

*Not just magnitude but also the direction!*

# VECTOR

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# VIT students win laurels @ TCS Contests

**16** students from Vidyalankar Institute of Technology have made it to the list of top 1000 teams across the world in the recent CodeVita Programming Contest conducted by Tata Consultancy Services (TCS). CodeVita is TCS' way of attracting young impressionable college students to adopt the culture of looking at programming as a sport and experience the joy of programming. After having run two seasons of the competition in India, TCS CodeVita had gone global since 2014, and around 2 lakh students from India registered for the contest this year. These 16 champs from VIT are exempted from the aptitude test that will be conducted by TCS on the campus recruitment day. They will be going directly to the interview round.

In yet another victory, Anuj Khandewal (BE INFT) and Rahul Kothawade (BE INFT) have been offered jobs in TCS based on their performance in TESTimony contest by TCS. TESTimony is a platform that encourages students to enhance their knowledge in software testing as well as reward them for exhibiting exemplary talent and knowledge in Automated testing, Performance testing, Test Management and other Software Quality related topics, helping them jumpstart their careers. Anuj and Rahul's spectacular performance earned them a coveted spot in the top 50 teams. By virtue of being one of the top teams in TESTimony, they have been shortlisted for a



**Anuj Khandewal**



**Rahul Kothawade**

**Congratulations to the 16 Champs from VIT for making it to the list of top 1000 teams across the world in the TCS CodeVita Programming Contest 2015!**



**Sanjana Mane**  
BE CMPN-1



**Palash Jain**  
BE CMPN-1



**Ibrahim Ahmed**  
BE CMPN-2



**Chinmay Bandivdekar**  
BE CMPN-3



**Chaitra Yangandul**  
BE CMPN-1



**Aakash Desai**  
BE CMPN-1



**Dhruv Kharwar**  
BE CMPN-2



**Kiran Nimunkar**  
BE CMPN-3



**Apurva Kokate**  
BE CMPN-1



**Ahmed Quadri**  
BE CMPN-2



**Mohit Gulla**  
BE CMPN-2



**Vritvij Kadam**  
BE INFT-1



**Naitik Soni**  
BE CMPN-1



**Shreya Shetty**  
BE CMPN-2



**Poornima Sapkal**  
BE CMPN-2



**Ninad Chaudhari**  
BE INFT-1

provisional offer of employment with Tata Consultancy Services Limited.

The icing on the cake to this happy turn of events proved to be when TCS recruited 163 VIT stu-

dents on the very first day of campus placements, thereby paving the way for future glory!

## VIT Snippets



**Football Paradise** - a blog by VIT alumnus Gaurang Manjrekar has been nominated as India's ONLY entry in the world-acclaimed FOOTBALL BLOGGING AWARDS, in not just one but two different categories - the Best New Blog (Football Paradise), and the Best Social Account (@LFC\_360). This nomination would take the startup to a new level. VIT is proud of Gaurang's efforts and wishes him all the very best! May Football Paradise break global records for the highest social media connect among football enthusiasts!



A student contingent from VIT bagged the Second Runners Up position (ranked third best) at **KALEIDOSCOPE FEST 2015** organized by Sophia College for Women. The contingent participated in 37 out of 40 events and was led by Brian Faleiro, who was assisted by Komal Bapna, Om Dhamdhare and Viraj Deshpande. Congratulations to all the winners and participants from the victorious contingent!

## Exam Alert!

**Exam:** GATE 2016

**Exam Window:** 30 January 2015 to 7 February 2015

**Exam Slots:** 9:00 am to 12:00 noon and 2:00 pm to 5:00 pm

**Results:** 19 March 2015

For more information check:  
<http://www.gate.iitb.ac.in/>

# NASSCOM - STUDENT CONNECT PROGRAM

VISIT's Department of Information Technology (Software Engineering Cluster) organized "Student Connect Program" with NASSCOM on 2 September 2015. More than 250 students attended an inspiring talk on "Job opportunities In IT" and "Entrepreneurship" by the Guest of Honour Mr Rajiv Vaishnav (Vice President - Member Outreach at NASSCOM). Mr. Rajiv is passionate about realizing the potential of the Indian IT Industry and is enthusiastic about developing new IT destinations in the country and fostering platforms for industry-academia interactions as he believes that these are the two most critical requirements for the Indian IT Industry to maintain its globally advantageous position.

