



SAMANVA 2016-17





SIES

RISE WITH EDUCATION

Graduate School of
Technology

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Principals Desk

Dr Vikram S Patil

It is with pleasure that I handover 'Samanvay 2017', an in-house, annual publication of the SIESGST. 'Samanvay' not only chronicles the events and activities of the current academic year but also provides an interesting forum for students to showcase their creativity and literary talent. This institute has always aimed at the holistic development of the students and this is one of the many initiatives taken by us.

It has been a good academic year with overall good performance in all fields. The first year results have been extremely overwhelming and has been better than before. The highlight this year has been the efficient organisation of several new events like TEDxSIESGST and Hackathon-ByteCamp. TechXter and Innovations-national level student paper presentation and project competition organised by IETE ISF and the CSI student chapter also met all expectations. It was well organised and was enthusiastically received by the participants from all over India. These events have boosted our confidence in our capabilities and encouraged us to aim higher.

An institute is known by its students, you are the brand ambassadors and therein lies your responsibility. After a decade of existence we now need to sustain our initiatives and widen the scope of our capabilities. Technology is growing at a pace where we have to keep learning at our feet. Being a technical institute, we need to work more on this front and be ready and prepared to face the cut throat competition to sustain in a good job or be an entrepreneur. There is no dearth of knowledge and information online. One has to choose the right kind of course and improve his knowledge base. The industry institute interaction also needs to be strengthened to understand their needs. A small initiative like technical newsletters carrying inputs from the prospective employers, alumni and industry experts can be a starting point for such interactions. Small but yet another step in this direction would be to participate in standard conferences and competitions.

I would also like to see you all as part of nation building activities which has been initiated by the government, one of them being the Unnat Bharat Abhiyan which is with a vision to help build the architecture of an Inclusive India, and another being the Smart India Hackathon. The NSS unit can contribute to 'Vittiya Saksharta Abhiyan', VISAKA, yet another initiative by MHRD, with an aim to engage the youth to encourage and motivate all payers and payees to use a digitally enabled cashless economic system for transfer of funds and lead and act as engines of this transformational shift. Being part of such initiatives can give you an exposure to working with real time projects and compete at national level.

Any organization grows and sustains growth only when each stakeholder is involved in the process and there is a sense of belonging in each one. To succeed in life one needs good health, peace within yourself, wisdom to make the right decisions, sense of fairness and honesty, and above all, the desire to do better every day so never leave the zeal, to learn and innovate and always tread the right path.

My best wishes to our graduating batch and I do pray you all do well in life. I hope your journey with us in last four years will be cherished and will stand you in good stead. Farewell and keep in touch.

Congratulations to the editorial team who have put in untiring efforts to for the publication this edition of Samanvay. I hope 'Samanvay' continues to be your voice, to introspect, share and involve in the institute building process.





EXTC





SIES Faculty



INFORMATION TECHNOLOGY

MECHANICAL ENGINEERING





SIES Faculty



PRINTING AND PACKAGING TECHNOLOGY

HUMANITIES AND APPLIED SCIENCES





SIES Faculty



OFFICE
LIBRARY
& EXAMCELL

NON TEACHING
STAFF





SIES Faculty



WOMEN DEVELOPMENT CELL

ANTI RAGGING COMMITTEE



CORE COUNCIL





Achievements



Sudarshan Sridharan
Gstian of the year



Chaitanya Bhave
Technical Excellence



Vishal Mendigiri
Sportsperson of the year



Sowmya Chillara
*A first year engineering student,
represented the University of
Mumbai at Inter- University
Handball matches*



Shatavarth Cheruvu
Most Enterprising Student



Sunny Erinjeri, Akshay Nayak
Creative Excellence



Web Development Team



Team TurboCrafters



Team Go-Kart



Viraj Kanchan
Most Enterprising Student



**Vishala Deshpande
Akshay Nair Memorial
Award for Best**



Team Efficycle



**Anish unnikrishnan, Uday
Menon, Kaushik
Gnansekar-Winner of
Bytecamp**





Editor's Desk

Abinaya



Shruthi



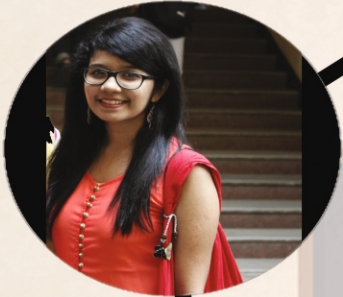
Vignesh



Arjun



Riona



Anushree



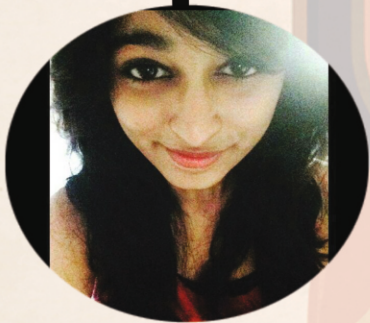
Ketaki



Nisha



Vipula



Sanjeev





Editor's Desk

*The big secret in life is that there is no big secret.
Whatever your goal, you can get there if you're willing to work.*

– Oprah Winfrey

If you've never failed, it's possible you have never persevered! The definition of hard work must be the deeds that challenge us. Superficial opportunities in life will always be a trap for those who want things easy in their lives. What makes us stand apart from the rat race is our personal definition of dedication and our ability to bag the right chances. The magic ingredient to satisfaction is not an outstanding pointer or the perfect job, but rather a dutiful zeal and unqualified innovation.

Samanvay 2017 is a portrayal of this enduring essence within the different departments and student chapters of SIES GST. The laurels and various first time accomplishments of our campus are living proof of our perennial yearning of success. This edition of Samanvay showcases the myriad of art and science, of tranquillity and determination. Between these carefully cartered sheets are the feats of the hardworking, the deeds of the determined and the thoughts of artists.

The Editorial Team is proud to present this 'Samanvay' (read Collection) of reports, articles, artworks and photographs that truly reflects the plethora of emotions in all of us, students and staff alike. Not to forget, the people behind the scenes, who helped edit and design this issue. We hope you enjoy this little adventure that represents the spirit of SIES GST.

Editorial Team:

*Shruthi Raghavendra
Vignesh V
Ketaki Yelgaonkar
Anushree Chatterjee
Arjun Kapoor
Riona Almeida
Abinaya Rajan*

Designed By:

*Nisha Nair
Sanjeev Srinivasan
Vipula Rangarajan
Arjun Kapoor*





Help Yourself to Happiness



Everybody, everywhere
seeks happiness, it's true,
But finding it and keeping it
seem difficult to do.

Difficult because we think
that happiness is found
Only in the places where
wealth and fame abound.

And so we go on searching
in palaces of pleasure
Seeking recognition
and monetary treasure,

Unaware that happiness
is just a state of mind
Within the reach of everyone
who takes time to be kind.

For in making others happy
we will be happy, too.
For the happiness you give away
returns to shine on you.

Helen Steiner Rice







YEAR	NAME	POINTER
FE	Anushka Agashe	9.555

YEAR	NAME	POINTER
2 nd Year	A. Tejaswee	8.895
3 rd Year	Chaitanya Keer	9.335
4 th Year	Haripriya Iyer	9.155

YEAR	NAME	POINTER
2 nd Year	Nivedita Bhute	9.785
3 rd Year	Sneha Shenoy	9.69
4 th Year	Subhalaxmi Subramaniyam	9.17

2 nd Year	Arjun Kapoor	9.66
3 rd Year	Rishabh Karnad	9.395
4 th Year	Divya Nair	9.06

YEAR	NAME	POINTER
2 nd Year	Tushar Patil	9.265
3 rd Year	Paras Patil	9.68
4 th Year	Harshal Pawase	8.98

YEAR	NAME	POINTER
2 nd Year	Namita Preman	9.845
3 rd Year	Akshay Hingmire	9.36
4 th Year	Sainath Mane	9.4

YEAR	NAME	POINTER
2 nd Year	Savnee Savarkar	9.79
3 rd Year	Ajay Rawat	9.88
	Michelle Rodrigues	9.88
4 th Year	Sayali Upasham	9.14



From the Literary Club

The Literary Club began this academic year with an objective of not only promoting literature, but also giving students a platform to come out of their comfort zone and improve their personality. Our first task was to raise awareness of our club and hence the team organized an orientation for the future literatis from SE. The amazing turn-out and interaction promised a fun and happening year ahead for the club.

