , माँ का प्यार और बाप के कंधे|
दौलत का ये नशा चढ़ा , या जानबूझकर बन रहे अंधे||
मांग नहीं उनकी तुमसे कोई , बस मिलने की उम्मीद लगाए हैं|
आंखें नम हैं इंतज़ार में , बरसों से जो ललचाए हैं||
कैसा पत्थर दिल उनका , जो माँ - बाप को ओझल करते हैं|
कुल के दीपक बुझ गए, जिन्हें हम माँ की आंख का काजल कहते हैं||
जिन माँ - बाप ने बच्चों का बचपन , आंसुओं से सींचा है|
उन बेशर्मों ने उनको अब , घर से निकाल खींचा है||
उन बेचारों के तो अब , आंसू भी नहीं निकलते हैं|
देते हैं हर वक़्त दुआएं , और मोम की तरह जलते हैं||
सुख भले न दे पाओ तुम , पर न देना उन्हें कभी कोई गम|
भगवान को पूजो या न पूजो , पर माँ - बाप नहीं भगवान से कम||

Vikalp Shakya
CSE 3rd Year

ऐ पथिक तू रुक जा

ऐ पथिक तू रुक जा

ज़रा पलट एक बार तू ले ।

ये बिखरते पदचिन्ह

निहार इन्हें एक बार तू ले ॥

विश्वास अपाहिज डगमग चाल

विचार इसपे एक बार तू ले ।

चंचल मन पर शीतल बेड़िया

निजात इनसे एक बार तू ले ॥

क्या पायेगा युहीं चलकर

लक्ष्य अटूट एक बार तू ले ।

धरती-अंबर सब हैं सहयोगी

इनसे रिश्ता बना एक बार तू ले ॥

बोझिल मत कर इस दिल को

दिल पर हाथ फेर, मुस्कुरा एक बार तू ले ।

छोड़ मन की सारी व्यथा

खुल के साँस ज़रा एक बार तू ले ॥

ऐ पथिक तू रुक जा

ज़रा पलट एक बार तू ले ।

ये बिखरते पदचिन्ह

निहार इन्हें एक बार तू ले ॥

Akshita Singh

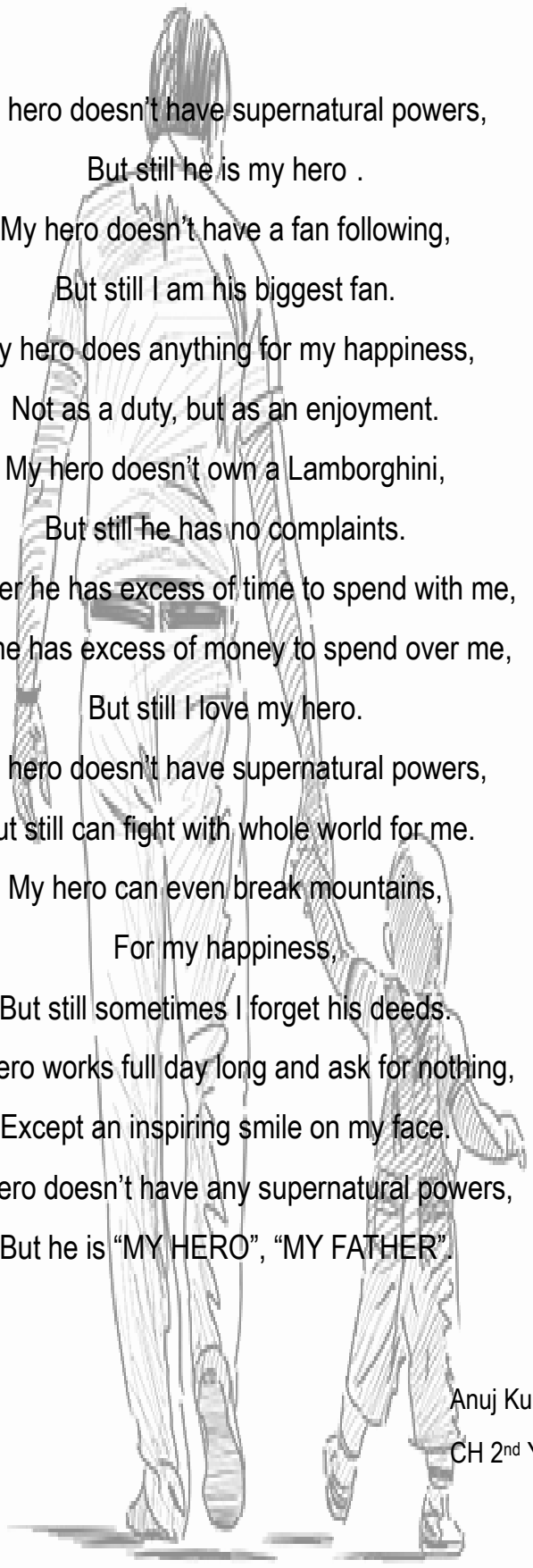
BT 1st Year

Disable or DIS-"ABLE"

Is it a life full of curse,
Or should I say something even worse.
Everyday is a new struggle,
To move forward towards a new hurdle.
They say we are the children of God,
But is it the only identity we have got!
My internal struggles that I undergo every day,
Keep me alive to overcome yet another day.
Disability is not in me,
It's in the eyes of those who see.
I am born and I should stay with this,
But to them, why am I a mistake?
I am happy after all I have,
My disabilities are insecure,
Of the endless abilities I am full of.
I count to every moment I live,
Filled with joy is my life indeed.
I might not run, or jump or play,
My thoughts may even seem far away.
And I know I am known as a handicapped!!
But as far as I have faith in me,
There are no obstacles ever stopping me.
Because I am much more than what you think.

