

# VESIT Connect

NEWSLETTER  
ISSUE 20: MAY 2017

## Contents

- Industrial Visit by Department of Instrumentation
- Wedding Bells
- VESIT Voice
- Mother's Day
- Musings & Expressions
- Tejas Express : a luxury on wheels
- Student Speak
- VESIT Diaries

## Industrial Visit by Department of Instrumentation

-by Souvik Saha

The instrumentation department of VESIT had organized an industrial visit to RIL petrochemical plant in Nagothane, Raigad on the 25th of January, 2017. The trip was for the BE students and they were accompanied by Mr Prasad Godse and Mrs Kadambari Sharma.

The students commenced the journey to Reliance Industries Limited - Nagothane Manufacturing Division (RIL-NMD) at 6:00 a.m. from Chembur in two buses and reached the destination at 9:30 a.m. The students were received by Mr. Surendra B. Patil, HR L&D Academy, at the learning centre. After a quick breakfast, the students were given a general awareness about the plant and the safety practices involved within, by Mr. Raghavan Varadarajan and Mr. Ratish Bandekar. After issuing passes, the students were taken in buses on a tour, giving them an opportunity to see the various plants.

The students were shown various plants as the equipment operators gave them a working demonstration of the entire process in action. Seeing the practical applications of the content learnt in lectures was a valuable experience for all the students.

There was a question answer session held, after which a lunch was organized, concluding the visit.



Getting Expert's Guidance



I. V. Group



Talk at Reliance Industries

## Wedding bells



Mrs. Hema Answal wedding



Prof. Ajinkya A. Valanjoo wedding



Prof. Damanjeet Kaur wedding

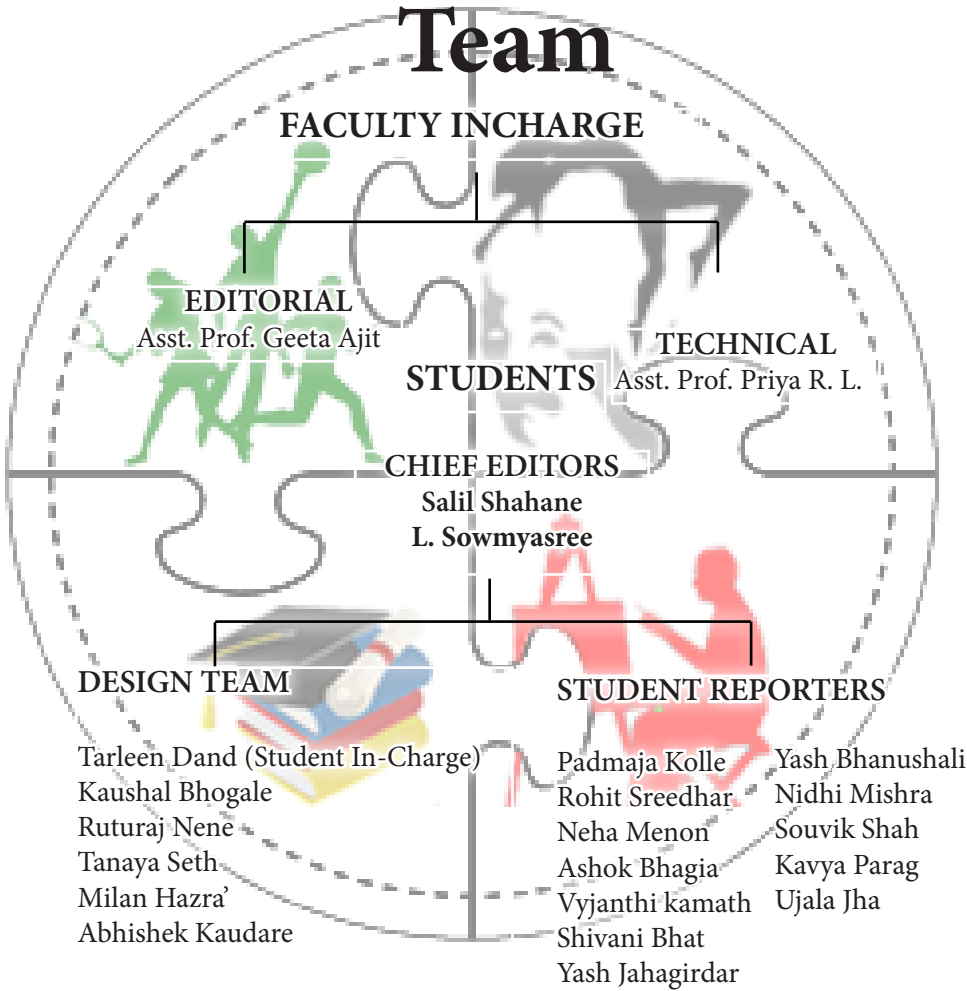
This year saw some of our VESIT's Staff tying the marital knot, Hema Answal from the VESIT Administrative Office married Dilip Rawat on 22 May 2017. Also, we had two VESIT professors from Electronics and Telecommunication department who tied knot this wedding season, starting a new inning in their life. Prof. Damanjeet Kaur married Gursewak Singh on 22 February 2017 and Prof. Ajinkya A. Valanjoo married Reshma on 7 May 2017.

