



VESIT Connect

NEWSLETTER
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The Gate has Eyes

-Saummya Kulkarni and Arya Kasulla.

VESIT stands in all its glory on one rainy afternoon as the entrance is manned by our alert security team. Nothing can escape the scrutiny of this team. This team comprises of about thirteen security personnel, including a woman.

The team is attached to a security firm whose head office is located in Grant Road. They have two shifts of twelve hours each where there are 8 security personnel in the day shift and 6 at night. The day shift begins at 8 a.m. and ends at 8 p.m., when the next shift personnel take over. Together, they keep a strict vigilance on every person or vehicle entering or leaving the gates. These remarkable men and woman have been guarding the entrance of our college for years working extremely hard to keep our college safe in every way.

Their job might seem boring and monotonous, but in fact, they have a very interesting job. Right from strictly barring students from entering the college premise without an ID card, or raising their hand into a strict 'salam' for the Principal and other faculty, they are on their toes at all times. They also are witness to many memorable actions that happens in and around VESIT. Many a times, they have come across mobiles, wallets and even important papers dropped or forgotten by staff and students. They make sincere efforts to ensure that it is returned to the rightful owner. There have been many instances when honest auto-rickshaw drivers return mobiles and wallets left by staff and students in their vehicle. Our security traces the right owner and hand it over to them.



(L to R:)Mr Sahoo, Mr Choudhary and Mr. Ara

These group of watchmen have to keep a strict eye on the campus and the gates at a stretch for 12 hours a day. They do not even have weekends or other holidays off. They have to finish their daily chores of cooking, cleaning, washing etc. after they reach their residence after a twelve hour duty. If they fall sick, they lose a day's wage. Most of them, whose family lives in their home towns, take a month off without pay every year, so that they can visit their family. When asked they admit that they do miss their family, but having the students around, who are like their own children to them, fills their heart.

"The college students are like our own children." says Mr Sanjay Sahoo. "When we see them, we feel as though our own children are around us." Sanjay Sahoo has been attached to our college security team for almost three years. Mr Sahoo hails from Jharkhand. He is married and is a proud father of two. His elder son has followed his footsteps and leads the security firm at the Andheri Airport. He is immensely dedicated to his job and when asked if he feels like going home, he immediately asks, "If we go back who will take care of our children here? We worry about these children more, as we see them every day and have become very fond of them."

For all the VES boys and girls living in the hostel, the security people are the most helpful people. They might be strict in following the rules of restraining the students from entering the hostel late, but these watchmen also provide a strong helping hand when they need them. Mr. Ashish Upadhyay, the day shift watchman posted at the entrance of the hostel, is the person for the kids to turn to, in the hostel. The hostel students along with the security have their own Whatsapp group. He informs the students on the group if they receive any parcel so that it can be delivered to them on time. The students also inform the watchmen on a Whatsapp group if they have a problem. The security team knows all the electrician, plumber and the dhobis that come to the hostel and call them as and when needed by the children. Mr Upadhyay lives in a rented space near Chembur Naka, which he shares with his colleagues, so that he can save more money to send back home to his family who lives in his village.



Mr Kusvaha near the cars

Mr. Maniklal Kusvaha, who has been with us for almost four months, greets us just as we pass the Café Coffee Day in our campus. His main job is to assist people in parking their cars. He also ensures that students do not loiter in the gardens while their lectures are on. He sits in the lobby of the newly constructed Architecture building, as he continues to keep his vigil around. Mr Kusvaha's lives in Vashi with his wife and three children, two of whom are working and one studying in college. He says that wishes to continue working even though he can comfortably retire, now that his children are earning a comfortable income.

Exciting things do happen in our campus. Mr Kusvaha narrates of the time he saw a superstar from Bollywood, coming in his BMW to our campus for a movie shoot! He did not see the person inside the car at first, but helped the driver in parking it. Then, as the actor emerged from the car, Mr Kusvaha could not believe his eyes! He even witnessed the star performing stunts for a movie, from the top of the trees in the garden.

Mrs Sandhya Tiwari is the only female security in the team and a newcomer. She has been here for only about a month. Mrs Tiwari is from Diva and has two children. She is grateful to our college for enabling her to send her two kids to school and to cater to all her family needs.

This group is led by Mr Vinod Choudhary. He is the supervisor of this team. He keeps track of the shifts, timings and leave of the watchmen. He has been here for just a month but he has managed to make a place for himself in VES's security team. He is from Patna, Bihar and has a family to take care of in his village. He used to stay with his family in Mumbai but could not afford to keep them here for a long time.

Students are fond of this joyful group too. Says our security team, “The students call us ‘Sir’, ‘Chacha’ or ‘Uncle’ It feels so good to be addressed by these students.” The BE students have become so attached to our security that they even give a box of sweets to the watchmen when they get placed at campus placement. The team says that it is one of their proudest moments when kids from our college achieve great heights.

The team would like to give a message to the students - Even after knowing that they have to wear their ID card while entering the gate, the students still run away declaring that they have it in their pockets or in their bag. The watchmen are then forced to chase these students to see their identity card.

We know the watchmen by their patent dialogue “ID nikalo”, but the team is much more than that. These people work day and night to make sure that we are safe inside our institution.

VESIT Connect thanks the Security Team for its continuing efforts to maintain and ensure a safe and secure environment to all its staff and students.

VESIT Professors awarded a Ph.D.

-Akshara Sarfare

Hearliest congratulations to Dr. Shiv Kumar Goel, deputy HOD, Department of MCA and Dr. Manoj Sabnis, Department of Information Technology, VESIT on receiving their Ph.D. degree in June 2018 from Jayoti Vidyapeeth, Women’s University, Jaipur (Faculty of engineering and technology).