The club continued the tradition of 'Bheja Frydays' where the club gets together for healthy, fun and interactive sessions. It got a stupendous response from all the members of the club this year. "Bheja Frydays" took a twist from its regular activities a session on 'One Act Play' was conducted to meet our goals stated at the start of the year. Students willingly came forth and acted based on the situation given to them. This activity in turn improved their confidence level and helped them to overcome their stage fear.

'Word of the Day' was introduced to the college notice board where a volunteer put up some random word on the notice board with its meaning and usage. The idea behind it was to improve the vocabulary of all the students. On festivals, our team put up greetings on the notice board to increase the awareness of that festival and ultimately highlighted our culture. The team received amazing articles, poems and sketches for the bi-yearly newsletter, Gazette which was compiled and designed by the editorial team.

Gravitas- The literary fest was held during Cognition with three major events namely Mock Parliament, Spell Bee and Creative Writing. Mock Parliament, in its second year raised the bar of parliamentary debate with interesting agendas and increased number of entries. Spell Bee was a fun, dynamic and challenging event organized to test the vocabulary of the participants. Creative Writing was a writing event to bring out the creativity in the participants.

In even semester, the club came up with an innovative idea of 'The Lit Show'. It was an event on the similar platform of 'The Ellen Show' & 'Koffee with Karan'. Two students from BE and FE were interviewed followed by exciting games. The show was a full pack of entertainment, uncountable laughs and enjoyment. This TML, Gravitas had six events with Model United Nations being held for the third time where 35 countries had put up their best delegation. Cosplay in its second year was a huge success with the theme- 'Halloween'. The club came up with a fascinating event called F.R.I.E.N.D.S/v/s GOT to match up with our fest theme- 'Television'. The event received a positive feedback from all the participants and was one of the most likable event of the fest. Story Quest, Lit Hub and Pottermaniac were among the other events organized under Gravitas. Our last task was the making of Samanvay, the annual magazine of SIES GST. It gives us great pleasure to present to you 'SAMANVAY'.

Arjun Kapoor
TE IT





Wise Words

Dear students,

It is truly right when they say a dream doesn't come true by magic; it takes persistence and hard work. Every accomplishment begins with the decision to try, and the accolades we have achieved this year reverberate around the college with the sweet tune of success. To the council of 2016-17, I can only assume that integrity and determination must be your second names,

It makes me proud to acknowledge the fact that every year, what students become is a result of their own curiosity; what they gain is a result of their own goals and what they nourish is their own choice. I strongly believe that the activities of the Student Council encourage the creativity and sportsmanship in students and deliver a platform to hone their skills further in any desired field. This multi-dimensional goal of improving an individual is what I envisioned and I can proudly state that this is what we achieve each year. The graduating batch looks all new, 'renovated' and 'resurrected', out of their comfort zone and into things defining them, out of the bubble of low self-esteem and into the world of confidence and leadership, out of their old, vulnerable past and into the strong, new future. This change is there. It is proof enough to say that everyone is willing to change themselves and come forward to develop their interests and learn new things. Yes, everyone wants to.

However, what I realized is that, while busy decorating the yard, we often forget cleaning the house. The core element. The main element we're all here is our technical choice, our technical aspects or just plainly, our engineering. I envision a unidirectional growth in my students but I often come across poor motivation in the field of education and technical nuances. Poor motivation or should I say, the right kind of motivation is the need of the hour as students need to develop there too. This year, we had one of the biggest successful events, Hackathon hosted by our own technical team and it was a treat to know that many students did take up new projects to participate. It was a good thing to know that the entire team solely, managed to curate and create a beautiful event around 'engineering'.

This is the right kind of motivation that everyone needs. This is the other side of the coin that everyone forgets to polish. Only when your coin shines on both the sides will you be able to bring light on the world. I encourage and implore students to take up small projects no matter how insignificant they are, take up research studies pertaining to their field no matter how hard it is, talk about technical improvements like it's gossip, make conscious efforts to know more about technologies and its applications in the world. Little things will matter the most and eventually, result in something very big and important.

I end this article on a hopeful note that, next academic year, I hope to see students laying the foundations of technical knowledge improvement and sow the seeds with the leadership skills that they've already developed. My only statement of advice would be to motivate yourself to come out and learn and inspire others to come along with you. May the lamp of learning be passed from individual to individual so that the entire arena looks bright and all-ready for your future endeavors.

Sumita Padmanabhan
Faculty incharge - Student Council





Acheivements

CULTURAL ACHIEVEMENTS:

- Samyak Bhatt (TE) stood 3rd at district level, at the University classical instrument competition. His instrument of choice was the harmonium.
- Monesh Mhatre (TE) stood 1st at the zonal level, in the Mumbai University Poster making competition.
- Monesh Mhatre (TE) stood 1st, at the zonal level, in the Mumbai University spot painting competition.
- Ravi Sharma (SE) stood 1st, at the zonal level, in the Mumbai University collage competition.
- Vipra (SE) stood 2nd, at the zonal level, in the Mumbai University cartooning competition.
- The Moksh dance crew of SIES won prizes in dance competitions held at different venues - 1) 3rd place in Zephyr 2017 at Lokmanya Tilak College of Engineering. 2) 2nd place in Etamax at Fr. Agnel College of Engineering. 3) 2nd place in Group dance, TML 2017 at SIES GST. 4) 2nd place in Velawcity at D.Y patil college of Law.
- The Aagmi dance group of our college stood 3rd at a dance competition held at AMITY University.

SPORTS ACHIEVEMENTS:

- Sowmiya Chillara (FE) was selected in the Mumbai University handball team and played west zones in jaipur. Her team secured 3rd position at the National level Event.
- Shruti Parpaterkar got selected in the top 8 in swimming during the Mumbai University Sports Meet.
- Ajith kumar - 100MTS run; secured the 5th position in the Mumbai University Sports Meet.
- Ankita Auti - Javelin Throw; secured the 7th position in in the Mumbai University Sports Meet.
- Nilofer Shaikh, TE EXTC won 2 medals for fencing at the Mumbai university sports. She won 1 gold (for foil) and 1 silver (for sabre). She was selected for All India Fencing Tournament which was held at Amristar. She won a bronze medal in sabre event.
- Boys tug of war team was selected among the top teams during the Mumbai University Sports Meet.
- Our college team participated in a inter college cricket tournament, by Lakshya. Among the 15 teams that participated, they stood first. The tournament took place at the Cross Maidan, in Mumbai and lasted for almost a week.
- SIES GST Cricket team creates history at the inter college NMIMS tournament at Matunga gymkhana by entering the semi finals with a score of SIES: 278/1 (20 overs).



Open Mic:

An event organised by the cultural team of the college for the first time. An open stage for students to showcase their talents like - singing, dancing, mono-acting, stand-up comedy. The cultural team put up a great show and managed to create a lively ambience filled with fun and laughter. The event was opened by the college's music club students. The event continued till 8.30 pm and was indeed a success.

The Lit Show

A lovely initiative by the Literary Club of our college to organise a talk show which was for the students, of the students, by the students. Two pairs of guests were interviewed and asked questions in the format of the famous TV shows like Koffee with Karan and Ellen Show. There were interactive sessions with the audience and all of this left the audience rolling with laughter.

ByteCamp:

The Technical Team of SIES Graduate School of Technology hosted the maiden hackathon "ByteCamp 2017" revolving around futuristic technologies as "The Future Is Now", and exploring the avenues of Internet Of Things. Sponsored by Facebook Developer Circles Mumbai, Hackerearth, Ahy Consulting, Bemeir LLC (Based in New York), and Drona Aviation, the 24-hour hackathon witnessed 17 shortlisted teams coming from across India. Apart from the winning prize, there were two special prizes awarded in the category of Most Entrepreneurial Idea and Social Cause, won by team GreyHats and team Technalogy respectively.