The National Association of Software and Services Companies is a trade association of Indian Information Technology and Business Process Outsourcing industry. Mr. Rajiv shared that NASSCOM wanted India to gain recognition for its software professionals. Today, they work on security, e-governance and innovation aspects. Mr. Rajiv spoke about the passion and dedication of Devang Mehta, the founder of NASSCOM.

Mr. Rajiv beautifully explained the concept of 'inclined' and 'declined' as the phases in every one's life with the concept of S-Curve through which individuals and organizations can rediscover themselves. According to him, one's thoughts drive one's life. He also men-



tioned that to grow continuously in our lifetime, one needs to identify the slowdown (leading to the bottom of the S-Curve) in one's life and act accordingly to again move up (which acts as the inclined in the S-Curve). He motivated students by mentioning the availability of a lot of start-up opportunities. He asked students to identify their strengths, opportunities and challenges and try to generate solutions.

He guided students on the approach one should have towards becoming a successful person in life and about the thought process one should move on with. He focused a lot on "IT

Revolution", "IT Industry from NoWhere To SomeWhere", "India's positioning in the world" and how NASSCOM contributes a major role in it by concentrating on the quality, productivity, innovation and cost every time there was a need to provide IT services to clients across the globe. He mentioned, "Confidence is important for each of us as a first step toward success". He focused on the difference between an employee and a contributor and that one should always strive to be a contributor along with being a good employee which makes a big difference to an individual and his/ her organization

and eventually to the society. He said that there is a lot of stability in India and a lot of job/business opportunities for many and this will increase in the near future. He encouraged students to become entrepreneurs.

It was a learning and interactive session for students wherein he answered all the queries put up by them. Mr. Rajiv, through his excellent talk has really touched upon many important facts students should be aware of and follow for their continuous development and success.

- Ujwala Sav & Kedar Sawant  
Faculty, VSIT



## 2 DAYS OF TRAINING - Memories of a lifetime!

"The Dale Carnegie Training is an ink pen", our trainer Mr. Joe Verghese jubilantly exclaimed. He added, "Just like the barrel of an ink pen stores ink, the training in itself is a comprehensive collection of excellent data. Just like we hold the pen for a directed grip, the training lets us get a strong

hold on our career. And the way the ink never fades out, the training leaves an everlasting mark on our lives". And indeed, the training proved to be a package of excellence.

The Dale Carnegie training not only focuses on effective communication skills, but it also encompasses every aspect of one's development in one's professional and social life. Thus, I

would consider it a crucial part of one's all round development and this indeed is a great opportunity given by Vidyalankar Institute of Technology to the students pursuing their engineering. The training started off with an activity for testing our emotional intelligence wherein we declared unlikely and likely statements about ourselves and our partner had to guess the true ones and the ones which were false. Such a simple activity, but this made us realize how often we judge people just by their appearances and how can we read the body language of people while conversing. We were also taught about stress management and how to deal with difficult situations. We were asked to role play real life crisis situations and the ways to deal with them and not let the stress affect us mentally and physically. I believe this Dale Carnegie training session supplements the classroom training that we receive and can really help us in facing real

life situations to the best of our abilities. And by facilitating such a workshop, something apart from the curriculum, Vidyalankar Institute of Technology is certainly striving to give its students an upper edge over the rest.

The world is a plethora of eccentricity. And to deal with such people too in our social and professional life is a challenging task! The training taught us how to deal with various types of people and react in different situations. We were trained on our interpersonal skills, our interviewing and answering techniques. We were also given tips on our presentation skills and effective communication techniques. An interesting activity was conducted where we were split into groups of six where every person had to face a bombardment of questions from the remaining five. The swiftness, diplomacy and creativity of our answers were critically judged. This experience of a formal face to face assessment will certainly become useful for the students studying in Third Year Engineering for their future job interviews and placements. We were also taught techniques of marketing and the methods of establishing a connection with the audience. It was emphasized how advertising works on three levels of interplay with our brains. The most successful marketing techniques are the ones which make us believe, the ones which arouse in us a sense of strong trust and belonging to the product.