Swati Kumari
BT 1st Year

MY FATHER



My hero doesn't have supernatural powers,
But still he is my hero .
My hero doesn't have a fan following,
But still I am his biggest fan.
My hero does anything for my happiness,
Not as a duty, but as an enjoyment.
My hero doesn't own a Lamborghini,
But still he has no complaints.
Neither he has excess of time to spend with me,
Nor he has excess of money to spend over me,
But still I love my hero.
My hero doesn't have supernatural powers,
But still can fight with whole world for me.
My hero can even break mountains,
For my happiness,
But still sometimes I forget his deeds.
My hero works full day long and ask for nothing,
Except an inspiring smile on my face.
My hero doesn't have any supernatural powers,
But he is "MY HERO", "MY FATHER".

Anuj Kumar Pandey
CH 2nd Year

किसका दोष ?

शौकीनों को गिरते-उठते देखा है माधुशालों में,

रूप सजा के फिरने वाले, घिरे पड़े सवालों में।

चादर की बात करने वाले, मुंह छिपाए रुमालों में,

पेट काट कर रहने वाला, जीता रहा निवालों में।

कैसे जिए आम आदमी, बच-बचकर इन चालों में,

धन दौलत में बांटे रिश्ते, फूट पड़ी घर वालों में।

नकली-असली में बदल रहे, जैसे रंग लगा हो बालों में,

उज्जवल कल और सुखद सा जीवन, बन रहे भ्रम ख़यालो में।

कल की भड़की आग आज फिर, ठंडी पड़ी मशालों में,

रो-रोकर आंसू गिनने वाला, क्यों गिरा पड़ा इन हालों में।

न्याय खातिर बरसों तक अबला, खड़ी रही चौपालों में,

गौ माता को जो पूजे थे, सब कट रहीं आज गौशालो में।

देश प्रेम का ढोंग रचाते, घूम रहे ननिहालों में,

प्रश्न चिन्ह सा लगा हुआ है, आ-आकर आज अकालों में।

Vikalp Shakya

CSE 3rd Year

LIVE A LIFE YOU LOVE

In this rustle free and busy life schedule, we forget our ultimate goal to stay happy. Instead, we are occupied by the path of fulfilment of our desires, which may or may not make us experience harmony.

Practically saying, we have thousands of reasons for a real smile. Most of the people will argue that having a life you love will make you happy, but I'll suggest happiness will help you to create a life you love.

Think about it.....

Happy You = Happy Surrounding = Happy Life, sounds so easy peas, right?

But I guess it isn't, otherwise most of us would have been happy and surely wouldn't have been reading this. Isn't it?

Staying happy is a constant effort.....notice I haven't said struggle, cause it is not. But we do have to stay conscious about it and continue to do what makes us happy.

I have my own ways to keep myself happy. I believe everyone have their own. I'm suggesting mine, if you wish you may follow it.

1. Live in today and feel depth of love, fun, joy and happiness.
2. Change your vision and it will help you to change the reality.
3. Empower yourself.
4. Honour your needs and feed your soul.
5. Find happiness within yourself rather than finding it outside

Shradha Shukla

BT 2nd Year

प्रकृति का आलिंगन

सर्द सवेरे में बहती ठंडी हवा के जैसे,
सुबह उगते सूरज की लाल लालिमा जैसे|
स्पर्श मुझे करती है सूरज की ये जगमग किरणे,
मचल उठा है ह्रदय ये मेरा एक लहर के जैसे||

हरी-हरी ये शाख-डालियाँ फैली चारो ओर,
मनमोहक वो दृश्य, वन में जब नाचे है मोर|

हल्की-हल्की धूप की किरणे जब मुझपर पड़ती है,
मेरे मन के एक कोने में नई दिशा गढ़ती है|
बारिश की कुछ बूँदे टिप-टिप जब पड़ती है मुझपर,
इंद्रधनुष सा खिल उठता है मन मेरा वो सुनकर||

गीली मिट्टी की खुशबु दिल को सुकून देती है,
इस वसुधा के रक्षण का मुझको जूनून देती है|

मीठी मिश्री सी बोली वाली एक कोयल है गाती,
सच बतलाऊं मन को मेरे वो बहुत है भाती|

हरी दूब पर जब दिखती है ठहरी ओस की बूँदे,
मन करता है खो जाऊं सपनों में आँखें मूँदे|

नील गगन के नीचे बैठा देख रहा मै दृश्य,
प्रकृति का आलिंगन पाकर मन हुआ पवित्र ॥

Ayush Kumar
CSE 1st Year

Self-acceptance
Our key to Success

We should be satisfied with what we are now in all aspects of life. We all want to imagine ourselves as we are looking through the lens of an ideal person, i.e., without any flaws or weaknesses, but in truth nobody is perfect, being human means that we make mistakes.

Self-acceptance comes from the acceptance of the things we like about ourselves and things we don't. We all make mistakes, do a few things wrong, and have things about us that we may not prefer but this is what makes us unique.