STAB:

An initiative taken up by 5 current SE students (Omkar Prabhu, Rohit Ramswami, Aditya Kulkarni, Aditya Nair, Vinay Ambre) to develop a community (STAB- Student Technical Activities body) which will act as a platform and encourage technical initiatives by students.

The head of the Facebook Developer's circle of Mumbai, Mr. Gaurang Shetty along with a few of our alumni gave motivational speeches to the 50 tech enthusiasts present there in the GST auditorium. The speakers tried to motivate the young minds in the room to get started with technical innovations and also spoke on topics like artificial intelligence, React JS, Fresco rebound being the major ones. The session concluded with the concluding speech by the technical secretary.



TEDxSIESGST:

For the first time in Navi Mumbai, a TEDx event was organised. This event was affiliated with the international TED talks community. The theme of TEDxSIESGST was 'Seeding Wisdom'. The event was conducted in the GST auditorium from 9.30 am to 6 pm. The speakers and their session topics were as follows:

- Raul Rodriguez- Harmless bullet of psychology,
- Dhaval Bathia,- United Religion,
- Shilpa Shah Iyer, - Past life regression therapy,
- Meena Barot - Ironman,
- Kaustubh Shivdikar - Certified Crazy Innovations,
- Vikram Poddar - Boardroom comedy,
- Melvin Louis - Concept of o.o,
- Dr. Armaan Pandey - Man, woman and everything in between.

An event managed entirely by the students, the event was flawless and received appreciation by both the attendees and the speakers.



Humans of GST

Chetna Deshpande



We see her everyday along the EXTC labs on the second floor, a motherly aura emanating from her every time she passes by. But little do people know about the roller coaster ride she has been on, with the countless number of hardships trying to pin her down, and yet, here she is, every morning ready to take on a new day with a calm and composure of a content human being.

Chetana Deshpande, born and brought up in Mumbai (Dombivli) has a Diploma in Electronics and Telecommunications along with a diploma in Computer Science, has been with the SIES institution since 2001. Till 2008 she taught computer science in the SIES School and on the 15th of January 2008 (Sankranti), a date she remembered very clearly, joined the GST family as an assistant in the laboratories for the EXTC department. At a young age, she was a trained singer and quite an enthusiast for knowledge, something she has held on to till date. During her times, girls weren't expected to go ahead with higher education but due to her mother's constant support, she went on to do her Diplomas.

A doting mother of two children - a son, currently working with India Bulls, who is to be married soon and a daughter finishing up with her 12th standard exams - has always been a woman of steel for her children especially when their father, a professor at an engineering college, passed away when the children were very young.

When asked about how she managed to climb out of her loss she recounted by saying, "It was a difficult phase. He was my assurance, my support system. My family that is my mother, in-laws pushed me through with their support and love. I have now become more confident and strong as a person." Her daughter was barely 5 years old when the family had to see such sorrow, and ma'am clearly remembers how her children have always been and will be her life. "I was their mother and their father ever since, without a shadow of regret."

Here is a person who holds onto the old school values like taking up a profession because they love it, and not because of the money, despite her financial crunch being the sole bread winner. Chetana ma'am loves teaching and in her darkest of days she also credits relaxation to being able to impart knowledge and also learn new concepts from them. "And how has GST treated you?" was the question whose answer amazed us too - "I have never felt more at home. The respect and support that I get from the management, faculty and students is heart warming. Although I dearly miss my co faculty from the SIES School. I know you wish to know how I feel about 'aaj kal ke bachche' but in my opinion I feel very warm and happy with my students. The treat me like their mother and obey simple instructions without petty comments. The students here are smart, kind, gentle with a helping nature."

After a hearty session with ma'am which crossed over an hour, we asked her our final question - "Any pearls of wisdom for all the bachche out there?" With a motherly smile, she went on to say, "Children must stay focused on their academics. One must try to fulfil their ambitions, however, not at the cost of their family. I know you kids want to stay updated and feel a constant need to stay glued to social media but I recommend you to keep away from the phone. When at home, be at home. Likewise, even parents should give time to their children. What's the point of going after other people if you don't even know what goes on with your children on a regular basis? In the attempt to modernize we shouldn't be forgetting our core values, manners and culture because after all, we are Indians. Friendship and family are what keep us going through this tough journey of life."

We asked her about her post retirement plans and to which she said she would love to continue taking tuition classes for students. Her ability to be able to see the silver lining irrespective of the many dark clouds is a lovely accomplishment. 'Tragedy can either make you or break you. It is up to us to make the call'. Defying all odds and standing back on her feet, Chetana ma'am is truly a source of inspiration.





Yael Feldman

Neena Jacob is a professor from the IT department and previously also worked as the exam cell head. A general favorite amongst the students, she has been a part of SIES GST for twelve years and has officially resigned as a professor to go back to US for the higher education of her elderson.

“I had to go to US due to my husband’s job transfer. I was a homemaker, life was really comfortable and I had nothing to complain about. I was having doubts about raising my kids here, mainly because of the US lifestyle and culture. My kids also had some health issues owing to the climatic changes which made me consider coming back to India. I was a victim of racial attack which gave me the assurance that I should be moving back to India. I was in the Laundry Room one evening, a teenager entered and started cursing and calling names, ordering me to just go back to my country and cause less trouble in US. This incident took place post the 9/11 attacks which made me think that my kids could get affected by the tension caused by the attacks. I finally took a stand and made my decision of coming back along with my kids.”

“I am having mixed feelings, considering the current condition of America. I am hoping whatever has been introduced will ensure betterment of the people living there, irrespective of the race. I plan to travel around and explore my interests.”

"I love teaching, especially the students of Mumbai. I previously taught in the South, but the respect that teachers get over here, thanks to the cultural diversity in Mumbai, made me love teaching even more. So I will miss my students the most. IT department was like a family to me. They were cordial, helpful and it was like coming to another home every morning. I made a lot of memories here and will definitely cherish them for years to come."

“I would like to tell them that humility is the most important thing that a person can have. Always be helpful and have a balanced posture at all times. You have to remember that anger will bring you down, irrespective of whether you are right or what the situation is and only when you give respect do you get respect.”

Neena Ma'am has been an amazing dedicated mentor to many students, proving that being a teacher is not only about teaching the subject well, but also about inspiring and bolstering students towards a healthy and happy academic life. We wish her all the best in her future endeavors.



Humans of GST



Sandeep Jaypal Kumbhar

During the day, he is busy attending lectures and in the night, when the moon glows all bright, he is working hard at the Indian Express Office in Mahape, Navi Mumbai. He has a family to take care of, his wife and son. Every three months, he visits them at their Kolhapur home. He is a true hero as he lives the life of two people- Father and Student. He's 27 years old. He is Sandeep Jaypal Kumbhat from SE PPT. Let's hear about his journey from Kolhapur to SIES GST.

"I am from Shirol village in Kolhapur and we're a family of 5 people, 3 brothers and parents. My father worked as a laborer and my mother did part-time odd jobs like selling chakli and making papad. When I was in eighth standard, I started delivering newspapers house to house and by the time I finished my tenth, I worked as a clerical staff in my own school, part-time. I used to earn around Rs. 700 per month and that way, I helped my parents manage the finances. However, in spite of all the hard-work, we didn't have enough money for education. After my schooling, I went on to do Diploma in IT and I did drilling jobs part-time to earn money. It was during this time that I saw my first movie, a Telugu movie for 5 Rs. because my friends insisted on it. In the year 2009, I started working in Lokmat, Aurangabad and I used to cycle for 12 kms to reach their office. It was a hard time for me, to cycle in the sun and then work long hours for a meagre amount of salary. It was during this this period that I saved every single penny I earned for my further studies. The irony here was that, when I went to MIPT Pune to pay my fees, I did not have money to come home."