The training session was overloaded with activities and interactive events. It just got better and better with every module. I remember the team event where every team had the same belief that how this training in spite of being only two days' duration gives us such a great deal of knowledge just like the principle of physics where even a very less force at a particular place gives enough leverage to lift a large amount of weight. It is stupefying how we got certified for a two days' duration capsule but took back home with us memories of a lifetime!

- Oindrilla Chatterjee  
TE ETRX 1, VIT



## SAMVAD 2015

# Confluence of Industry and Academia

Vidyalankar Institute of Technology is a pioneer in providing and motivating its students to display their unique talents. One such platform provided to the third semester students of MMS was Samvad 2015, where the students showcased their efforts of two months at summer internship projects (SIP) in the most innovative manner through presentations, charts and models.

It was a very proud moment for everyone at VIT-MMS as the function was inaugurated by Mr. Vinit Goenka, who is a Member, IT Task Force at Ministry of Shipping, Road Transport & Highways, Government of India. The function started with the opening address by Vidyalankar Chairperson Dr. Sanjeevani Deshpande followed by an address by the Head of the MMS Department Dr. Ankush Sharma. Mr. Vinit Goenka then took centre stage and moved the crowd stating some unknown facts of history. He told how India could have saved the invasion from foreign countries had it been cautious enough to close the small gap at Hindu Kush. He further elaborated how the one driving force in self can make a difference to the nation stating examples of his students from his education institute Uttan Krishi Sanshodhan Sanstha who found a pond of drinkable water in the middle of the Arabian Sea. With the dynamic question answer ses-



sion led by him, he made sure to take into consideration the ideas put forth by students.

The 6th floor of MMS department had a very professional ambiance with various projects on display by Human Resource, Marketing and System specialization students at the pre-lunch session. The atmosphere was pervaded with enthusiasm not only from MMS students but also by the students from various other engineering departments across VIT who took a keen interest in understanding the projects in depth. The post lunch session witnessed the projects displayed by the Finance and Operations stream students, who with equal zest carried on the later part of the event.

The whole event flowed seamlessly due the efforts put in by the entire MMS 2014-16 batch. Ms. Grishma Chunekar and Ms. Tanvi Shastrabudhe played a major role in designing and executing the whole event. Contribution from the professors wouldn't go unnoticed since they were the guiding light for the students at each step. The day came to end with the students feeling elated with the appreciation and recognition they garnered. It is said, “Without discipline, hard work and commitment we would never have realized our dreams.” Samvad witnessed all of it and was the first stone laid by the students to soar high and realize their dreams.

# TECHNOMANTRA – 2015



Vidyalankar Polytechnic has successfully organized a state level technical paper presentation competition for the third time in a row. This event was designed for aspirants from Electronics and Telecommunication, Computer and IT Departments from various diploma colleges across Maharashtra to participate with zeal to put forth their research work and ideas.

The event received an overwhelming participation from various technical fields like Human Computer Interaction, Artificial Intelligence Data Mining, Embedded System, IOT, Green World etc. Out of these 120 papers 40 papers were from places outside Mumbai like Nashik, Pune, Dhule, Jalgaon, Amravati etc. 24 papers were selected from Electronics and Telecommunication branch and 23 from Computer and Information Technology branch. The participants of the selected papers were called to present their papers in the conference “Technomantra 2015” on 7 September 2015. The Chief Guest for the event was Shree Tejandra P. Chaturvedi, Head of Equipment Electronics Services division, BARC, Mumbai.

The event was judged by Dr. Saylee Garge (V.E.S. Institute of Technology), Prof. Suhasini Shukla (senior faculty, V.P.M.), Dr. Hemant Pardeshi (Government Polytechnic) and Prof. Harshvardhan Ahire (Somaiya Engineering College). The winners and runners-up of

both Electronics and CO- IT departments were awarded cash prizes of Rs. 7500, Rs. 5000 and Rs. 2500 respectively and certificates. The remaining participants were awarded participation certificates and the ‘Technomantra 2015 Volume 3’ book in which their papers are published. A special cash prize was also awarded to the best paper from outside Mumbai region.