Self-acceptance also involves empathy for yourself. We often judge ourselves unsavourily and this creates a negative feeling about ourselves in our own mind/heart which results in us, feeling bad about ourselves.

Some people think that self-acceptance means just to accept what we are right now and not to change ourselves, but this is not true. In fact, self-acceptance is not only meant to accept what we are right now but also to strive hard to change things what we want to .

Self-acceptance also determines our level of happiness, so we must accept ourselves to develop this quality. First and foremost, we should listen to other people's opinions without having any objections. Next, we should always compliment ourselves for the work we have accomplished and finally we should never measure ourselves to people's expectations.

Abhishek Yadav

CH 2nd Year

तब मैं कलम उठाता हूँ

भावों का प्रवाह हो, या
विचारों का तूफ़ान हो
जज़्बातों की लहर हो, या
यादों का उफान हो
तब मैं कलम उठाता हूँ
दीपक जब पास हो, या
अँधेरे का ही साथ हो
ज्ञान की बरसात हो, या
जाहिलों का ही साथ हो
तब मैं कलम उठाता हूँ
प्रेम की कुछ बात हो, या
नासादगी भी साथ हो
तेरा इंतज़ार हो, या
वक्त भी न पास हो
तब मैं कलम उठाता हूँ
खून में उबाल हो, या
या शांति का ख़याल हो
रगों में इंकलाब हो, या
दुनिया ही क्यों न ख़िलाफ़ हो
तब मैं कलम उठाता हूँ
समस्याओं की कतार हो, या
दिलासाओं का संसार हो
शून्य का विस्तार हो, या
स्वप्न-कल्पनाओं में यथार्थ हो,
तब मैं कलम उठाता हूँ|

Abhinav Mishra
CSE 4th Year

Revolution in Genetic Engineering CRISPR

Only a few decades ago, it would have been hard to imagine that we would be able to communicate wirelessly, with almost negligible latency, across oceans, using a small hand-held device that would be tremendously more powerful than most computers back then. However, we now have mobile phones, which harness the internet and literally form the bedrock of human communication. We can say then, that what was science fiction back then is now a reality, and we don't even spare a thought! We have now achieved a similar milestone in Genetic Engineering, and what's more? We have recently acquired tools that are capable of altering our perception of what we call "Normal".

Humans have been performing genetic engineering, selecting seedless bananas from the wild, seeded ones, and domesticating wolves into shepherd dogs and even lap-dogs. However, we have only very recently realized how things work. When DNA was discovered, we tried to fool around with it, alter it, inject parts of DNA into different species, and engineer life-changing organisms in the process, increase shelf life of our harvests, and even produce medicines that were hard to extract! However, all of this was limited by finances, lack of technical information, and complexity of the procedure. This limitation has recently been countered with the advent of CRISPR.

CRISPR stands for **C**lustered, **R**egularly **I**nterspaced **S**hort **P**alindromic **R**epeats. It reduced the procedure dramatically, takes much less time, and not much technicality is involved, so anyone with a laboratory can perform the procedure.

What is CRISPR?

Some groups never, ever get along – like Bacteria & Viruses. Bacteria are most commonly infected by viruses called "Bacteriophages". More than 40% of oceanic bacteria fall prey to bacteriophage attack per day. Undergoing lytic and lysogenic cycles, bacteriophages generally end up killing the infected bacteria. In some cases, however, bacteria may survive, and in such cases, activating a miraculous defense mechanism which has been further elaborated.

A surviving bacterium may capture the virulent fragments of the viral genome, and incorporate them right in its own genome, interspersed alternately with short, repetitive "spacer" sequences. When a virus infection occurs again, an RNA copy is made, and is passed onto a protein complex called CAS9, which now diligently compares this RNA sequence to any and every bit of DNA in the bacterium, and when a perfect match is found, the DNA is simply chopped-up, and the infection is prevented. The CAS9 is very precise, but it is also highly programmable. So, if a copy of the DNA sequence, which is to be cropped, is given to the CAS9 complex, then CRISPR works exactly like a DNA – GPS, and crops the DNA desirably, with absolute fidelity and specificity. Moreover, this approach is highly advantageous due to the fact that it can be used to modify live cells!

The End of Diseases

As recently as 2015, the virulent genes of the HIV virus were cropped-out of infected human cells, proving the viability of CRISPR CAS9 complex as a treatment for AIDS. In 2016, scientists injected mice that were HIV infected, with dedicated CRISPR CAS9 complex, and the mice showed more than 50% reduction in the number of infected cells. Who knows, in the near future, we may a have a CRISPR therapy for HIV and other retroviral diseases.

In case of Cancer, we can boost our immune cells using CRISPR to identify tumors, making treatment at early stages possible. Again, an injection mediated CRISPR therapy for cancer is in the horizon. In 2016, the US Government approved CRISPR therapy for cancer patients. Following suit, the Chinese government also filed a petition the same year for the treatment of lung cancer using CRISPR modified immune cells.

Certain diseases that are genetic in nature, ranging from colour-Blindness to fatal ones like Hemophilia and Huntington's Chorea may also be cured using CRISPR CAS9 therapy, and in time, may be erased from the human gene pool.