We at VESITConnect wish all three couples a very happy married life!



# The ‘VESIT CONNECT’ VESIT Voice

-by Rohit Sreedhar



Greetings everyone! We apologize for not having been able to keep with the galloping time and we'd definitely recover soon. Though we weren't able to put you all on the same page as the present we are surely here to throwback some interesting news you'd probably have missed. May was all evil and dry and even more for us VESITians as apart from the sun, the furnace of the end sems were there to grill and roast. Through the arid turmoil what sprinkled the relief of joy was Mother's day. This issue bears an ode to the women whose warmth has melted the toughest of hearts . Nostalgia and the burden of a goodbye gleams through the words of our freshly passed out seniors who give us a sneak peek of their wonderful travel through time and geography alike. We also have herein some good insight into the Tejas express that's on its way to a glorious run. Success stories do kindle in the fire that sets to quench the thirsty ambitions and so we have with us over here Mr. Venkatesh Ramaswamy, senior engineering manager at eBAY, California. A distinguished alumni of VESIT and an incredible achiever, we are sure his interview would have you inspired. We urge you to stay tuned with us and show us more love as we make efforts daily to reach out to you with our words and news. Hope we'd continue to make more hearts happy and more minds, informed!

## Mother's Day

-by Padmaja Kolle

Mother's day is a day dedicated to all mothers, celebrated every year to honour her. A mother is someone who is always with us through every step of our lives, guiding us and motivating us throughout. She supports us through every right and wrong, good or bad, every obstacles and every downfalls. All this, with an expectation of nothing but love. Even though we cannot pay her debts in our entire life, Mother's Day is an opportunity for us to try to give back, a part of everything she has done for us.

For honouring our mother, motherhood, maternal bonds and her influence in society we celebrate Mother's Day every year. This day is celebrated on second Sunday of May every year in India. This year, the day is celebrated on 14 May as Mother's Day 2017.

We take this opportunity to thank all mothers for their utter love and support!



*"A mother's arms are made of tenderness and children sleep soundly in them"*

- Victor Hugo

## MUSINGS & EXPRESSIONS



- By Padmaja Kolle (D17 A)



- By Padmaja Kolle (D17 A)

## Tears.....

*Tears of joy and tears of sorrow,  
Don't waste them all, save some for tomorrow.  
As they are the feelings which have been expressed,  
When you are happy or when you are depressed.  
As they have been saved specially for a moment,  
Mostly special or some heart touching event.  
When the moment comes they too come out,  
You can't speak a word even if you open your mouth.  
For some they might seem to be worthless,  
But for me they are special like this verses.  
I don't even know how many of them I have shed,  
As I was lost in the painful memories instead.*

**- by Ravi Prabhu  
(MCA 1A)**

## Whispers of hope

*The Whispers of hope,  
I can hear them somewhere,  
They are Onto my ears,  
Or maybe here and there,  
When I tried to hear them up,  
I could clearly hear a voice,  
Saying When we fail in one  
There is always another choice  
But never ever give up,  
They said to me,  
As giving up never,  
Sets u free*

**- by Ravi Prabhu  
(MCA 1A)**



**- By Pratik Sawant**

## Trust

*A voice pierced through my ear drum.  
I watched the birds chirping in hymns.  
There you are, shaking with trepidation and fear.  
I watched your eyes glistened with tear.  
Your face spoke a thousand words.  
How foolish of me that I couldn't interpret at first.  
I wanted to help but didn't know how!  
How devil of him to shatter your trust.  
My duty to remind you how strong of a person you  
are.  
I know it's difficult for you to revive and cope.  
New discoveries will allow you to see far into the  
past.  
As there is always a ray of sunshine after the storm  
filled with hope.*