Dr. Shiv Kumar Goel completed his Ph.D. in Computer Science. The topic for his Ph.D. research was ‘Investigating e-penalty for managing and improving regional transport office using information and communication technology I.C.T. (an e-governance endeavour)’. He has published a total of 6 papers in international conferences, IEEE, ELSEVIER and SPRINGER. “With the extreme growth of information communication technology (I.C.T.) and computer sciences, an effective e-Governance must provide an efficient and systematic solution to penalize the offenders, who violate the traffic rules on road. The research work provided a solution for forcibly and automatically penalize the offenders by using RFID and camera based techniques with the help of SDC (State Data Centres), Intelligent Expert Penalty System (IEPS) and SWAN. This research work was a deep study of penalty systems in different countries and provided a global solution to the problem in India with the help of I.C.T tools and techniques. The National e-Governance Service Delivery Gateway (NSDG) under National e-Governance Plan (NeGP) played an important role in this research work.”



Dr. Shiv Kumar Goel

Dr. Manoj Sabnis completed his Ph.D. in Computer Science. The topic for his Ph.D. was ‘Shadow detector and elimination in static image’. He has published 3 papers in SPRINGER, two in IEEE, one in computer applications and two journals.



Dr. Manoj Sabnis

The pursuit of PhD is an enduring daring adventure. It made me poorer, without money, but richer in thoughts.

-Lailah Gifty Akita

VESIT Shines At HackM

--Shruti Bondre

The world of finance is drastically changing. The way financial service institutions interact with their customers has been immensely transformed. All the credit goes to “TECHNOLOGY”. Through HackM, the Government of Maharashtra seeks to explore the intersection of technology and finance and bring together students, developers and designers to develop innovative solutions for current problems and discover emerging technology adoptions in the areas of FinTech, GovTech and RegTech.

HackM was conducted at Trident Hotel, Nariman Point, Mumbai. It was a 30-hr Hackathon sponsored by Deloitte where the participants were supposed to be in a team consisting of minimum one and maximum five participants. The submission phase went from 10 May - 28 May 2018 and the 24 hour Hackathon kicked off on 2nd of June at 11:30 a.m. and ended on 3rd June, 2018 at 02:50 p.m.

Around 40 teams [team of 5] were shortlisted for the Hackathon based on the ideas submitted.

The motto of the event was to provide an environment where people could explore and prove technical excellence of their own. The prizes included cash prize of Rs.1,75,000/- , Rs.1,00,000/- and Rs.50,000/- for the winners and the runner-ups respectively.

The participants were supposed to select a theme from FinTech, GovTech, and RegTech which included problem statements for Alternative financing options for the village level entrepreneurs Digital Rural Insurance Inclusion, Cashless village solution, Centralized handheld information and advice tool for Farmers, Farming as a Service, Liquor tracking mechanism, Interlinking of campus placements in Higher Educational Institutes and Universities across Maharashtra, AIDS awareness solution, Women welfare and crime reporting solution, Online portal to map and predict spread of communicable diseases, State school infrastructure facility tracking and Distributed ledger technology (DLT) in government services.

Five teams from VESIT had participated in the Hackathon and two of them were amongst the winners. The 1st Runner-ups was a mixed team with 3 participants from VESIT-Vishal Israni(IT), Pankaj Ahuja (CMPN) and Kunal Jagasia(CMPN), Gagandeep Uppal(from KJ Somaiya) and Harsh Kukreja(form TSEC).

The 2nd Runner-ups were a team comprised purely of VESITians- Tarasha(CMPN), Ranjeet Monde, Purna Baliga, Piyush Mangtani(CMPN) and Prem Amal(CMPN). The Runner-ups won received the cheque of Rs.1,00,000/- and Rs.50,000/- respectively.

One of the Runner-ups, Mr. Vishal Israni shared with us some details about their theme in HackM: “Our problem statement was to provide a multipurpose multilingual one step solution to solve Farmer’s queries. The affection and the struggling stories we keep hearing about a Farmer’s life is what made us tilt a little for this theme. Our solution had certain unique features. We had implemented a ChatBot using which a farmer can directly ask queries like, “What is the proper season to grow bajra ? What is the cultivation procedure for this xyz crop?”

When asked about his experience, Mr. Israni said, “Hackathons have always been a learning event for me. HackM had an all new ambience for the event. Our team had members from different departments and different colleges. So



HackM 1st Runner up



HackM 2nd Runner up

we all got polished with how to adapt yourself to ensure sync in a team and prevent any compatibility issues. We certainly got to realize about our potential to work hard and dedicate all of it which made us win the competition. Moreover, we got to learn new technical things which we felt to be learnt and implement over there.”

Summer Internship at VESIT

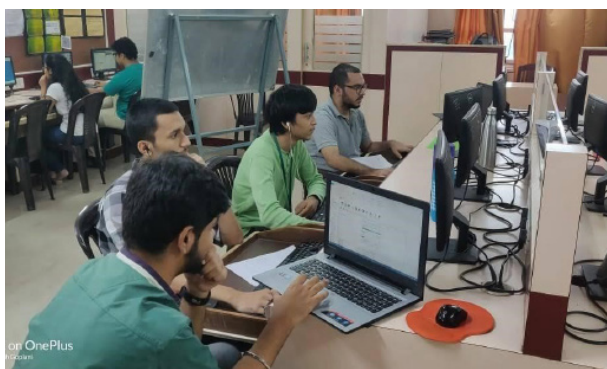
-Padmaja Borwankar & Tanvi Shinde

“An ounce of action is worth a ton of theory.” - Ralph Waldo Emerson

Implementing the knowledge learnt is as essential as learning itself. As said by Ralph Waldo Emerson, for students to get knowledge and also have hands on experience on several interesting projects and putting their knowledge to use, VRC or ‘Vesit Renaissance Cell’ organised a month long Summer Internship Program from 11 June to 10 July, 2018 in Lab 505. All the engineering students along with students of MCA were offered posts in various projects. 81 talented candidates applied for the same while only 24 made the cut.