Designer Babies

Tools and means to modify the human genome in the early embryonic stages do exist, but only in the primordial stages. In 2015 and 2016, the Chinese attempted twice to modify human embryos, and were partly successful in their second attempt. Genetically modified humans are not hard to imagine, and almost all genetic anomalies may be treated using Genetic Engineering. However, the changes that are going to occur in the individual genome, and in turn the future generations, can certainly not be ignored. These changes will slowly intermingle with the already present alleles, completely altering the entire human genome. This has many pros, like the eradication of almost all genetically inherited diseases, and the removal of undesirable alleles from the progeny. We can also engineer immunity against certain diseases like Alzheimer's. Even certain aspects like athletic build, good looks, even intelligence can be improved. Imagine babies that are going to grow up ever healthy, charming, and intelligent! However, we cannot ignore the fact that genetically improved humans would then become the normal stereotype, and "normal" humans might not feel normal anymore. There are many challenges that this technology is going to face, for example the ethical dispute that is bound to arise with the genetic alteration of unborn humans. Also, imagine what would happen (for argument's sake) if Kim Jong Un got his hands on this technology. The development of this technology still stands at a crossroads, but the solution is not barring further probing into this technology, but encouraging research guided by careful observation and educated restraint. As the wise men of old say….

"Wings of Wax may carry us far, but the Sun might shine if we soar high!"

Aditya Srivastava

BT 2nd Year

Nano technology

Fueling the chemical industry's future

Nanotechnology ("nanotech") is a manipulation of matter on an *atomic*, *molecular* and *supramolecular* scale. Nanotechnology as defined by size is naturally very broad , including fields of science as diverse as surface science , organic chemistry , molecular biology , semiconductor physics , energy storage , microfabrication , molecular engineering , etc. It may be able to create many new materials and devices with vast range of applications, such as *nanomedicine , nanoelectronics ,biomaterials* energy production and consumer products. It is engineering of functional systems at molecular state.

Two main approaches are used in nanotechnology. In "*bottom-up*" approach, materials and devices are built from molecular components which assemble themselves chemically by principles of *molecular recognition*. In "*top-down*" approach, Nano-objects are constructed from large entities without atomic- level control.

Commercialization of products based on advancements in nanoscale technologies began emerging. These products are limited to bulk applications of nanomaterials and do not involve atomic control of matter. Some examples include *Silver Nano Platform* for using silver *nanoparticles* as an antibacterial agent, nanoparticle- based sunscreens, *carbon fiber* strengthening using silica nanoparticles and carbon nanotubes for strain resistant textiles.

It has a prominent role in fast developing field of Tissue Engineering. Researchers have successfully used DNA origami- based nanobots capable of carrying out logic functions to achieve targeted drug delivery in cockroaches. Nanoscale materials such as nanopillars are sometimes used in solar cells which combats cost of traditional silicon solar cells. Bandages are being infused with silver nanoparticles to heal cuts faster. Cars are being manufactured with nanomaterials so they may need *fewer metals* and less *fuel* to operate in future. *Trousers* and *socks* have been infused with nanotechnology so that they will last longer and keep people cool in the summer. Further applications allow *tennis balls* to last longer *, golf balls* to fly straighter , and even *bowling balls* to become more durable and have a harder surface. Scientists are now turning to nanotechnology in an attempt to develop diesel engines with clearer exhaust fumes.

Ayushi Gupta

CH 2nd Year

FUCHSIA

A New Operating System

Google is working on a new project named "FUCHSIA", an operating system. The new operating system will be released by the year 2021. By 2023, Google is planning to completely withdraw support of its Android OS. FUCHSIA is a capability-based OS based on a new micro-kernel called "Zircon". Travis Geisel Brecht is the creator of this new micro-kernel called "Zircon" (formally known as Magenta). The current version of FUCHSIA is called "Armadillo" and it is developed in Google's Flutter SDR. Google has even added Apple's programming language - Swift. Most of the UI is in DARI (a language familiar to JavaScript and Java Engineers). The FUCHSIA completely re-imagines the home screen with its material UI, it is basically an early user interface with a card-based design which uses its own special renderer known as Escher. The apps launch in their own cards, you can also combine up to three apps in a single card to work in split-screen mode. The FUCHSIA also has a desktop-centric home screen code named Capybara which is designed to provide a complete desktop/ laptop like experience. The developers decided to expand the idea of Artificial Intelligence by introducing virtual or voice assistants into the new OS.

Vedant Sonker

IT 1st Year

The future of IOT in India

The Internet of things, commonly known as IOT, is an inter-connected network of objects that enable them to send, receive and exchange data without any human assistance. IOT is seen as the next great revolution in technology which has the potential to transform the way we live, the way we think, and the way we perform.

Now let's understand with the help of an example. We all know that the first example of an IoT devices is an ATM machine. Now, let's take some another example where the IoT can be of use. Imagine on a hot sunny day, you take a half day leave and start heading towards your home sweet home. You give a signal to your home's air conditioner to start cooling (if it is available on network), so that by the time you reach home, your room would be cool, pleasing and comfy. In other words, the Internet of things (IOT) is nothing, but a world where every object we use has an built-in sensor which allows the device to connect to the network so that it can receive and transmit information with ease.

Now, let's talk about the future of IOT in India. In the last two decades, India has evolved as a hub of information technology. When it comes to digitization or technology advancement, we have risen to the top. With IOT fast approaching, tech pundits predicted that IOT market could be of worth $1.7 trillion by 2020, with more than 50 billion devices connecting to the Internet of things by that period of time.