Sandeep is highly motivated towards education and he went on to study at MIPT, Pune and again, he worked part-time just like he does now. Since then, he has had a habit of sleeping for just 3-4 hours in a day but he never gave up because he believed in his bright future. In the final year of his Diploma at Pune, he got married to a beautiful woman (and had a baby boy) and they settled down in Gujarat for sometime while he chased different jobs and saved money for his next endeavor at SIES GST.

"In Gujarat, I started saving money because I wanted to study Printing and Packaging. All the saved money I give as fees here and now I am in my second year of the journey of becoming an engineer. I also work in night shift at Indian Express and earn 32,000 per month, out of which around six thousand I save and the rest I send to my family in Kolhapur. I do miss them a lot but I dream of completing my education here and achieve bigger things for my family. I think that it's always better to something you want to do, rather than not trying and assuming that it's not going to happen."

Other than the dedicated and hardworking traits, Sandeep also has a creative bone. He likes painting and sculpting and he runs a Ganpati Murti sculpting shop along with his brother in Kolhapur. His favorite foods are Puranpoli, Paratha items and Kaanda Bhajji.

About his days in college he says, "I enjoy coming to college and I have very supportive friends here. I participate in events during the fests and I won first prize in Rangoli and in multiple Packaging Design events. My favorite teacher in college is Sumitra Ma'am as she has a very friendly demeanor and she's someone who will see you for what you are and give you personal attention in classroom. She is extremely helpful and the way she carries herself is truly motivating. I will always be grateful to her."

By this time, we were also truly motivated by Sandeep and we asked him about the values and principles he savors and here's what he had to say.

"I think that if you want to do something, then you must do it completely and give your 100% to it. People must always keep in mind that career and family are the most important things in life. Have fun but also have a firm hold on your career. Another thing I believe in is that, one must not dwell on other people's money. I believe in 'Tera tu, mera main' concept where you must pay for what you buy and other must pay for their own."

Sandeep, a simple yet an elegant manifestation of a human being has stolen our hearts and we implore you readers to see the essence of his life and learn from it. Learn to focus more on yourselves and learn not to complain about the small downfalls in your blissful life.

Learn to love without any flaw and learn to live a beautiful life.





This year NSS activities began with the 'Yoga Day Celebration ' in which students and faculties actively attended the sessions held on 19th and 20th of June 2016. Also, NSS volunteers attended the International Yoga Day Celebration on 21st June 2016 at the University of Mumbai, Kalina. Further, the enrollment process took place for new volunteers from second year and about 250 application were submitted out of which 50 volunteers were selected based on their response in the interviews conducted. The newly enrolled volunteers were given a brief idea by organizing an orientation which was held on 27th July 2016.

A seven days residential was conducted from 31st December 2016 to 6th January 2017 in Bursunge village, Murbad, Thane. The highlight of the camp was that we built 11 soak pits in 3 days and a Bandhara (bund) in the remaining 3 days. Soak pits were built for percolation of waste waters and bund was built to ensure that every household received water regularly. Seminars were conducted on 'Social service' and various personality development sessions and Street Plays were carried out for awareness about false myths related to Women menstrual cycle, Swachh Bharat Abhiyaan, etc. The volunteers also had an interactive session with the school kids. NSS Volunteers recited various poems on the National Youth Day. A seminar was conducted by Dr. Sumit Shinde on 'The role Of Youth In The Present World' for the NSS Volunteers on 19th January.





NSS Report

There are many people who had to drop of schools due to financial instability or some other issues. ISR BEACON is an initiative by our college which educates the under privileged people in our society. The volunteers along with faculties of the college went for a survey in chembur related to the this initiative. All volunteers actively participated in the Republic Day Celebration on 26th January by performing musical skits on the theme ' Pillars Of India' and also devised various creative artworks for the occasion. The volunteers truly gave a heartfelt performance which led to a standing ovation by the audience. Students from 'National Institute For Mentally Handicapped' were invited for the celebration and the volunteers had an interactive session with them.

This year Dream Run, which is a part of TML, took inspiration from the Republic Day skit and raised funds for the disabled war soldiers. Volunteers performed Street Plays and created an awareness about the adverse effects of the war soldiers. A self Defence Workshop was organized and conducted by Manish Jadli, a 5th degree black belt in Shotokan Karate. Finally an orphanage visit was organized to Girija Balmandir(Warrior Foundation), Palaspa phata on 14th April, 2017 where clothes, stationery and toys were collected in the college and donated. The volunteers interacted with them and all the kids enthusiastically spoke about their talents and dreams. Over a period of time, the NSS unit has grown into a tight knit family, understanding the true motto, which is the watchword of NSS 'Not Me But You'. It underlines that the welfare of an individual is ultimately dependent on the welfare of the society as a whole.

*Divyata Kotian
TE EXTC*



Institute of Electrical and Electronics Engineers – IEEE is an international organization of technical professionals, who work with a motive to enhance and nurture the technical endeavors of the students and provide them a platform to showcase their competence. IEEE is the oldest Students' Chapter of SIES GST. Like every year, various events and workshops were organized by IEEE SIESGST.

The year kick started with a seminar on virtual appearance by astronaut Mrs. Sunita Williams via live conferencing, on June 25th, 2016 at 5:00 pm (IST). The event was organized by IEEE Bombay Section, in association with IEEE India. Mrs. Sunita Williams shared her breathtaking life experiences and her journey as an astronaut. A few colleges were shortlisted by IEEE India for this event and SIES GST was the only college in Navi Mumbai to get shortlisted. The event received a welcoming response from all the curious aeronautics enthusiasts.

A drone making workshop was conducted on August 27th, 2016 under the IEEE SIES GST by DRONA AVIATION, which is a SINE IIT Bombay incubated robotics company, a start up by three IITians with the vision of designing and developing products and providing services in the aerospace domain. The speakers explained different components and working principle of quadcopter and helped the students build up their own remote controlled nano drones. The workshop received an overwhelming response from students of various branches. Badges of Drona Aviation were given to all the participants as a memento.

Techopedia, yet another stage for tech savvy students was hosted during the annual technical fest - Cognition'17 on September 23rd and 24th. This year, Techopedia 5.0 unpacked three events: INQUIZITIVE- a technical quiz competition, SQUABBLE- a debate competition and CIRCUIT MANIACS- a logic and circuit building competition, exclusively organized for First year and Second year students. Inquizitive was the flagship event this year. The fest turned out a grand extravaganza for participants from all over the city.

The entire IEEE team, along with branch counselor Prof. Preetee Khuperkar, Prof. Pushkar Sathe and HOD EXTC Dr. A. N. Kemkar celebrated IEEE Day on October 4th, 2016. The cake cutting ceremony was live streamed to the IEEE Bombay Section, along with many other colleges in the city.

A workshop on 'Electronic Hacking and Gesture Control' was organized on February 24th and 25th, 2017. Mr. Kshitij Dadhekar and Mr. Karan Makharia, who are the founders of 'Get tutorialized'- a platform which trains people in various fields of technology and robotics, were the speakers for the day. They explained the basic principles of electronics and helped the students to program and build up projects using Arduino nano. The workshop was a grand success accompanied by an impressive number of participants.

IEEE SIES GST also organized an Industrial Visit to Institute of Satellite Telecommunication (ISTC), Pune, on April 2nd, 2017 for the students of Third Year and Final Year Engineering, to get a practical insight of Satellite communication. It received an active amount of participation from the students. The students were accompanied by Prof. Preetee Khuperkar and Prof. Pushkar Sathe.

Thus, in a nutshell, IEEE Students' Chapter of SIES GST came up with a plethora of events and witnessed great achievement. The efforts put by the volunteers and the council members got reflected in all of the events. The entire IEEE team under the guidance of branch counsellor Prof. Preetee Khuperkar, IEEE Chairperson Ms. Uthiraa Manikandan and IEEE Representative, Ms. Shruti Surve, accomplished all the events with much finesse which led to a successful year.