These interns were categorized into groups as per their interests and underwent an orientation for two days to become familiar with the systems under the guidance of VESIT faculty. Prof. Amit Singh was the faculty in-charge for the internship. Mitesh Goplani, an intern from class D12B commented “Being a crucial part of a team that is building a product that would have a user base of approximately 3000 individuals on its launch is quite intimidating but Prof. Amit Singh was a wonderful guide, manager and mentor who made sure we interns are always motivated and ready to face new challenges.”

After a month long hustle of brainstorming and hard work on domains like Android, Laravel, PHP and Perl, the interns along with staff members achieved substantial results on projects like Library management system and VESIT Content Management System which comprises of various sub-projects like Centralized Attendance System and Personal Record Keeping System. By the end, the interns were contented and considered themselves lucky to be a part of this Summer Internship Program.



Interns working on projects



Interns working on projects

Celebrating The Spirit Of Spirituality

-Atique Kudchi

It was a Saturday, the 27th of September 2014, and the United Nations General Assembly’s 69th meeting was underway at the New York City headquarters. It was at this meeting, that our Prime Minister Mr. Narendra Modi proposed the idea of an International Yoga Day. Below is the extract from his speech where he proposed the idea:

“Yoga is an invaluable gift of India’s ancient tradition. It embodies unity of mind and body; thought and action; restraint and fulfillment; harmony between man and nature; a holistic approach to health and well-being. It is not about exercise but to discover the sense of oneness with yourself, the world and the nature. By changing our lifestyle and creating consciousness, it can help in well being. Let us work towards adopting an International Yoga Day.”

The word “Yoga” is derived from the Sanskrit term, “Yuj”, which means to attach, to yoke, to align, to join, etc. It signifies the fusion of the soul with the Divine Creator. Yoga is basically a lifestyle which promotes good mental, physical and spiritual health. Following the disciplines of Yoga promotes vitality and immunity.

The origins of Yoga date back to Pre-Vedic India, although the proper development, implementation and propagation began in the 5th Century BC. According to ancient texts like the Upanishads, Gita, Patanjali Yoga Sutras, etc. Yoga is a spiritual state of mind where the senses are all muted and the body and mind experiences nothing whatsoever. This state is also called “Nirvana”. The physical aspects of Yoga involve various exercises which each simulate a certain part of the body and the mind, including breathing exercises for the lung and stomach. Yoga even indicates the type of diet, medicines, etc that a follower of Yoga should follow to achieve healthy living. The ultimate goal of the Yoga lifestyle is to achieve Moksha, i.e Salvation.

Yoga has been scientifically proven to improve mental and physical fitness, stamina, flexibility and a stress-free psyche. Due to this, Westernisation of Yoga has taken place, with more and more people signing up for it, and impromptu events being held with considerable turnout. It has gained more of a physical context than spiritual in most of the world. People are practicing Yoga as an alternative to the gym and thus making it a part of their lives.. It even helps cope with premenstrual syndrome. Children and teens are recommended Yoga alike adults to cope with increasing stress levels and emotional imbalances. Infact, a school district in California even obtained legal permission to introduce Yoga into their PE curriculum, going against certain parents who claimed that it was a religious practice. It is for all these reasons that the proposal for an International Yoga Day was received with much acclaim when introduced. On 11th December 2014, India’s permanent representative Asoke Mukherji introduced the draft resolution in UNGA. It received support from 177 member states who co-sponsored it, making it the UNGA resolution of that nature with the highest ever sponsors. 21 June was also chosen because it was the longest day of the year in the northern hemisphere. Every year, massive celebrations take place in India and abroad, with more awareness being spread about it and making it a reason to talk about mental and physical health and their importance. Many of our leaders, spiritual gurus and celebrities recognize and celebrate this day as a mark of the impact of rich Indian culture onto the rest of the world.

On 21st June, Ms Piya Mukherjee, the Director of VESLARC (Vivekanand Education Society’s Leadership Academy and Research Centre) which is a forum of around 20 teachers of VES institutes headed the yoga session for VES Institutes. The students and staff of Vivekanand Education Society’s Institute of Technology celebrated International Yoga Day under the guidance of Dr. P. P. Vaidya, HOD, R&D Cell, VESIT. Mrs. Janhavi Padiyar initiated the introductory session by welcoming all as per the protocol established by the government. She initiated the event with a powerful prayer filling the minds of all with gratitude. It was in this receptive state that the participants made a Sankalp :

“I commit, to make myself into a healthy, peaceful, joyful and loving human being. Through every action of mine, I will strive to create a peaceful and loving atmosphere around me. I strive to break the limitations of who I am right now and include the entire world as my own. I recognize the kinship of my own life with every other life. I recognize the unity of all there is.”

Around 110 students from all the streams of V.E.S. Institute of Technology were part of this event. The event was then concluded with Shanti path, followed by smiling and peaceful faces, thus making the event a huge success.