Even Gartner predicted that in 2017 there will be 8.4 billion connected devices to IOT worldwide, 31% more from the previous year. But, do you know from where will much of that growth come? The United States like always remains at the forefront in technological developments but some tech enthusiasts are saying that India will be a great place to look for IOT growth. Some of them are saying that India will become the biggest consumer of IOT devices in the next five years. However, there are some who dispute the claims but one thing is pretty clear that the future of IOT is bright in India and if you are planning to make a career in IOT, you can enroll yourself in an IOT academy to pursue your career in certified IOT expert, certified IOT professional or a full stack IOT expert.

Anant Vaish

CSE 1st Year

JOKES

हँसना मना है

1. पहला मित्र – तुम्हारे पिताजी क्या करते है ?
दूसरा मित्र –लोगो के सुख दुःख बाटते है |
पह्ला मित्र – क्या भगवन है ?
दूसरा मित्र –नहीं पोस्टमैन है |

2.दादी -(संता से) तुम बहुत शैतान हो |
संता –जी जरा धीरे बोलिये|
दादी -(गुस्से में) क्यों?
संता-कोई सुन लेगा तो आपको शैतान की दादी कहेगा |

3.अध्यापक –(शिष्य से)एक और एक को कैसे जोड़ा जाए की तीन हो जाए |
शिष्य- सर दोनों की शादी करवा दीजिये तीसरा अपने आप चला आयेगा |

4.लड़का –(अपने दोस्त से)यार तुम्हे पता है आज मैंने सपने में क्या देखा |
दोस्त –(लड़के से) क्या देखा |
लड़का- मेरे पक्षियों की तरह पंख उग आए है |
दोस्त – यार तब तो तुमने आसमान में काफी ऊँची उड़ान भरी होगी |
लड़का –नहीं यार वो पंख शुतुरमुर्ग के थे |