Somya Shivhare
BE EXTC



The IETE Students' Forum of SIES Graduate School of Technology organized a two-day workshop on Ethical Hacking on 20th and 21st August, 2016. The workshop received a vehement response and had a total of 45 participants from various branches. The speaker for the workshop was Mr. Mahesh Rakheja, a Technique Public Speaker that is, the one who speaks technology. The topics covered in the workshop were Cyber Ethics, Information Gathering and Scanning Methodologies, Trojans, Backdoors, Google Hacking, Web Application Attacks, Wireless Hacking & Security, Mobile, VOIP Hacking & Security, System & Network Hacking, Introduction to Cyber Crime and Investigation Methodologies.

The workshop was followed by Mindspark 2.0, an intercollegiate technical quiz event, which was a part of Cognition'16. The workshop was held on 23rd September, 2016 and had a total of 46 teams participating for the same.

TECHXTER is a National Level Technical Paper Presentation (TPP), open to all the branches of engineering. This event is specially designed to test all aspects of the students' knowledge on varied topics. It provides the participants an excellent opportunity for demonstrating technical competence and presentation skills. Students can use this event as a platform to showcase different and upcoming technologies.

After five previous successes, TECHXTER 6.0 has marked the sixth consecutive year of Techxter. It was held on 27th February, 2017. This year, we received about 55 abstracts from all over India, out of which 27 abstracts were shortlisted. The Chief Guest invited was Mr. Bibhash Jha. He is an Electronics Engineer & a marketing professional, a Director of 3 companies viz. Pinnacle Infovision Pvt. Ltd., RVS Global Solutions Pvt. Ltd. & DBS Mintek Pvt. Ltd., which is an International & Domestic Call Centre & BPO.

The theme for Techxter 6.0 was "DIGITAL INDIA – A ROAD MAP TO INDIA'S FUTURE". The participants presented a wide variety of topics under this theme and each topic stood out as being ingenious. There were two judges each in three venues and they reviewed the presentations based on various factors such as uniqueness and innovation. The paper presentation ended with the declaration of winners – two from each venue. Overall, all the participants as well as the organizing team had a exceptional time.

Priyadarshini M.
TE IT



The CSI Student Chapter of SIES Graduate School of Technology organised a national level project competition, INNOVATIONS, on 10th March, 2017. The Event was organised in association with Computer Society of India, Andheri, Mumbai. Innovations served as a platform for young minds to take this window of opportunity and bring forward their innovative ideas in the form of projects.

Receiving a total of 55 project abstracts from different colleges, turned out to be a sign that the event would be huge and successful. The projects were from various fields such as computers, electronics, Internet of Things, Robotics, Mechanical, etc. After carefully analysing each project based on parameters such as novelty, effectiveness, positive impact on society and scalability, a total of 28 projects were selected for the competition. Spending quality time and efforts leads to effective results was proven by the participating teams. There were two different venues for the competition. In the first venue, the presentations of software related projects were conducted and in the second venue, all hardware related presentations were conducted. We had the privilege of having Mr. Prasad Datye, Director of OS3 INFOTECH PRIVATE LIMITED, as the chief guest for the event. The principal of SIES GST, Dr. Vikram Patil, welcomed the chief guest and the jury panel. The jury panel included Mr. Ramesh Kharat, Director of operations, Arnamy IT solutions, Mrs. Anita Diwakar, Doctoral Research Scholar, IIT Bombay, Mr. Jayant Dani, Principal Consultant at Tata Consultancy Services and Mr. Prakash Garud, Technical Advisory panel, Thakur College of Engineering, Kandivali.

The Valedictory Ceremony was graced by Dr. Vikram Patil, Principal and Dr. Rizwana Shaikh, HOD CE. The vibrant and innovative competition was concluded by a vote of thanks given by the Chairperson of CSI Student Council, Ms. Shruti Parpattedar.

Apart from INNOVATIONS, CSI also organised workshops for the students on Android programming and Python programming. The Android programming workshop was a two-day workshop conducted by CSI. The workshop witnessed participation of 45 students. CSI also conducted an event called B-Plan in association with the Entrepreneurship Development Cell (EDC) of the college. The event was held during Cognition'16 and was aimed to discover the budding entrepreneurs and give them a platform to start their journey.

The Python programming workshop was held by experts from WECAN EDUCATION on 28th January, 2017. The workshop witnessed a total of 100 participants and was aimed at giving students a good start into programming in Python. The students also built a mini project in Python. With the support of all the faculty members of Computer Engineering Department and the tireless effort from the CSI Council, the year 2016-17 was indeed an eventful year and a great learning experience.

Suvarna Kendre
Asst. Professor
Dept. of Computer Engineering.



EDC Report

“The best way to predict the future, is to create it” is what an entrepreneur truly believes. The EDC of SIES GST is actively involved in organizing workshops and events beneficial for aspiring entrepreneurs. This year has been an eventful one for The Entrepreneurship Development Cell of our college.

Beginning with the membership drive, the EDC comprises of an active council of 23 members out of which 8 are active members from SE and the rest are from TE and BE along with around 150 members over different branches and years.

The orientation was held in the month of July, wherein the EDC council decided to make a fresh start and have at least one startup of SIESGST. The CEO of Prisma Global, Mr. Shreeram Iyer presided over the session and delivered the importance of self-sustenance and entrepreneurship to the students.

In order to aid the students willing to take part in the various business plan competitions, a small workshop was organized in September, prior to Cognition on ‘how to write a business plan’ with Mr. Bharat Shankar, an alumni and an entrepreneur himself, as the speaker. Majority of the attendees of the workshop were participants of the B-plan competition held during Cognition.

For Cognition 2k16, EDC put up events like AD FRENZY, IPL AUCTION, MAKE YOUR FAIR, QUICK BUCK, B-PLAN and Panel discussion. This year’s Panel Discussion was on the topic ‘Make in India’ which was our highlight event. The elite panel consisted of - Mr. Niranjana Yadav : Founder and CEO of Switch Idea, Mr. Aditya Dasgupta : Managing Director at KeyQual Technologies Private Limited, Mr. Sumeet : Co-founder of educational content website StupidSid

The moderator for this event was Mr. Sagar Shejwalkar (Faculty PPT). These events caught the eye of many interested individuals.

The EDC council of our college participated in the E-summit held at IIT Bombay in the month of January ‘17. Among the many competitions our council team participated in, they stood first in IPL auction. Our council was one of the finalists in NEC (National Entrepreneurship Challenge). Our college secured the 11th rank in the NEC challenge all over India.

2016 saw the EDC gear up for TML’17 with a number of events, one of them being Bizence, a national level business-plan competition, an ideal platform for upcoming entrepreneurs. Other events organized by the EDC council were DEAL YA NO DEAL, LAND TYCOON, BIZINGA, MAKE YOUR FAIR and DUS KA DUM. TML being the cultural festival of our college, all the events organized had a hue of fun without losing the business essence of our chapter.

In March’ 17, a speaker session was organised on the topic ‘scope of entrepreneurship’. The speaker for the session was Mr. Aditya Dasgupta. The session was an interactive one with young minds getting answers to their dilemmas regarding going ahead with their own ventures.

The EDC council of 2016-17 was a close knit one due to constant meetings which lead to team building and a constant effort to keep the true essence of entrepreneurship alive. Our initiatives would not have seen the light without the guidance and mentorship of Mrs. Sumitra. P, the incharge of the Student Council of SIES GST.

If inspiration is what you search then do keep an eye out for EDC!



Anushree Chatterjee
TE CE



Training And Placement Cell

The Training and Placement Cell of SIES GST headed by Mrs. Seema Khan and the faculty in-charge from each branch has ensured there is a vast pool of opportunities, every year, for the students to secure their future. This year too was no different.

For BE 2016-17, till date, 24 Companies, ranging from reputed names in the industry to Start-ups, have recruited bright & intelligent students of SIES GST. There was a wide range of Companies for students to showcase their talent. On one hand, there were Dream Companies like Media.net, Reliance Industries, Zeus Learning, Xoriant, GEP, on the other hand, Mass recruiters like L&T, TCS, Capgemini, Tech Mahindra and Start-ups like Wisdm Labs, Zycus, Sciative Solutions etc conducted in and off campus drives for the students of SIES GST. Recruitment was not only confined to IT but there were few companies hiring for Analytics, Marketing, Digital Marketing, Sales and other profiles as well. Other companies that have recruited students from our institute are Majesco, Micro Ingram, Vistaar Systems, Convonix, Newgen, SYX, Friction Innovative Education LLP, Quinnox, Nucsoft Ltd, NEPA, Cactus Communication, Sciative Solutions, Rave Technologies, SYX and Endurance. While the average pay offered by the recruiters in 2016-17 was 3.5 lacs/annum, Dream companies have offered a payout of 12 to 4.5 lacs for the freshers.