Dr. P.P Vaidya describing the asanas

ATS Microsoft Certification Workshop

-Akshara Sarfare

ATS Learning Solutions – Certifications services had conducted two workshops on Internet of things and Cyber and Mobile security for our students in the college. The ATS Microsoft Certification workshop was held for VESIT students in two batches: The first batch was for students from Department of Electronics and Telecommunication (EXTC), Department of Instrumentation and Department of Electronics on the topic 'Internet of Things (IoT)'. The second batch was for the students from Department of Computer Engineering and Department of Information Technology on the topic 'Cyber and Mobile Security'. The workshops were conducted from 29 – 31 March 2018 for the third year students and 12 - 14 June 2018 for the second year students. The topics covered in the IoT workshop included HTML coding, Raspberry Pi setup, Python coding, Sensor Coding and applications and Internet Security. Said Anahita Goswami from D14A, "I had a great experience at this workshop. It helped me understand IoT in the best way possible and the online tests conducted by ATS were also beneficial."

Tejashree Patil (D15), who has attended the Cyber and mobile security workshop said "They taught us how to protect the system from hackers and also illustrated a few basic techniques to protect the system better. They also explained how the attacker can track our actions."

Swachh Bharat Summer Internship

-Aadi Fernandes

Swachh Bharat Abhiyan is the movement launched by our respected Prime Minister Narendra Modi on the 2nd of October in the year 2014 on the historic 145th birth anniversary of our very own Mahatma Gandhi.

The campaign is aimed towards the clean up of streets and infrastructure of not only the urban but also the rural areas of India. It also largely focuses on preventing open defecation especially in the rural areas, by building toilets.

The Moto of the campaign is "One step towards cleanliness". This movement has seen active participation since its inception in 2014 and has made a huge contribution towards sanitation in India. Volunteers are always required for any campaign to be successful. We got the golden opportunity to be a part of it. The biggest internship this summer was not a desk job, but it was a job which required utmost dedication on the field and gave an internal sense of satisfaction to the people who were part of it.

The Swachh Bharat Summer Internship programme was launched by the Ministry of Human Resource Development alongside the Ministry of Drinking Water and Sanitation. The message was circulated to all Universities and Higher Education Institutions. It involved doing 100 hours of social work by contributing towards village sanitation. This campaign not only gave people certificates, curriculum credits and awards, but it also gave them a sneak peak into the lives of other people who were not as fortunate as they were. They lead a rough life without basic amenities like toilets. It made us realize how we take everything for granted and have things available at the snap of our fingers.

We all keep complaining about India being so dirty and people defecating openly. Here is your chance to go and fix this. If you cannot change things then you have to be the change. Moreover, this campaign gave people a sense of satisfaction beyond anything else, the satisfaction of making a difference.



Poster of Swachh Bharat Internship

VESIT Voice

-Gayatri Belapurkar

The month of June came with the flurry of long awaited vacations. With the end of the seemingly never-ending and tiring exam season, it's finally time for all the engineering brains to relax and rejuvenate. But that is barely a reason for the ambitious ones at VESIT to apply a break to learning, right? The students of Third Year Computer and Information Technology departments bagged accolades in a Hackathon conducted by the Government of Maharashtra. Two teachers, Prof. Manoj Sabnis and Prof. Shiv Kumar Goel, received their Ph.Ds in June, inspiring the students to never stop learning. The VESIT Renaissance Cell kept up with the spirit and gave internship opportunities to the students. Students also attended workshops conducted by ATS for Microsoft Certification. The time was also favourable for the students to participate in Swachh Bharat Internship programme held by the Government of India. ISA VESIT did its part by conducting a Raspberry Pi and Python workshop for its members. While we all thrive for knowledge, health is something we tend to sideline. Yoga Day was celebrated in VESIT, reminding us that after all, 'Health is Wealth'. June also witnessed the citizens of the world celebrating the spirit of fatherhood, parental bonds and honoring fathers. The World Environment Day upheld and reinforced the motive of saving our home planet from the atrocities we are committing against it. In our busy hustling lives, we often forget to thank those who ensure our safety and security. This issue gives an insight into the lives of our security guards who zealously ensure our protection day and night! In the VESIT diaries section of this month, we have Mr. Prasad Gawde and Miss Deepika Singh, who are performing exceedingly well in their fields. Do make sure to check it out.

Happy reading!

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Hard work without talent is a shame, but talent without hard work is a tragedy.

-Robert Half

SOCIETIES

ISA Raspberry Pi And Python Workshop

-Lewin Noronha

The ISA society of Vivekanand Education Society's Institute of Technology conducted a workshop on Raspberry Pi and Python during the summer break of the students. It started on the 14th of June and went on for six days packed with loads of learning and hands on experience of Python. It was conducted from 9am to 2pm. It was attended by 19 students of various departments and years by paying a sum of 1000 rupees.

On the first day the participants learnt the basics of Python. The next day they were briefed with further complexities of the language which included python libraries used for game developing. A number of games were developed including snake mario, etc.

Third day witnessed the basics of Raspberry Pi followed by study of sensors. On the fifth day the students learnt the use and applications of these sensors which included basics of IoT.

The students enjoyed the final day as they got an opportunity to apply all the knowledge and the ideas that they grasped on the previous five days.

This workshop was conducted by two 4th year Instrumentation students namely Mihir Lele and Souvik Saha.

It was headed by faculty member Mr. Gopal Krishnan of the Instrumentation Department itself. Mayuresh Shelar one of the attendees stated, "This workshop was indeed a success and it helped me to plan and execute my project much in time based on RFID technology using knowledge grasped in the workshop."

He also stated that he is eager to attend such workshops ahead and also urges fellow Vesitians to patronize the same.



Raspberry Pi



Raspberry Pi



Students at ISA Workshop

Father's Day

-Sreevidya Iyer

"His heritage to his children wasn't words or possessions, but an unspoken treasure, the treasure of his example as a man and a father."