Mere Sapno Ki Rani Kab Aayegi Tu

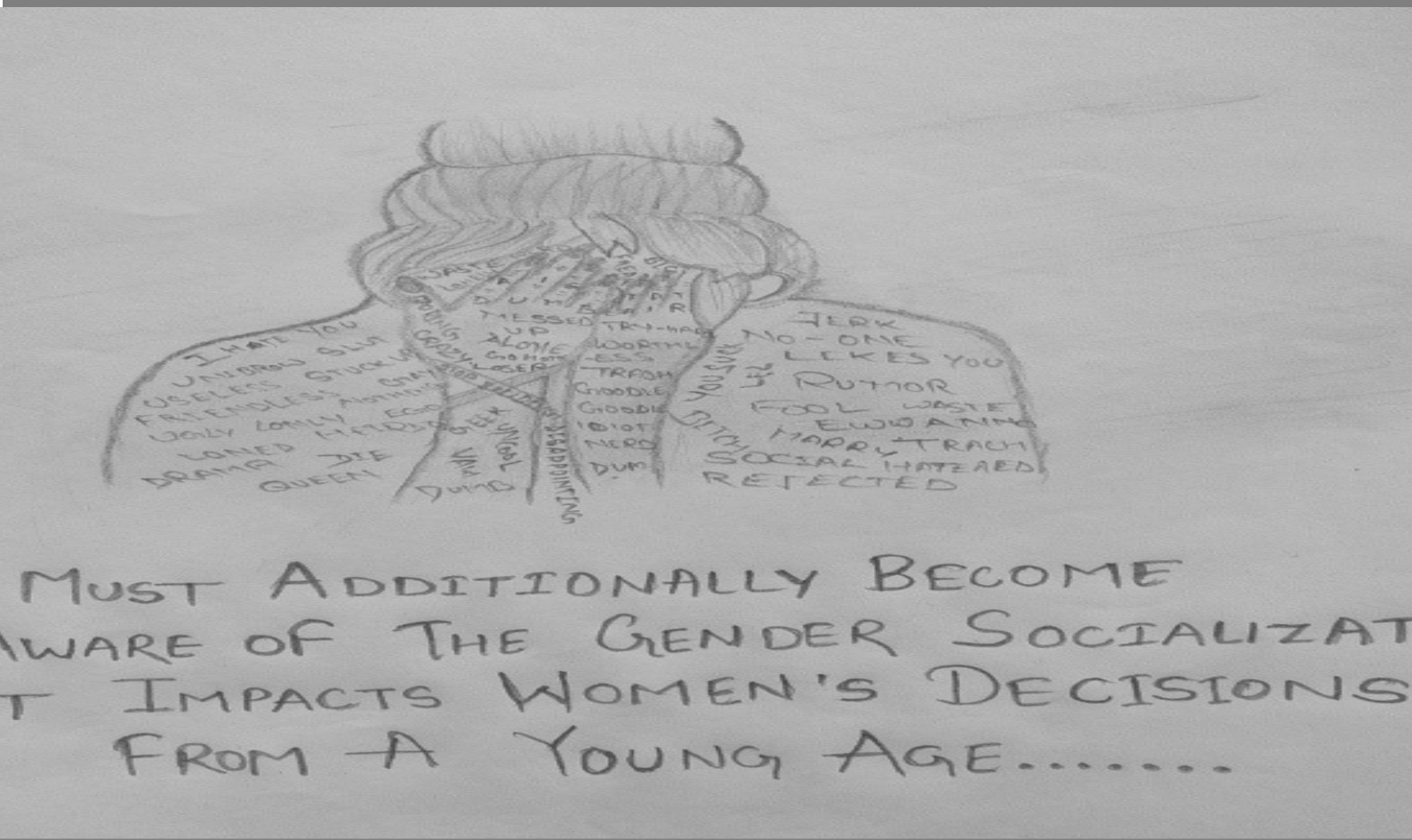
Main Likh Ke Deta Hun, Koi Nahi Aayega

Sketches

Anchal Singh

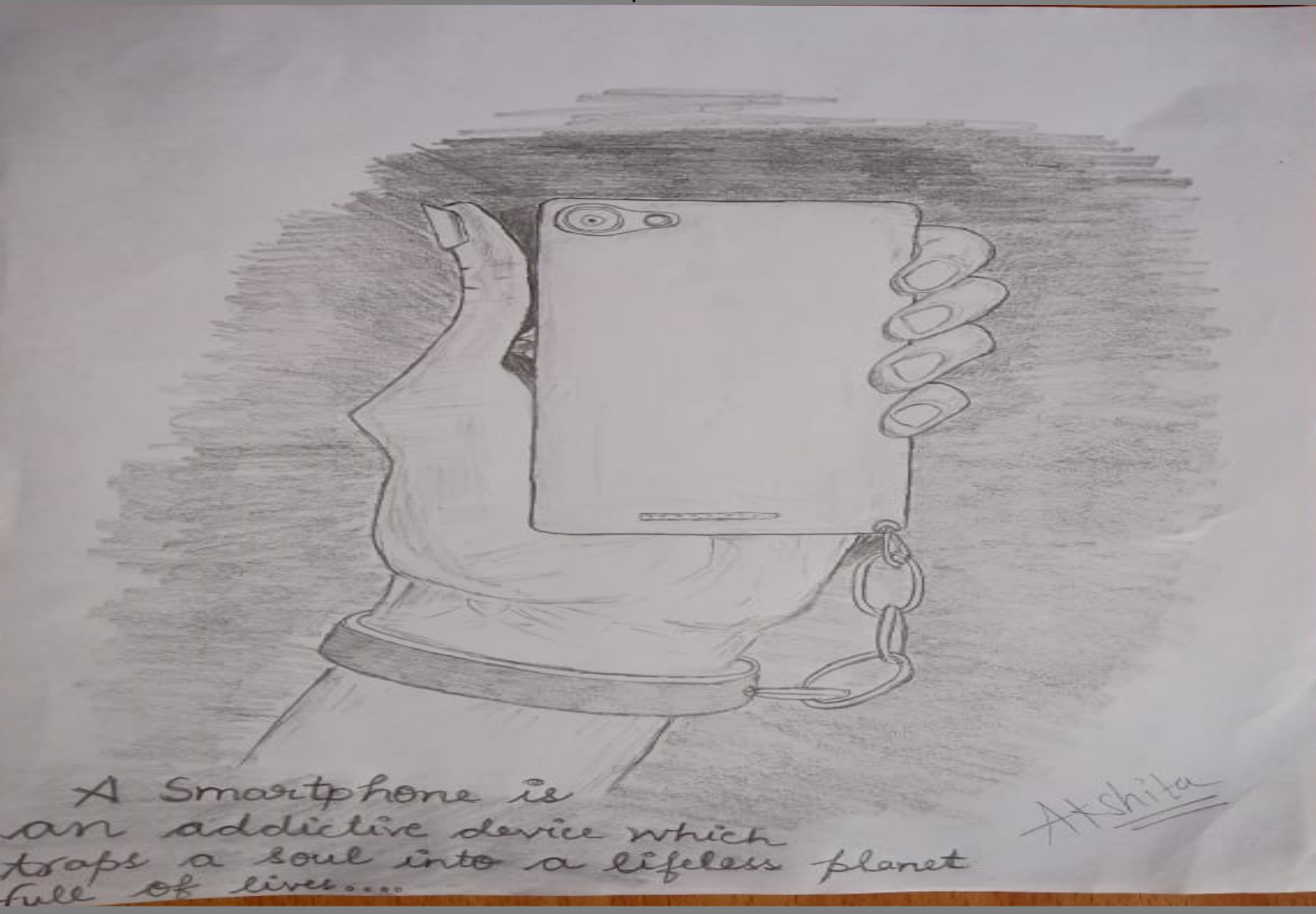
EL 3rd Year

Shivansh Dubey IT 3rd Year

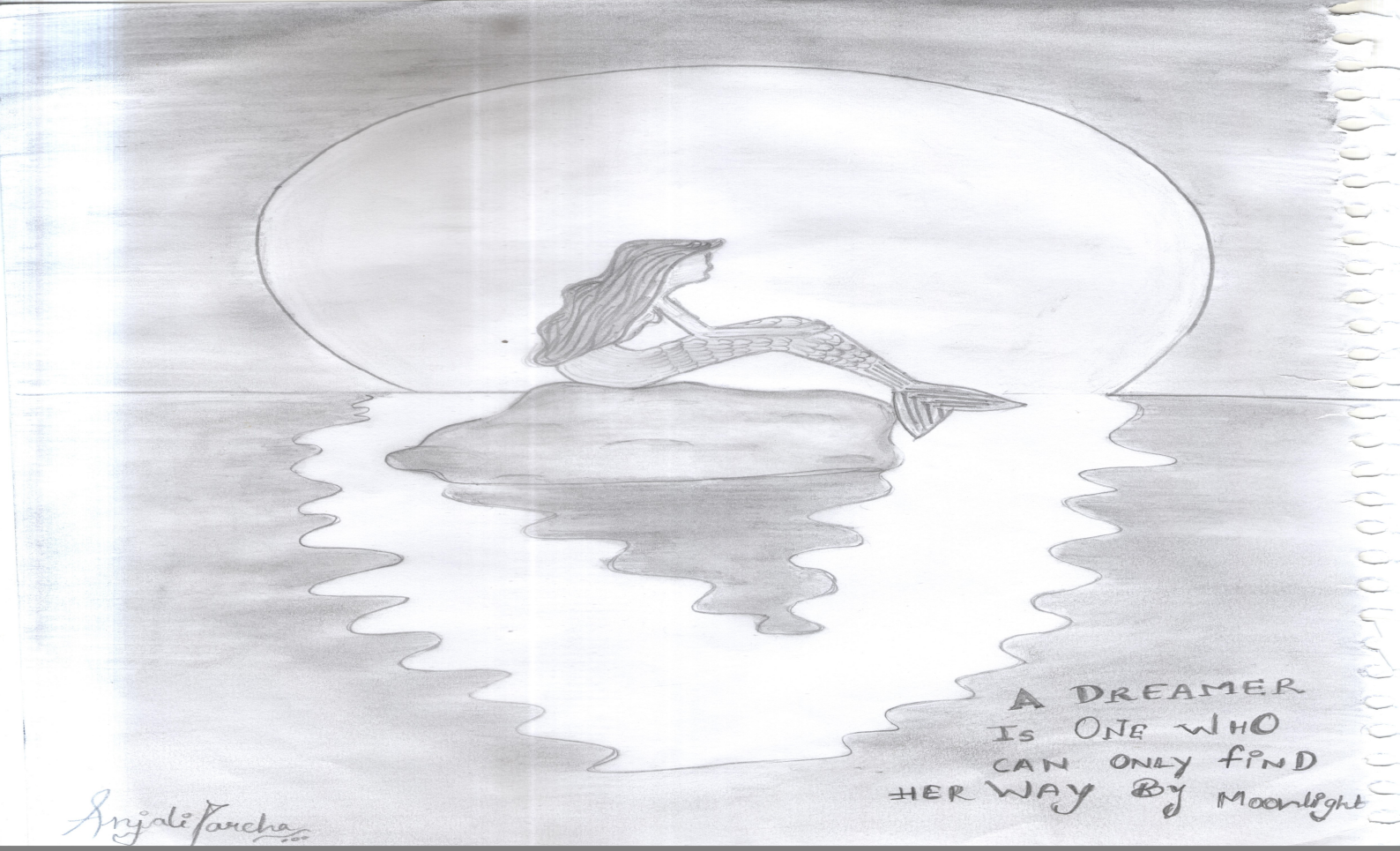


Kashish BT 1st Year

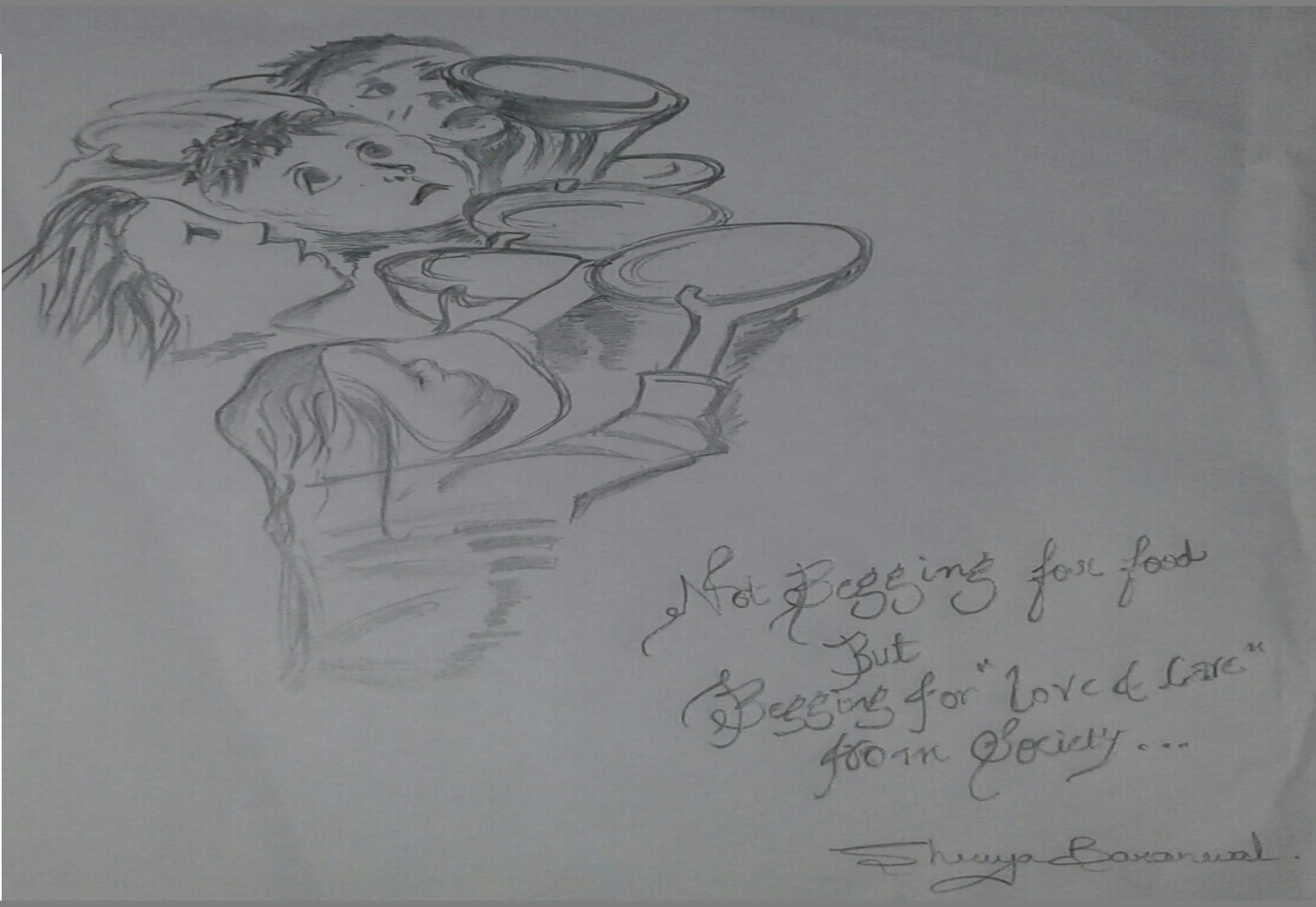
Komal Gupta BT 1st Year



Akshita Singh BT 1st Year



Anjali Parcha BT 1st Year



Shreya Baranwal BT 1st Year

Brainstorming Facts about Your Brain

1. The brain is the most complex organ of the human body.

2. A piece of brain tissue as big as grain of sand contains 100,000 neurons and 1 billion Synapses, all communicating with each other.

3. The brain needs a constant supply of oxygen, as little as 5 minutes without oxygen can cause some brain cells to die, leading to severe brain damage.

4. Brain information travels up to an impressive 268 miles per hour. This is faster than F1 race cars which top out at 240 mph.

5. Our brain generates about 12-25 watts of electricity this is enough to power low-wattage LED light.

6. For an individual the brain has been called a "random thought generator", the average brain is believed to generate up to 50,000 thoughts per day.

7. The modern diet is low in omega-3 essential fatty acids, low levels of omega-3 result in brain shrinkage equivalent to two years of structural brain aging.