The Training & Placement Cell organized a Campus Recruitment Training for the students of all branches, at the beginning of the Academic Year. The training aimed at providing students with the knowledge and practice of Aptitude Test, Group Discussion, and Personal Interview. Various other events, such as Prep talks and personality development workshops were organized as a part of the placement drive. There were many seminars and information sessions on GRE, GMAT, GATE and CAT for higher studies aspirants. Indian Navy visited the Campus to conduct a Motivational talk for the students and create awareness about the University Entry Scheme 2017.

The entire team gave utmost importance and time to all placement related activities to ensure all students receive suitable training, guidance and eventually a satisfactory placement.

Twinkle Thomas
BE EXTC



Aarambh & Music Club Report

Aarambh is the official theatre club of SIES GST. The Club has active members from each of the respective branches and has performed in many inter-collegiate and National level competitions. Aarambh has proved its mettle by performing various street plays, full fledged one act plays and mono acts in both Hindi and Marathi. A couple of mind-blowing street plays performed by team Aarambh - 'Are we really free?', 'Ek Sainik ki jeevan gatha', 'Beti', 'Evolution' at Terna Engineering college, Fr. Agnel, Vidyalankar and Mumbai University youth fest. The main objective of the street play was to open the eyes of the society. In the past two years, Aarambh started representing SIES GST in the arena of one act plays and with the dedication of its members, we have made our mark. Plays like - 'Bhas Ha Majha', 'Gunhegar', 'Host', 'Goshta Aahe Pruthvi Moulachi', 'Rani' are the successful attempts made by our team to entertain the audience. Our team brought laurels to the college in most of the competitions. Aarambh represented SIES GST in "Bhavan's Natya Parishad 2017" for the second time and Miss Sushmita Jadhav (SE-CE) was honoured with the Merit Award for 'Best acting in Lead role' for the play 'Rani'. The success achieved by Aarambh is all credited to our team members, Sumitra ma'am, who has always been supportive and not to forget our Director Mr. Ramakant Jadhav. Aarambh is not just any drama club, it's a platform where talent is recognized.

Rohan Chandanshive
TE EXTC

Music is an emotion which connects different souls together. The Music Club headed by Rebecca Rebello, along with Music Club representative Saurabh Singh, provided an inclusive platform for the exchange of musical ideas, appreciation of music and encouragement of musical development. 2016-17 was another busy year in the long and hallowed history of SIES GST Music Club. The hashtag events that particularly marked this year were Republic day, University Competition, Teachers' day and Independence Day. The much awaited auditions were conducted on 28th August 2016 and new members were elected to the club. We had many enthusiasts this year who were very eager and willing to be a part of this wonderful music club. The club has actively participated in many inter college musical competitions like solo/duet singing, Instrumedly, Karaoke and University competitions like Indian Group singing, Indian classical instrumental, Western instrumental, Indian light vocal and Indian classical vocal. Mr Samyak Bhat qualified for the district level of Indian classical instrumental competition conducted by Mumbai University. The success of every activity conducted by the Music Club is attributed to the Principal who has always been encouraging and supportive. The Music Club looks forward for many such wonderfully talented musicians and singers in the coming years as well.

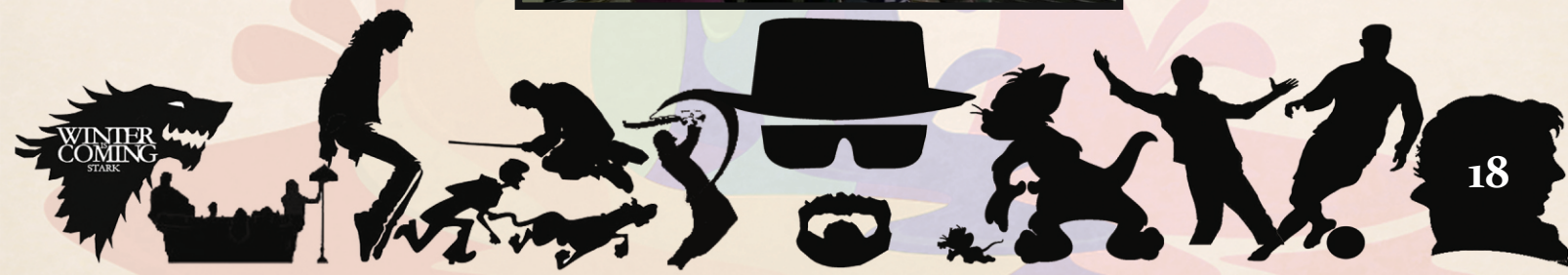
Priyanka Rao
TE EXTC

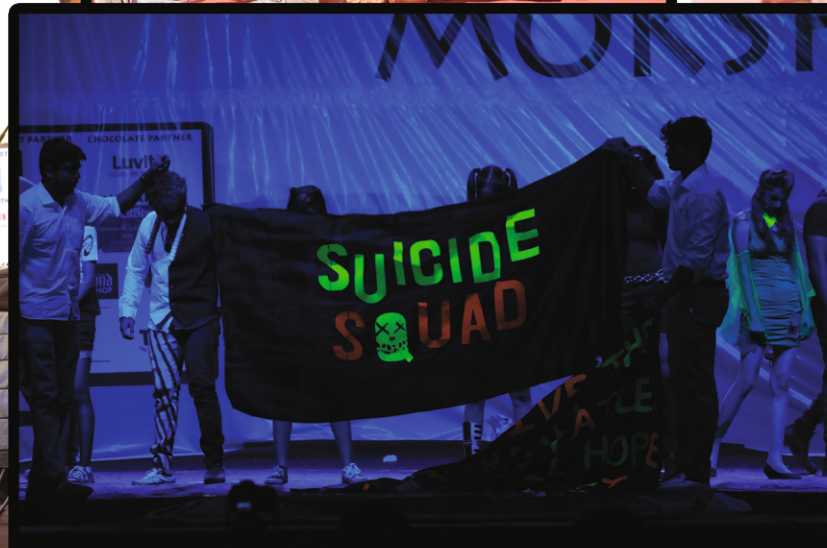




In the academic year 2016-17, ISHRAE-SIES GST students chapter arranged various activities for the students which proved to be beneficial to all the student members. Looking forward to a fruitful year ahead.

Head of Department, Mechanical
ISHRAE-SIES GST Students Chapter







ReConnect Report

ReConnect is SIES GST'S established medium for the alumni of the college. It serves as a platform for graduates of the college to associate with each other as well as stay in touch with the happenings in the institution. The fundamental objective of this arena is to provide expertise about working, entrepreneurship, startups, career guidance and many more; to the students who are currently pursuing their engineering. This is achieved as alumni are great role models, as they offer practical support to the current students. Also, alumni are excelling in their own fields and their interactions can help the students to overcome the industry academic gap.

In the year 2016-2017, various events were organised successfully by the alumni which were proved to be very beneficial for the current students. In July, prior cognition, a workshop was organised on 'business plans' under EDC, by Mr. Bharat Shankar and Mr. Niranjana. It mainly focused on how to attain business goals and other miscellaneous topics pertinent to enterprises and inspired students to take part in Business plan competitions. Post Cognition, an IoT workshop was organised which was presided by Mr. Vishal Dubey. He spoke about how 'Internet of things' was one of the fastest evolving technology, its uses and its applications. He also conducted a seminar in which he gave a talk about Facebook Developer Products like Android, Web, Open Source Hardware and Artificial Intelligence.