-Will Rogers, Jr

A father is any child's first role model. We take in our father's mannerisms, qualities and moral inclinations and emulate them in our own way. Fathers usually don't speak much, but they convey a lot through their actions. It is considered a father's prerogative to correct a child when they step out of line. The earliest memories of my father are, me holding his little finger with my tiny hand while I walked alongside him to the park. While my mother instilled in me, an awareness of my own self, I saw the world through my father's eyes. Every father endeavours to impart the wisdom of life to their child, for they understand early on, that their young ones will eventually leave their nest and build one of their own.

Forgive the cliché, but it goes without saying that a single day is not enough to honour our lifelong loving and caring supporters, our fathers. However, it is undoubtedly sweet to have a reminder once in a while of their importance in our lives. So every year, Father's Day is commemorated on the third Sunday of June. The emergence of this Day was from a girl's bittersweet ode to her civil war veteran father's memory; a father who had raised her and her five brothers as a single parent. Incidentally, many traditions have evolved over the years in various countries inspired by the holiday, first recognised in the United States of America. From the German tradition of men dressing in odd ensembles and dragging refreshments to the woods, to the Brazilian tradition of a celebratory family dinner in a steakhouse, Father's Day is not only a sweet holiday, but a popular one too. In Sweden, Father's Day is celebrated in November with fathers being pampered with the traditional breakfast in bed, gifts and cake.

Back home in India, Father's Day though being a relatively new concept, is nevertheless celebrated with a lot of fervour and merriment. Children enjoy a variety of indoor and outdoor activities or catch a movie with their fathers. This holiday has also influenced popular culture in many ways, the evidences being from the small references in movies to even sitcoms and documentaries inspired by it.

Fathers are a family's rock. While everyone in the house is allowed moments of weakness or a show of vulnerability, fathers have to stubbornly hold on to their strong image and never let it crumble. In the process, harsh words are spoken and relationships, frayed. Each of us has at least had some disagreements with our fathers, a few of which unfortunately could never be resolved. But in the heart of hearts, we know that it is pride which is responsible for the distance between our hearts and not the lack of love.

Over the years, the dynamics of every relationship changes, some for better and some for worse. I may not need to hold my father's hand anymore, but I know the hand will always be there, waiting to protect me if I were to stumble.

Brown Trunks and Green Thumbs

-Pranav Phale

World environment day is an annual worldwide campaign on 5th of June established by the United Nation to bring some positive environmental changes all over the world to make life better and more natural. Environmental issues are big issues now-a-days to which everyone must be aware and give their positive efforts to solve such issues. Youths of any country in the form of students are big hope to bring some positive changes in the environment full of pollution, global warming, etc. Students generally get this topic in the school to write paragraph, essay, article, narrate speech, or topic of debate, etc.

It is a day to especially focus on the current environmental conditions to make environment better. It is celebrated by the people in more than 100 countries. It is the day when public and politicians get stimulated through awareness programs regarding environment to enhance the political attention as well as public actions. This day was created to promote people to work for environmental issues and become active agents of the sustainable and eco-friendly development worldwide. It is individually celebrated by the countries in their states, cities, hometowns, schools, colleges, public places, etc with parades, cleanup activities, concerts, recycling initiatives, tree plantation, including all kinds of green actions to motivate and inspire people towards the bad condition of this beautiful planet.

The main objectives of this campaign are encouraged among public by the media and celebrities through endorsing and participating in its celebration. The goodwill ambassadors from United Nations Environment Programme send messages worldwide to take actions for World Environment Day. This campaign makes a call to the people to join its celebration event in mass number to get aware of the real environment conditions and be an agent of the effective programs against environmental issues to combat with the climate changes. We should involve in the celebration and take pledge to save our environment for better future.

MUSINGS & EXPRESSIONS

Future Innovation

-Pranav Phale

With the release of IPHONE X having mind boggling features, a completely new world of creativity, competition and innovation has opened. Future innovation is one of those topics having no limits of discussion.

Firstly, the HYPERLOOP Project planned by the TESLA and SPACEX founder, Elon Musk would see passengers travel 760 miles per hour (nearly speed of jet airlines) under tunnel in a vacuum tube propelled by compressed air. Then comes WATER FUELED ENGINES transportation which is in great demand, would be the best eco-friendly step taken by man.

ARTIFICIAL INTELLIGENCE which is also coming into picture would function many online data and business related task to household related stuff. The NANO-CHIP can even take over the world of machine and technology. Imagine huge machines and nukes to small metal detectors everything being controlled through nano-chip technology.

Similarly, on the other hand 3D PRINTING technology having scope of usage ranging in building and construction field to medical field. Then comes HUMAN-OIDS, SELF-DRIVEN TRUCKS and VEHICLES, FLOATING FARMS, GESTURE and CONTROLLING, FLOATING PIXEL and HOLOGRAM

TECHNOLOGY and much more which I believe will come at our doorstep in near future.

What more?... Yes, VIRTUAL REALITY coming into picture, then will come VIRTUAL SPACE. LASTLY, TIME TRAVELLING with the help of time machines. This would make “every man’s dream come true”. Who knows if this also becomes possible?...

Seven Year Slytherin Survival Scheme

-Abhiruchi Bhattacharya

(This story is the runner-up entry of the event Fanmade Tales held during VESLit week.)

Tracey clambered over the ruins of what once was the corridor outside the Slytherin common room. Her disorientation after Apparating into a warzone slowly waned, replaced with a whirlwind of emotion that had occupied her since the sudden appearance of Harry Potter in the Great Hall.

She looked around tensely and listened, one hand firmly gripping her wand. The morning sun shone brightly through cracked walls, low in the sky. The fighting seemed to have ended here, at least. Tracey forced herself to push on, determined not to let her own selfish cowardice detract her from what she was here to do – look for her only two friends in the world.

Tracey still remembered her first ride on the Hogwarts Express.