The winners from the EJ Department are:

1. Akshay Bhopann and Omay Naik from Vivekanand Polytechnic
2. Aditi S. and Kabir Bhosale from Fr. Agnel Polytechnic
3. Stutee Oza and Nuorain Panjwani from Shree Bhagubhai Polytechnic

The consolation prize is awarded to Harshil Patel and Ankit Karande of Vidyalankar Polytechnic.

The winners from CO-IT department are:

1. Drishti Gugal and Hamsika Shah from Shree Bhagubhai Mafatlal Polytechnic
2. Angha Pasalkar and Yadnika Pawar from Vartak Polytechnic
3. Utkarsh C from Vivekanand Polytechnic

Consolation prize is won by Pooja Dhede and Madhavi Metke from Jawaharal Nehru Institute of Technology, Pune.

The Technomantra team is looking forward to organize ‘Technomantra 2016’ on an even larger scale.

- **Technomantra Team**  
R & D Committee, VP

# Kalnirnay – A Cultural Innovation



DAC Committee of VSIT organized an event to inculcate the seeds of entrepreneurship by inviting Mr. Jayraj Jayant Salgaonkar (Co-Founder, Publisher and Managing Director, Kalnirnay—a hugely popular almanac used in India) as the resource person. In his address Mr. Salgaonkar shared valuable inputs on the approach to be adopted to become a successful entrepreneur. He focused on ‘Innovation’ - the quality which reflects a successful entrepreneur. He defined an entrepreneur as the one who starts his/her business and runs it with innovative ideas. He further added that innovation is what distinguishes between a leader and a follower. He insisted on ‘ideas’ in the first place, which pave ways to generate innovative ideas. He feels ‘Kalnirnay’ owes its growth and success to the KISS principle (Keep It Simple Silly) which is directly proportional to innovative ideas. Mr. Salgaonkar emphasize on continuous innovation. In this context he said

that, he has developed a team of software engineers for the same purpose followed by registering (patent) of the research (HORN Measuring Meter) that he is working on.

This session was enlightening as Mr. Salgaonkar shared his real life experience towards the growth of Kalnirnay. He motivated students by supporting his statements through examples of Vikram Sarabhai, Ratan Tata, Thomas Edison, Barack Obama – all of whom owe their greatness to innovative ideas. He expected great advancement in health-sector, extensive use of solar energy, biotechnology of plasma which will evolve the world bringing in sea changes. He asserted that it is the serene mind which generates innovative ideas and thus advocated peace through Yoga. The whole session was centered on innovation and proved to be food for thought for the budding entrepreneur.

- **Kedar Sawant**  
Faculty, VSIT



# India's Tennis Greats

India may not have as strong a connect with tennis as the country has with other popular sports such as cricket, football or hockey but with back-to-back triumphs of Leander Paes and Sania Mirza at this year's US Open, the

association is poised for an overhaul. Still going strong at 42, the Indian tennis veteran Paes scripted history by notching up the US Open mixed doubles title with Switzerland's Martina Hingis to become the format's most successful

male player in the Open era with nine titles - taking his total Grand Slam titles to a staggering 17 (8 in Men's doubles and 9 in Mixed doubles). The following day, another Indian ace Sania bagged her second consecutive Grand Slam title of the season, and fifth overall, as she won the US Open women's doubles with Hingis as well. In 2015 itself, Paes and Sania Mirza have won five titles in 12 doubles event in the four Grand Slams combined.

The history of Indian Tennis dates back to the early 1990s. Many notable contributions were made by greats like Ramanathan Krishnan, M Saleem, and Vijay Amritraj. From here on, the scene of tennis in India just kept on improving. Leander Paes rose to the occasion by winning the coveted bronze in the 1996 Atlanta Olympic Games. In 2003, Indian tennis saw the arrival of Sania Mirza. Sania became the first Indian woman to win a Grand Slam when she won the mixed doubles titles with Mahesh Bhupathi at the Australian Open in 2009. She became the face of women's tennis in India and carried the baton forward.