Many new events for the betterment of the students were made possible due to the financial aid by the ex-students of the college. To instil passion for coding, Hackathon was organised, in which the participants had to make an application within 24 hours and describe the components used and its execution. This whole event was sponsored by Mr. Harpreet. Similarly, for students who have achieved in any field of their prowess, were recognised by special achievement trophies during TML which were sponsored by alumni. They also came as judges in various TML events making it more gratifying and lively.

There were various seminars and workshops conducted by the alumni in the proficiency of their branch. Ms. Dikshita Shridhar gave a talk to PPT students on internships, its necessity and its importance. Mr. Rohit Hande gave a highly insightful seminar to the Biotechnology students on data analysis and research papers. Mr. Akshay Udaysapu had a detailed discussion and guided Mechanical students for efficycle and BAJA. Mr. Abhilash Agarwal gave a talk on importance of data science to the Computer engineering students, motivating them to pursue a career in that field. In march, Mr. Karan Kapoor and Ashok Krishnan gave a seminar on soft skills that enlightened students about interpersonal, social and communication skills to interact effectively with people. An Ethical hacking workshop was held that gave intuitiveness and awareness about the topic and was officiated by the speaker, Mr. Abhishek Kulkarni.

In 2017, ReConnect was held on the first Saturday of January where all the ex-students met and had a gala of a time. They interacted and reminisced all the moments of their graduating years giving a sense of nostalgia. One of the proudest moments for SIES was when Mr. Vishnu Chandrasenan not only got a prestigious opportunity of being an intern at NASA, but also secured a job there.

The council elections this year was administered by Mr. Vishal Vinod, Mr. Niranjana and Ms. Neelima who shortlisted candidates and conducted interviews to choose deserving students for the council body.

Alumni are an institution's most loyal supporters who shape the future of the college in a pivotal manner. Team ReConnect wishes the best and believes in each of the student who is a part of the GST fraternity, and trusts that they can accomplish wondrous feats, making SIES proud. The team would love to hear from the students in case of any queries or suggestions on "alumni@siesgst.ac.in". It is a sincere hope that the alumni continue to interact with the students, pass on their knowledge and share their experiences, for them to evolve better and have an insight on what is going on in the working arena.

Team ReConnect



The Department of Printing and Packaging Technology, SIES Graduate School of Technology, Nerul, Navi Mumbai, is the student chapter of Indian Plastics Institute, Mumbai. It organized 'P-Pack 2016', a National Level Technical Quiz on Plastics in Packaging. On September 23, 2016, this second edition quiz was held on a National scale emphasising specifically on plastics in packaging. It was conducted under Sies Graduate School of Technology's Flagship in Annual Inter-collegiate Technical Festival 'Cognition'. P-Pack has an aim of bringing the best out of the students who are doing their B.E/B.Tech courses in plastic/polymer/packaging related fields; and put their knowledge to test, alongside the best minds from all over India. The participants stood a chance to win an attractive prize money of Rs.20,000/- for the winner and Rs.15000/- & Rs.10000/- for the runner ups respectively. Each team consisted of two participants who were nominated by the Head of Departments of the respective participating Institutes.

The student members of SIES GST-IPI student chapter were enthusiastic and pre-occupied with the preparations for P-Pack right from July 2016. They put in painstaking efforts along with the faculty members to get sponsorships, to coordinate with participants from other colleges, to make accommodation arrangements for outstation participants and get the whole event planned by leaving no stone unturned. A website was created (ppack.siesgst.ac.in) in which participants could register and learn more about the event.

At the end, the event got an overwhelming response since ten teams had participated. The teams that took part in the preliminary rounds in the morning of September 15 were: 1 team from Madras Institute of Technology, Chennai (2nd and 3rd prize winning institute last year); 2 teams from CIPET Ahmedabad; 2 teams from MIT, Pune; 1 team from CUSAT, Kochi; 2 teams from Institute of Chemical Technology, Mumbai (1st prize winning institute last year) and 2 teams from SIES Graduate school of Technology.

To add value to this extravagant event, Mr. Bibhu Ranjan Mohapatra and his team mate Mr. Nishant Singh from 3 Idea Technology LLP, Mumbai, were invited to give a 1-hour guest lecture on '3D Printing, Scanning & Engraving' which was an eye-opener for the audience present.

There were two preliminary rounds conducted out of which 5 teams qualified for the Final Stage. After the grueling and five intense rounds, Ms. Aparna & Lakshmi from Madras Institute of Technology, Chennai walked away with the Winner's prize followed by Manan & Akash from MIT, Pune getting the 2nd prize. The 3rd prize was bagged by Sailu & Sreechand of SIES GST, Mumbai, bringing pride to the host institute.

The Prizes were given away by Mr. Umang Shah, IPI Mumbai Chapter Chairman and Prof. Sagar Shejwalkar, Head of Printing & Packaging Technology Department, SIES Graduate School of Technology. All in all the second edition of P-Pack was an immensely successful event with a nail-biting technical contest. Thus, SIES GST - IPI Student Chapter has now decided to make it an even bigger event next year.

Prasad B. Iyer
*Head of Department,
Internship & ISO QMS Coordinator,
Dept. of Printing & Packaging Technology.*



The Society of Automobile Engineering (SAE) is an international platform for engineers and undergraduates to come together, work and compete at national and international levels. A collegiate club has been established for the same functioning under the name of Team TurboCrafters which specializes in working with diverse vehicle technologies to fabricate different types of automobiles.

With over 65 members, 3 elaborate vehicle teams and the experience behind them, the Team now stands stronger than ever, marking its 5th successful year and fabricating 3 vehicles namely, the Piranha (Electric Trike), the Asura (ATV) and the Algaris (Go-Kart).

Kicking off the journey for the year, the team started with the design and fabrication of the Effi-Cycle named Piranha. Taking a step towards green mobility, this was the first time the fabrication of an electric trike was undertaken. An Effi-Cycle is a tadpole configured trike with a BLDC motor and cycle like mechanism.

Under the banner of SAE Northern Region, The Efficycle 2016 was held at LPU, Punjab. Qualifying the Technical Inspection round, Electric Drive Test, Figure of 8 test and the Safety Test, it ranked 55th among 135 participants in their first attempt.

Piranha was the first ever vehicle crafted by Team TurboCrafters to have qualified a technical inspection round at the national level and for the dynamic ones, setting a milestone which was shortly to be crossed by the team's own mighty Asura 2.

Following this, the Go-Kart (The Algaris), participated in a national level event named Go-Kart Design Challenge (GKDC). In the pre-finals, the team scored 295.25 points, making it one of the top scores in the competition, following which they cleared the Technical Inspection, and were the first ever team in the country to be awarded with an honoured entry for the following edition of the competition.

The ATV Asura 2.0 (ATV), participated in Enduro Student India (ESI), organised by Delta Inc , which was held in Coimbatore. It continued the new found legacy by qualifying the technical inspection. With the experience behind them, they entered the most prestigious ATV competition in India, The Mahindra BAJA SAE INDIA ,set yet another milestone by qualifying to the Endurance round for which even the most elaborate and well-funded teams around the country break a sweat.



They secured the 58th rank amongst 90+ teams in ESI, clocked a timing of 6.32 seconds in the acceleration test (BAJA), and secured the 35th position in weight pull out of the 150 participant teams (BAJA).

There is no doubt that the entire club has come a long way since its inception, acquiring the skills needed to build a beast of a machine. Driven by sheer love for automobiles and thirst for performance, the building blocks of all the above mentioned successes are the petrolheads who work tirelessly for days and spend sleepless nights in the college. Thereby, gaining the required knowledge, putting in immense physical and intellectual strength, becoming better versions of themselves in the process, helping to achieve that perfect run of the vehicle, and to lay the foundation of becoming the champions in their forthcoming ventures.

None of this would have been possible without the monetary, and moral support of our sponsors JEET Roadways, Flintstone group, DNK Pharmatech, Matchwell Die Caster, Thermo Precision and SIES Management.

We would also like to convey our deepest gratitude to Mr. Pradeep Patil (HOD Mech), Prof. R.V. Patil, Mr. Yogesh Panchal (Machine Shop In charge), Mrs. Sumitra Iyer (Student Council In charge) for their unending and unconditional support.