8. Since the Victorian era, average IQ has gone down 1.6 points per decade for a total of 13.35 points.

9. The brain has a pattern of connectivity as unique as your fingerprintt.

10. The human brain is so sophisticated it takes nearly 20 years to mature.

11. In the womb, human grow 8,000 new brain cells every second.

12. Each brain cell will make, on average 10,000 connections with other brain cells.

13. Humans blink up to 20 times every minute. Each blink lasts around half a seconds.

14. Over 140 proteins in the brain are negatively impacted by exposure to electromagnetic frequencies.

15. Human brain tissues are not dense. It is very fragile, soft and squishy similar to the consistency of gelatin.

16. Brain waves are even more active while you are dreaming.

17. Almost half of a child's energy fuels his brain.

18. Exercise is just as good for your brain as it is for your body.

19. The brain has more cell types than any other tissues in our body.

20. The brain can synchronize waves of two musicians when performing together.

Vedant Sonker

IT 1st Year

Do You Know?

1. **The mesentery (new human organ):** The mesentery is actually an organ which connects our intestine to our inner abdominal wall and is responsible or coordinating our immune system to defend us from diseases.
2. **Time Crystals :**A new form of matter has been discovered, called TIME CRYSTALS. Unlike, regular crystals which have repeating pattern in space, a time crystal has repeating pattern in time.