## Here is a quick look at the two Indian tennis greats

### Leander Paes

The Kolkata born Paes became noticed when he

won 1990 Wimbledon Junior title and further was ranked as the No. 1 junior player in the world. Sport runs in the blood for Leander. His father, Vece, was a member of the bronze medal Indian field hockey team in the 1972 Munich Olympics, and mother, Jennifer, was a captain of the basketball team. Paes proudly carried the Indian tricolour during the opening ceremonies of 2000 Sydney Olympics. He has made the most number of appearances at the Olympics by an Asian athlete. He is famous for his several memorable Davis Cup performances and is a former team captain. One of the most successful professional Indian tennis players, he has received the Rajiv Gandhi Khel Ratna award, India's highest sporting honour, in 1996-97; the Arjuna Award in 1990; the Padma Shri award in 2001 and its third highest Civilian Award the Padma Bhushan in January 2014 for his outstanding contribution to tennis in India.

### Sania Mirza

Sania Mirza is currently ranked number one in women's doubles. From 2003 until her retirement from singles in 2013, she was ranked by the Women's Tennis Association as India's No. 1 player, both in singles and doubles. Throughout her career, Mirza has established herself as the most successful female Indian tennis player in history and one of the highest-paid and high-profile athletes in the country. In mid-2007, however, a major wrist injury forced her to give up her singles career and focus on the doubles circuit. Sania has won 5 Grand Slam titles (2 in Women's doubles and 3 in Mixed doubles). She has also won a total of 14 medals (including 6 Gold) at three major multi-sport events, namely the Asian Games, the Commonwealth Games and the Afro-Asian Games

Sania Mirza was announced as UN Women Goodwill Ambassador for South Asia. She is the first South Asian Woman to be appointed as a Goodwill Ambassador in the organization's history. In 2004, Mirza was awarded the Arjuna award by the Indian Government. In 2006, Mirza was awarded a Padma Shri, India's fourth highest honour for her achievements as a tennis player. This year she was awarded the Khel Ratna award by the Government of India.

India has still a lot to grow in the world tennis circuit. Hopes are at a high with Rohan Bopanna, Somdev Devvarman and Yuki Bhambri. However, none of them have so far been able to emulate the same level of success as shown by their predecessors - either in singles or doubles. New leagues such as Bhupathi's Indian Premier Tennis League and Vijay Amritraj's Champions Tennis League are coming up which have helped build on the excitement to throw up a challenge to other sports such as cricket and football. It is now for the corporate and the federation to get behind the sport in the same. Hopefully, the next few years will bring out more young talent and will improve the condition of the game in the country.

- Suman Pandit  
TE ETRX 1, VIT

# Life without an Engineer

Imagine you wake up suddenly at night, but have no means to find out what the time is. You are not able to find your clock, which is made by an electronics engineer, or your cell phone - a device made by a computer engineer. Not only to find out what the time is, engineering skills are used in every aspect of one's life from bathing to watching T.V. In real life we never bother to think about these things.

When we think of engineering, we usually think of devices, computer software, complicated mathematics and elaborate building projects that look beautiful to the eye; a stunning

piece of architecture or a scientific program. But these highly specialized fields just depend on basic concepts. Engineering has created nearly every aspect of our daily modern lives and it is more than just a skill or design — it's a fundamental way of thinking and interacting with the environment around us.

Engineering is one of the oldest fields in the world, arguably as old as civilization itself. The first engineers were those who developed the lever, the pulley and the inclined plane. Egyptian engineers designed and built the Pyramids, and Roman engineers conceptualized the

famous aqueducts. Today, engineering covers a broad range of ideas all devoted to keeping the "engine" of our modern civilization running.

Without engineers, the hard work of all popular scientists like Lord Kelvin, Boyle, Charles, Galileo, Isaac Newton, Thomas Young, etc. would have gone in vain. It means that Archimedes would have shouted 'Eureka' in vain, if engineers failed to build ships floating on the sea; obeying the principle of floatation; carrying luggage and people from one place to another.

A world without engineers would have been a world where you would not be able to ping on Blackberry Porsche, browse Google on Samsung Galaxy, call your girlfriend and say goodnight, watch movies on iPod, read novels on Android tablet, board an aeroplane, nor would



I be able to type this article on a system and get it printed.

Thus, it can be concluded that we do forget the importance of an engineer in our daily lives, but an engineer never forgets to simplify our lives from all trying jobs to just a press of a button. So, it can be said that life without an engineer would be a life full of hardships. "Scientists dream about doing great things. Engineers do them"

- Prem Bajaj  
CO1GA, VP