“Do you really think Slytherin is that bad?” Oliver had asked.

“I don’t think this House business is that big of a deal anyway. I mean, how can one person be the same for seven years?” Sue said.

“Okay, best case scenario: none of us ends up in Slytherin. Worst: several. We need a plan to keep each other sane.” Oliver suddenly had the air of a military commander.

“Oh, I have a name for it already – the Seven-Year Slytherin... Survival Scheme!” Sue had finished in a flash of inspiration. Both Oliver and Tracey had applauded.

“Okay, how do we go about this? Meeting up whenever possible?”

“Well, why not do something together, at least once a year? Maybe spend a day together, exploring, messing about. Or even maybe Hogsmeade, once we’re in third year.”

“It’s a plan!” Oliver grinned. They had shaken hands and stayed true to their word.

“Davis, Tracey!”

“SLYTHERIN!” the Sorting Hat had boomed, and Tracey had joined her table with a nonchalant shrug towards Sue and Oliver’s disappointed faces, trying not to pay attention to the heaviness in her heart.

To her relief, she hadn’t disliked her House as much as she had thought she would. By her second year she had grown more comfortable among her schoolmates. Everyone seemed to get along in close knit groups, even though they were rather reserved. Tracey had found her own alongside Pansy Parkinson, Millicent Bulstrode and a few others. She wasn’t overly fond of them, but they were better than no one.

Sometimes a cold loneliness would steal over her, unannounced, but she was efficient at managing it. After all, she had her yearly meet-up with her old friends from the train to look forward to.

Their third year meet had been longer and happier—they had toured Hogsmeade together. They had nearly missed their fourth – they hastily scrambled together in the cobbled courtyard the last day before the holidays.

“Do you believe him?” Sue asked. “About You-Know-Who?”

“I dunno whether I do. I mean, we only have his word for it,” Tracey replied after a pause. “At least that’s what everyone’s saying.”

“What do you think happened then? D’you think Harry—”

“Killed Cedric? Please,” Oliver rolled his eyes. “Diggory was in his final year, he knew how not to get killed by a fourteen-year-old. Plus, didn’t you say you thought Potter wasn’t that much of a reckless showoff, Tracey?”

Tracey had been quiet. “I think something happened and he was innocent, of course, but I’m not sure I believe him completely.”

“Yeah, me too,” Oliver had said with a frown on his face.

Tracey knew all of them had been thinking the same uncomfortable thought—nobody wanted to believe that the danger of He-Who-Must-Not-Be-Named was hanging over their necks again, however much that was true.

They had met next year at The Three Broomsticks and talked about all the developments at the school, their O.W.L.s, Umbridge and the Ministry.

“She’s crazy! She shouldn’t be here at all!” wailed Sue. “I haven’t learnt a thing about DADA, I don’t know what I’ll do at the O.W.Ls!”

“Oh, you’ll be fine. Meanwhile Umbridge loves her ex-House, so Tracey’s fine too. I’m the one that’s in hot water,” Oliver said resentfully.

“Hey look, it’s your pals,” he suddenly pointed as Draco Malfoy entered the pub with Pansy, Crabbe and Goyle. Tracey had noticed an edge in his voice.

“Oh, yeah...” she laughed uncomfortably, worried they might spot her, but they moved on. “I don’t really stick around them that much, just Pansy.”

“I’d imagine that’s tough, she seems to be glued to him.”

Sue was avoiding eye contact, sipping her Butterbeer. Tracey felt slightly resentful.

“They’re gits. I don’t hang out with them,” she said firmly. “Pansy isn’t that bad when she’s away from them. In fact, most people in Slytherin aren’t that bad at all. Although, honestly, some of the bozos, I swear, I don’t know how they aren’t in Hufflepuff—”

Tracey broke off; perhaps she had gone a little too far. It had been a careless remark.

“What is that supposed to mean?” Oliver snapped at her. “That we’re all meatheads?”

Tracey stared at him, at a loss, caught off-guard by how hurt he looked.

“Well, no, of course—”

“And I thought you were the one saying how little you cared who was who?”

Sue looked alarmed. Tracey was bewildered.

“Oliver, calm down. It was just a joke. I didn’t mean—”

Oliver had gotten up and left. Tracey looked at Sue, who looked disturbed. “What’s gotten into him?”

"I dunno," Sue said, pinching her lip. Tracey was unsettled by how serious Sue looked as well. It was as if the atmosphere of pleasant relaxation had been cleaved in half. The discomfort had remained with Tracey for a long while, amplified by Oliver seemingly avoiding her more and more as the days went by.

She had finally confronted Sue about it when, in their sixth year, he had refused to show up on three separate attempts.

"It's not just about that joke, like I said – I think, with everything happening, and you being around Malfoy and his band so much, he thinks you're turning into one of them."

"One of what?" Tracey asked angrily. "A bratty child? Because that's all Malfoy is, okay? He's all talk!"

"That's not the whole problem, Trace," Sue interjected quickly. "The problem is that you come across as if you don't want to be seen with us anymore, as if we somehow ruin your image. And it's not just him anymore; it looks like that to me too." She glared, gesturing at the deserted corridor Tracey had asked for them to meet in.

"Well," Tracey began with difficulty, "If your house would excommunicate you if you were seen 'fraternizing with the enemy', what would you do?"

"I don't think my house would do that."

Sue's reply only enraged her more. "Wow, that's awfully lucky for you, isn't it?"

Sue looked at her with sincere apology. "I'm sorry, Trace. But really, I don't think me or Oliver can stand it if you keep on like this, defending them. They're inexcusable."

"Fine, go on then!" Tracey shouted. "It was nice knowing you two, thanks for nothing!"