3. The English word for red panda is 'FIREFOX 'which is where the browser gets its name from this means the Firefox logo is actually a red panda, not a fox!
4. The very first Apple logo featured sir ISAAC NEWTON sitting underneath a tree, with an apple about to hit his head.
5. The only letter that doesn't appear in the periodic table is the letter 'J'.
6. Hot water freezes faster than the cold water because of the effect called MPEMBA effect. This happens because the velocities of water particles have a specific disposition while they are hot that allows them to freeze more readily.
7. **Everyone's your relative :** Every human being has 99 percent of their DNA in common. A child and a parent share 99.5 percent of DNA in common. We also have 98 percent of our DNA in common with a chimpanzee.

Saumya Singh

IT 1st Year

The Team

In front row, from left to right : Adbhit Kumar, Shivendra Verma, Anant Vaish, Tushar Sharma, Shivansh Dubey.

In middle row, from left to right : Saumya Singh, Ambika Shakya, Akshita Singh, Komal Gupta, Priyanka Yadav, Devanjana Chandra, Saloni Tiwary, Mansi Gupta, Ansita Pandey.

In last row, from left to right : Abhishek Verma, Aditya Kumar Shahi, Anuj Kumar Pandey, Harsh Sharma, Vivek Chauhan, Aman Mishra, Divyanshu Singh, Ayush Kumar, Utkarsh Srivastava, Anurag Pandey.

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