**- by Ankur Gokhale  
(D7A)**

## Sister

*Rejoicing the days we shared in the past.  
Wish these days hadn't gone by so fast.  
Those fond memories that we shared.  
Be it good or bad, you cared.  
Playing different roles at different times.  
Sometimes you were partner in crime.  
You always comforted me with your kindness and  
smile.  
Those memories last for miles and miles.  
Like a companion to whom I can express my  
feelings.  
You always supported me at important dealings.  
Even though how much I try, I can't hold a grudge.  
Because you are sweet like a chocolate and smooth  
as fudge  
But sometimes, I feel lonely at night.  
Seems like you are getting out of sight.  
You will always be close to my heart.  
Even though the huge distance that keep us apart.*

**- by Ankur Gokhale  
(D7A)**



**- By Pratik Sawant**





- By **Tamanna Rupani**  
D16



- By **Pratik Sawant**



- By **Sachin Kumar**

## TEJAS EXPRESS: A luxury on wheels

-by *Ujala Jha*

**T**ejas Express is India's first semi-high speed full AC train fleet introduced by Indian Railways, featuring newer modern on-board facilities. The inaugural run was held on 24 May 2017 from Mumbai CST to Karmali, Goa which covered 551.7 km in 8 hours and 30 minutes. The ceremony was flagged off by Railway Minister Suresh Prabhu in the presence of Union Power Minister Piyush Goyal, cricketing legend Sachin Tendulkar and various other dignitaries.

Capable of running at the speed of 200 kmph, the luxurious couches of Tejas Express offers various amenities such as automatic doors, on-board Wi-Fi, integrated braille displays, 9-inch infotainment screens for each seat, tea-coffee vending machines, touch-free water taps in the toilet and secured way for a leisure travel. In line with Indian Railways vision to make tracks defecation free, Indian Railways has also installed bio-vacuum toilets in Tejas Express.

Unfortunately, prior to the train's commencement, a group of people smashed the window of the brand-new coach in Delhi. The unidentified miscreants damaged the train enroute Mumbai after it left the Rail Coach Factory in Kapurthala. Ministry of Railways expressed its concerns and assured the train to be inspected and serviced well before the inauguration. The Central Railways also released a schedule of the train services via Twitter to inform travelers of train timings during the forthcoming monsoon and non-monsoon time frames.



**Railway Minister at Inauguration Ceremony**



With its high-quality on-board traveling experience, the deluxe features packed Tejas Express has proved to be an asset for Indian railways and it showcases the vision and potential of high technology travelling in future. We, as the citizen should be aware of our duty to take care of such public assets because luxury comes with responsibility.

SALIENT FEATURES

1. Automatic entrance and interior doors

2. 200 Kmph Maximum speed

3. GPS bases passenger information display system

4. Tea-coffee vending machines
5. On-board Wi-Fi

6. Integrated braille displays

7. Bio-vacuum toilets

8. Passenger Announcement System



Indian Railway’s WDM3D Locomotive

# STUDENT SPEAK

## Beyond the exosphere

-by *Harishkandan Somasundaram*  
D12B

Human ignorance can never be reflected with any more perfection than it is with the lack of appreciation we share for the incomprehensible wonder our universe is. Light travelling from the burning stars, thousands and millions of light years away to shine in our night sky as the twinkling ‘little’ stars we sing about as kids. Birth and death of massive galaxies and stars. Then of course the breath-stopping, skip-a-heartbeat, jaw-widening, eye-expanding-to-the-point-of bursting fact that this immensely huge universe is still expanding! It’s beyond words perhaps to describe the awe one would feel for this universe! A curious mind always finds a food for thought. Humanity has incessantly pondered over umpteen mystifying questions. Are we alone in this universe? Where have we come from and who are we? What possibly lies beyond that black fabric of night sky studded with the eye freshening moon and those shining specks we call as stars. What might possibly lie beyond the exosphere?