Sue gazed at her, wounded and dismayed, then walked away. Tracey watched her leave, suppressing her horrified urge to call out, say it was a mistake, that she was sorry, and to start all over again.

Her life had descended into turmoil from then. With Albus Dumbledore dead, Hogwarts and the whole wizarding world in disarray, her parents were considering not to send her to Hogwarts for her seventh year. They had finally decided to send her, convincing each other that she was safer there than at home.

"Be safe, Tracey."

Her father had intently looked into her eyes as he spoke, and Tracey found herself welling up with a strange sentiment-- both fearful and courageous, it imbued her with a timorous but earnest fire; a refreshing bath that seemed to cleanse the heavy sludge of her own misery and exhaustion. She had felt this balm of love again in her mother's quick, final hug at the station. Tracey had left them with a tremulous smile, catching on to some of the boundless gratitude she harboured for chance or whatever higher power that had given her the parents she hardly deserved and the life that she had lived.

Going back to Hogwarts was still daunting, but Tracey faced it with a courage that was new to her. Somehow her objectives lay clear even in the impenetrable fog of loneliness, doubt and confusion--she would make sure the people she cared about survived, no matter what it meant for her.

It was this determination that had collided with the brute force of the majority when Harry Potter, suddenly appearing in the Great Hall, called them to arms.

As the final echoes of the Dark Lord's voice faded from their ears, Tracey had been paralyzed by the suspended panic that seemed to affect everyone.

"Potter's there! Someone grab him!"

In the very moment that Pansy Parkinson had screamed, something seemed to unhinge. Tracey's hand flew to her wand, ready to curse one of her own, but before she could do anything else the entirety of the student body had already trained their wands at her. Tracey was relieved and ashamed at the same time.

As McGonagall gave out evacuation orders, her heart plunged into a growing despair. She was convinced that the right thing to do was to stay and fight, and yet she found herself scanning the students for her two friends and thinking of how to persuade them to come with her to safety. Tracey was horrified at how willing she was to run. Most of her house was already gone and she suddenly felt exposed, weak, vulnerable, lost among a sea of strangers. Having spotted Sue two tables over, she pushed through the dissipating crowd to reach her.

"Sue... please, I'm waiting for you wherever they take us, okay? Get Oliver to come too!" Tracey spoke urgently over the noise. Sue turned, partly obscured behind a thick knot of Ravenclaw girls. Tracey thought she saw her smile.

"-Okay--Don't worry, Trace, just leave--be alright..."

The rest of her words drowned out. Tracey was already being buffeted away by the swaying crowd. Somehow her words had made her even more unnerved.

She'll come with him, she told herself firmly. It'll be okay. I have to move.

Pansy reproached her for being late. Tracey had paid her no notice. Offended, Pansy glared at her, then turned and disappeared into the crowd without looking back. Tracey felt some of their friendship leaving with her and wasn't sure she felt sorry for it. Pansy was long gone from her thoughts as she waited, helping out the baffled inn owner in managing the throng of students.

They didn't come. She waited, longer and longer, anxiety clouding her mind, distracting her. Blinded in a haze of panic, she refused to move as several of the familiar faces she knew from seven years in Hogwarts left one by one.

The sounds of war had begun, ringing in the background. She knew by now that Sue was not coming. A part of her seemed to already be grieving--Tracey was suddenly furious at herself.

It was finally when the Dark Lord had spoken again that Tracey saw figures outside the windows – there were more Slytherin students Apparating back, several with reinforcements. Even more residents came out of their homes and shops-- soon they had enough to reignite hope among themselves. Perhaps it was this charge back into battle by the traitors, the House she had despised being sorted into that had finally jolted her out of her reverie. Tracey knew she must return too, to face the result and finally do what must be done.

And here she was.

Tracey could look down on the cobbled courtyard and saw a handful of people. Tracey had guessed right—the war had ended and it looked like they had won. The relief of confirmation gushing into her heart was immediately silenced as she searched the hall in vain for her two friends.

Tracey finally walked into the Great Hall, hopeful at the numbers that seemed to have survived.

She felt detached from all these people around her that had stayed and fought while she had simply waited for the majority of the night. For a brief moment, she thought she saw Harry Potter himself—the Boy who Lived – and felt a sweeping wave of gratitude, but the very next moment he had vanished. She hoped he knew how much she—and everyone else—were in his debt. She hurried along, wondering whether she could ever find her friends in a crowd as massive as this.

Her heart skipped a beat – she had had spotted where the bodies lay. Tracey moved in a trance, terror grabbing hold of her thoughts.

People sat huddled and crouched around the bodies. Tracey felt fiercely mortified for walking into their midst like a selfish, worthless stranger, but she continued. She had to know.

She spotted a familiar tousled head at the very back of the Hall, wearing torn yellow robes. She hurried toward it, unsaid words from over two years welling up all at once.

She stopped abruptly. It was him. He knelt beside the body of someone she couldn't see properly.

Tracey tried to speak, but he suddenly turned and her voice caught in her throat as she saw Sue Li, her friend for more than eight years, apparently asleep. Her eyes moved to Oliver's drawn, exhausted face and knew that she wasn't.

In the quiet moment that their eyes met, none of them reacted. Tracey wasn't sure what was happening to her, or what was happening at all; the rest of the world had melted away and only she, Oliver and Sue remained, only for that moment. The very next, they had ceased to exist as well, and Tracey seemed to have collided with a wall of pain – she fell to her knees, unable to breathe or think. Words poured from her that she couldn't control. The only thing she could do was struggle against imaginary vices that seemed to be crushing her entire body.

"Oliver, I'm sorry, I'm sorry, for e-everything. I'm a miserable person, I should've stayed, I should've stayed with you guys..."

Blinking furiously, Tracey waited for Oliver to move, to react however he chose to—perhaps to scream at her, curse her. She knew she was to accept whatever he did, for she was worthy of nothing more. She couldn't raise her eyes to look at him. She didn't see him, therefore, when he crawled towards her slowly, unable to believe his eyes. She only felt suddenly enveloped in his warm embrace.

"Tracey—You came back, thank god... thank you..."

Tracey couldn't believe it. She couldn't believe him, his words. Was it the sun pouring in through the smashed windows that made her so warm? No, it was the rushing light of forgiveness. Tracey couldn't stop her sobs, neither could he, his.

They remained, all three united for the last time.

VESIT Diaries

Mr. Prasad Gawde a VESIT Alumni from the 2007 batch of Computer Engineering is currently working as the Associate Vice President for the renowned car dealer company, Carwale which is also a dream company visiting VESIT for campus placement. During his college days he was an ardent coding enthusiast and a spry participant to various events and committees. After his bachelor, he pursued his masters degree in the field of Computer Science from the Indian Institute of Technology, Bombay. Since then Mr Gawde has never stopped achieving feats in his career. Apart from his technological life he believes in living and enjoying his life to fullest. He is an energetic athlete, cyclist and a table tennis player. Mr Gawde also practises meditation and yoga. All this helps him in being more productive at his workplace and to maintain a balance personal life. Here we present you with excerpts of our interview with him which will help everyone to get an insight to his well balanced and coordinated life.

1. Tell us something about your life at VESIT.

I spent six years in the old building of VESIT doing Diploma and Degree from the same college. I used to be very quiet and super studious during my Diploma days but became very active in the technical societies during Degree years and was still amongst the top 10. I was a Jr. And Sr. Web Editor of the Student's Forum for Electronics which gave me a lot of opportunities to learn and grow. Being an active member of Tech society also gave an opportunity to host The Coding competitions in Praxis.

2. After your engineering you chose to do your Masters than settling on a corporate job. What motivated you to do so?

To be very honest I did not have any aspirations for M. Tech. I had given the Gate just for the sake considering that if I get good score then I will go for higher studies else will do a regular job. Fortunately I could crack Research Assistantship in IITB so went for it. But I would like to state here on something which I learnt during my IIT days. Getting into IIT is easier but surviving there needs a lot of hard work. One can get a degree without much of efforts but doing a good Job in M. Tech needs a lot of dedication and hard work. One needs to do a lot of homework on what one wants to achieve after post-graduation. One must be very clear as why he/she wants to do M. Tech/MS and what field he would like to explore further.



Mr. Prasad Gawde

3. You are working with CarWale since 2015, also now as an Associate Vice President Engineering, can you share a glimpse of your journey there.?

Well last three years have been fabulous and most rewarding in terms of learning. I grew from Software Development Engineer 2 to a Senior Software Architect to an Associate Vice President in last 3 years in CarWale. When I joined the Organization, I got an opportunity to work on projects that changed the complete ecosystem in CarWale and most importantly I got an opportunity to work with super talented people and a Manager who always encouraged me to do new Experiments and never blamed me for the failures; rather he always supported me when I did so and advised me to learn from them. I learnt a very important thing in CarWale, that is, to choose the Organization based on the people you would be working with and the Boss you will work for because you will be working 1/3rd of the day with those people. Plus, CarWale is Agile and quickly adapts to new technologies which makes an individual grow in all dimensions.

4. Please share a glimpse about your personal life. How do you manage your personal life with growing commitments at professional level?

I am a passionate runner, a cycling enthusiast, a meditator and an amateur table tennis player. Most of my day goes into office work but I make sure that I spend quality time with my cute little daughter. I was one of the lucky ones to have a spouse from the same college. We both did Diploma and Degree together and are now spending the rest of our lives together. How much ever busy we both are everyday, we spend at least half an hour together discussing how our day was.

With a lot of challenges in the corporate world and a lot to catch up at home, meditation helps me balance everything. Starting the day with some running followed by yoga and meditation prepares me well for the rest of the day where I can give my 100% to work while at office and 100% to my family when I am back home.

5. Could you tell us about some interpersonal skills we should have outside academics and how to manage them with technical abilities?

Everyone should play at least one sport. Daily Yoga/Exercise is a must, not for just good health but to get a bigger perspective of how to work with people and how to find the strengths and weaknesses in others and yourself. Being a manager, I can find so many personal traits of a person by just observing them play. It also helps one accept failures and move on, it teaches one how to give tough feedback and still maintain relationships. Play some group games and spend time with people (rather than being in the virtual world).

6. Can you throw some light upon the activities students can do from the beginning which will help them shape their career?

Do a lot of programming and study the basics well. For a building to be strong, one must have a strong base. Same is true for all developers. One must be super good in data structures and logic and one can have that only by practice. Also get a habit of asking "Why" for everything you do. Most of the time we focus more on the result rather than why that result has come. IIT taught me to focus on the "Why" part of it.

7. Tell us how important it is for an engineer/engineering student to have a life beyond technology?

I have covered most part of it in question 5. One thing every engineer must know is that you will fail at least once for sure. And having very good interpersonal abilities will help you sail through such events.

8. Any message for the new generation at VESIT!?

Know what you want in life. It's ok to not have any goal but be clear about that. Please, please please ... don't run just for good marks coz after few years in the corporate word no one gives a damn about your score. It will just help you get your first job but if you focus more on learning, then that will help you throughout your life. Focus more and more on learning new things. In today's world where everything is freely available, make a habit of learning something new each day or at least make a resolution to read something new for 20 minutes a day. By the end of a year you would have read 7300 minutes worth new information. Read a lot of books and make a lot of friends.