This inexplicably massive universe of ours actually came into existence with a bang! Approximately 13.8 billion years ago, the universe; which comprises of trillions of massive stars and galaxies; was just an infinitely hot and infinitely dense singularity. And then it happened. The ‘big’ bang. After the initial expansion , it cooled down. Sub atomic particles like electrons, protons and neutrons were formed. They now finally formed “atoms”! It majorly comprised of hydrogen with helium and traces of lithium. So far so good. What about stars? What about the planets? What about the black holes and white dwarves and nebulaes? Well here’s where comes the force that keeps us bound to our beloved earth. Here’s where gravity comes into play! Gravity made the massive clouds these gases formed to come together and thus stars were formed. Stars clustered together to form galaxies. The wheels were set into motion and everything happened in perfect harmony. Now in a few crores of years these stars exhausted themselves. When stars meet their demise, they lead to the formation of black holes, white dwarves and nebulae. The demise of a star is perhaps a delight for the eye that knows to appreciate beauty and the mind which comprehends the implications. After all the years of exhausting itself, a star goes having it’s last hurrah in the form of what we call as a supernova. A supernova is an awe commanding stellar explosion which briefly outshines an entire galaxy! The magnificence of a supernova is such that it radiates as much energy as the sun emits in it’s entire life time(That turns out to a whooping  $10^{44}$  joules!!!) , before fading from view over several weeks or months. On average, a supernova will occur about once every fifty years in a galaxy of the size of the milky way. The cooled down fragments from a supernova coalesce together and thus are planets formed. Planets are attracted by a star’s gravitational field and that’s how a solar system is formed!

Now well this is just a layman’s account of the inexplicable beauty our universe is. But well everything starts from a beginning and so is this article meant to be.

# Generation gap

-by *Harsh*

It’s is a very heated debate of generation gap that the new generation is facing. So, let’s start with the archaic way of writing with the definition. So, I will ask the same old question and you will have to read the same old shit. What is generation gap? A generation gap or generational gap, is a difference of opinions between one generation and another regarding beliefs, politics, or values. In today’s usage, “generation gap” often refers to a perceived gap between younger people and their parents and/or grandparents. And yes I have done the same thing which every engineering student does, if you want a definition just call Wiki Sir.

Today’s generation is used to hearing a lot of taunts on a range of topics. Yes, those taunts “When I was your age .....” . So, let’s go through a few of them . My father says this, “When I was your age , the college fees was 2.5 rupees per month . Now, we are paying lakhs of rupees and do you even realize the worth of it? And what do you know? You have only become proficient in cheating and copying.” And what we have to say, now-a-days , we can’t even get a cigarette for rupees 10 . Without that we can’t even save a day, let alone a month. But yes one thing has not changed at all – the knowledge we have before graduation and after that . Being from a computer engineering field, we will only remember one thing , after we throw our hats into the sky with the same old robes used very year, sad to leave the college campus and happy to face a new world , that logarithmic complexity is good , algorithmic bad and if you have infinite complexity , then you know that you are about to be fired.

Now , many would not talk about this but still I would write . These younger generation is obsessed with sex . They are having sex at a very young age. They have lost respect of women . One night stand , casual girlfriends/boyfriends , casual sex , pornography and their set of allegations is endless. They may be right but if we talk logically , our grandparents had done child marriage , the average number of babies they had is more than the size of today’s entire nuclear family and they are teaching us a lesson of values . They followed the blind rituals of Sati and Dahej and then call us valueless .

Now, I can go on for long but I will wait not because I have don’t have time but because my hands are tired after typing !!! . I am not against our previous generation, I respect them the most . But one thing everybody must understand is that change is a must. We have evolved from apes to what we are today because of evolution and change. Probably, we will be facing a similar situation with our next generation but let’s just end with saying – “We will cross the bridge when we come to it”.

# VESIT Diaries

-by Ujala Jha



**Mr. Venkatesh Ramaswamy**

**Mr. Venkatesh Ramaswamy**, a dynamic tech-savvy personality who is currently working as a Senior Engineering Manager at eBay, California is a VESIT alumnus **belonging to the Batch of 2001 from the Department of Computer Engineering**. He was the Mumbai University topper of the year. With over 17 years of industry experience spanning over various engineering and software domains in large organizations like PayPal and eBay, Mr. Ramaswamy stands strong with his objective of working with completely abstract ideas and shaping them into reality. His vision and mission strongly carry a vibe of the lively and energetic persona he holds.

## 1. Tell us something about your life at VESIT ?

My college life at VESIT was very interesting but as it is said, “hindsight is 20/20” and there were a plethora of things I wanted to do during my journey that I repent not doing. I could have taken more risks and could have explored a lot more avenues to satisfy my curious urge. While I try to follow the same paradigm now, it does get harder as time passes. My tip for you is to not hold yourself back in asking the tough questions or trying out things you always wanted to. Everything you do in VESIT is a piece of a puzzle that fits perfectly in its place to form the bigger picture!

## 2. Could you share a glimpse of your life post Engineering?

I completed my computer engineering degree in 2001 and chose to go to the United States to do my masters at Indiana University, Bloomington. I worked in multiple cities in the United States and currently based out of California in the Silicon Valley region. Right now, I work for eBay as a Senior Engineering Manager and my teams are in charge of eBay’s back-end Checkout ecosystem. There is never a dull moment in the rapidly changing and constantly evolving world of Software services and Architecture and that is what keeps me motivated.

## 3. You mentioned working with eBay, tell us something about your professional life there.

As a Senior Engineering Manager, I manage multiple people managers, senior engineers and architects. A people manager leads each of my team and they have multiple software engineers directly working for them and are responsible for numerous Services and “domains”. The primary responsibility of the people manager and the team is to plan and deliver the requested numerous changes to the core website which includes bug fixes and enhancements. The Services we manage serve hundreds of millions of calls each day with tens of millions of transactions for millions of users. If there is even a single percentage point dip in performance, there are numerous alerts that are triggered. Our primary responsibility is to keep the site up and functional with optimal performance characteristics and functionality.

## 4. How do you manage your personal life at such a professional level?

Work-life balance is of utmost importance but also a very hard thing to manage. We probably do not realize (or care about it) when we graduate but it becomes a key factor as life evolves to include numerous priorities. The 100% separation of your work-life and personal life is practically impossible. I personally place a lot of emphasis on attending crucial personal events and encourage my team to do the same and it does take some juggling to make it work. I also believe that smart planning can eliminate almost all of the conflicts between work and life outside of work. When that also fails, it is critical to make up for that lost time in some other meaningful way but at a later point of time. There is no golden rule on how this can work for everyone but keep your eyes and ears open for feedback. There is a high chance that people around you and those who need you tell you how much they miss you (or not).

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

Technology today is progressing at such a quick pace that things become irrelevant in few months’ of time; it is just how the dynamic nature of technology stacks is. The large number of free libraries and open source projects out there have been the primary factors that have caused this revolution. Today’s top-notch companies are looking for well-rounded personalities who can not only ace coding challenges but also explain technical concepts in simple terms, articulate problems very clearly, work with passion and who are ready to take constructive feedback for their betterment. These traits will build your confidence and will make you stand out even in a crowd of very smart people. However, do understand that there is no substitute for technical knowledge and hard work.

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

The engineering curriculum is, by design, built to get you ready only for the first few steps of your career. This means that the learning process has to continue beyond graduation and at a much more rapid pace now that the foundation has been solidified. I would recommend you to explore the numerous tech options out there, be it programming languages, software libraries, algorithms, NoSQL DBs, Big Data stacks, Queuing frameworks, etc. Another tip is to not worry about the exact line-by-line syntax of a programming language or the exact location of the header files – that is what the compiler or a search engine is there for - but focus more on the interesting semantics of a language. For example, Speed optimizations, Memory allocation, Garbage collection and Error handling are a few implementation aspects that differ one language to another. Overall, I encourage you to be a jack of multiple technologies and master of a few.

## 7. Any message for the new generation at VESIT?

Once you realize that you are already the crème de la crème of the technology fraternity having got admission into VESIT, life should get a lot easier. So relax, enjoy your time in college and your focus should be on finding your North Star for now – more like a short-term goal. As you keep achieving your stars, your North Star keeps moving and that is what life is all about. You should set yourself lofty yet practical goals, innovate, keep learning and always be inquisitive about what is going on elsewhere in the world. Today, usage of engineering techniques are not all about coding or programming but solving numerous needs and challenges in every single aspect of our life. There is a lot more such challenges out there and we need people like you to solve them. Stay thirsty! All the best to all of you! I hope you all excel in whatever you choose to do.