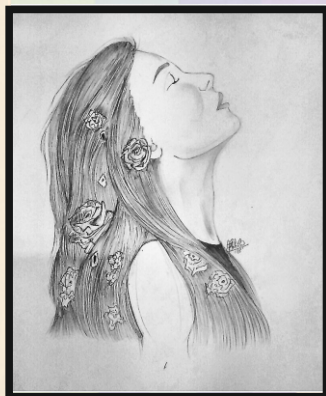
Arun Nair
SE CE



WDC Report

The Women's Development cell of SIES graduate school of technology has achieved many feats in the year 2016-2017. It was set up with the main initiative of promoting women empowerment and various events were conducted regarding the same. The academic year began with a Health Check up Camp on 'Quantum Bio Electric Full Body Analysis' which was held on July 29th and 30th, 2016. It was conducted by Dr. Firoz Sarang and Dr. Nuzhat Sarang who work as consultants and family physicians in 'A to Z Polyclinic and Diagnostic Center' and Ms. Swati Masurkar, a Social worker. Forty-one tests were conducted during the camp using Quantum Magnetic Health Analyser. Dr. Sarang gave guidance to the faculty members by observing the reports generated by the analyser. Around 60 faculty members had participated in the camp. The camp got a positive feedback as the faculty members applauded the contents delivered by the organisers. The second event by WDC was a Seminar on 'Organ Donation Awareness' which was held on February 4th, 2017 at SIESCOMS Seminar Hall S3. It was conducted by Mrs. Meera Suresh from Sneha Bandhan Trust, a representative of Zonal Transplant Co-coordinator Centre. Organ donation is a noble act which gives an opportunity to save lives after our death. The Speaker explained the necessity of organ donation, the significance of organ transplantation along with the procedure of organ donation as well as the eligibility criteria for organ donation. At the end of the seminar, pledge forms for organ donation were distributed along with the donor cards.

International Women's Day was celebrated on 8th March 2017 by the faculty members and the students. Women's day celebration had begun by making a vibrant rangoli preparation and poster paintings made by students. Seminar on 'Women Empowerment' was conducted by Ms. Meena Barot, Iron Lady and consultant faculty at ITM group of Institutions, Mumbai. The seminar highlighted the progress achieved with regards to Women Empowerment in particular, and also the road ahead. One of the major initiatives taken by WDC was the Sanitary Napkin Vending Machine which is installed in the ground floor girls washroom. Sanitary Napkin Vending Dispenser Machine is used for vending Sanitary Napkins by using a smart card. It is used for the immediate access of napkins to meet the menstrual emergencies. WDC stood up to all the expectations, the staff and students had harboured. The efforts and hard work put behind each event was clearly visible by the positive changes it brought along. The cell hopes to bring many more progressive changes for women and promises to keep working to bring about a positive change in the society.



Ms. Ujwala Ravale
CWDC Coordinator

Kokila Nadar
FE C



TML Report

The SIES Graduate School of technology organized the annual inter collegiate technical, cultural and sports festival 'Tatva Moksh Lakshya' on 2nd, 3rd and 4th of March, 2017.

The inauguration of the festival started off with a bang. The college principal, Dr. Vikram S. Patil and Dr. Munir Sayyad, the General Manager of Reliance Jio, presided over the function. The ceremony commenced with prayer song by the Music Club students. This was then followed by the ceremonious lighting of the lamp by the dignitaries. The inauguration was concluded by 'Contraption', which at the end revealed the festival logo.

The theme this year was 'Television' and for the span of three days the campus had a soul that was vibrant, contagious and exuberant. The theme gave us an insight into the evolution of Television which also showed us how humans have evolved with technology. This year, the students went a step ahead to publicize the fest across all platforms. A week prior to the fest, the students had organized a 'theme launch' in the college campus. This launch started off with a musical performed by the students which included all the domains of television ranging from daily soaps, TV series to news. This was followed by a flash mob and concluded with the unveiling of the festival banner. Post the theme launch, the fest was vigorously publicized across all social media platforms.

Being a technical college, this year the college festival went online, right from the TML website giving students all the information about the various events, to the registrations of all the participants. This helped in reducing the usage of paper and contributing to a greener environment. The three-day fest was attended by more than 2,000 students from across 30 colleges in Mumbai, who participated in more than 40 different events varying from technical to cultural. 'Lakshya' the sports festival of the college as always managed to bring the students of the entire college together. This year with the 'Lakshya Shield' up for grabs, the students of all departments were pumped up to bring glory to their branch. From events like cage football, cage cricket to volley ball, table tennis and chess, Lakshya turned out to be a huge crowd puller. With much enthusiasm this year the college introduced another sport 'Lacrosse', a contact team sport played between two teams using a small rubber ball and a long-handled stick called a lacrosse stick. This event garnered the likes and overwhelming participation from all the students.

The robotics events under 'Tatva' are always a star attraction and this year was nothing less. With an entire list of new events Tatva was a great show. Events like Racebot and Laser Tag were coupled with new events like Quarantine, a VR game and Dance Dance Revolution, an arcade game in the form of dance. The Spidercam made by the technical team was used to shoot the launch and the festival.

Dedicated to the celebration of creativity, the cultural fest 'Moksh' was taken to another level. With competitions in the field of dramatics, dance, film and photography, music, debating and creative writing, and informal events with a quirky twist, Moksh promised to be an unforgettable event. From highlight events like Group Dance, Fashion Show, Bigg Boss 3.0, Moksh Film Festival, Amrock, Mr. and Ms. TML, to events like Lan Gaming, Crossfit, Lit Hub, Treasure Hunt, have definitely upped the fun quotient of the fest. Group Dance saw a combination of western dances from hip-hop, freestyle to folk dances like Garba which were judged by Kruti Mahesh, assistant choreographer of movies like Bajirao Mastani and 13.13 crew leader Sagar Bora. Fashion show was a great success with all the teams putting across various themes with their elegant costumes.



TML Report

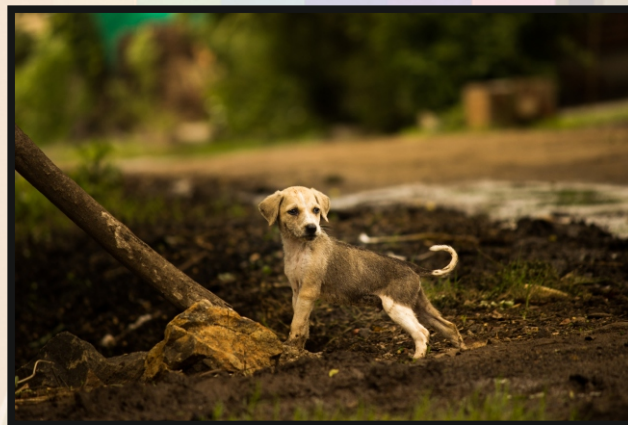
The panel of judges included Nisha Jamwal, Audrey D'Silva and Unnati Gundecha. Moksh Film Festival kept up the legacy of outstanding short films and Kamaljeet Negi, cinematographer of movies like Piku and Jolly LLB 2 graced the event. All the football enthusiasts exhibited their skills during the event Football Freestyle whereas all the Dance enthusiasts did the same during the event B-Boying. This year the festival witnessed new highlight events such as Human Foosball, Footpool and many more which were welcomed by all the students with enthusiasm.

Gravitas, the literary festival under Moksh, saw some really innovative events revolving around the festival theme. With events like Friends v/s Game of Thrones, Story Quest which was a literary treasure hunt inspired event, Pottermaniac and LitHub which had literary JAM games incorporated, all the participants were delighted to be a part of these events. This year along with Model United Nations, Cosplay was a highlight event for Gravitas. These events received astounding response from the participants as they were well organized and executed with ease. The Entrepreneurship Development Cell conducted events ranging from Land Tycoon, Dus ka Dum, Bizinga, where participants had to put into use their business minds to Make Your Fair, which gave students a platform to test their salesmanship. Their highlight event was Panel Discussion which had esteemed Panelists like Mr. Niranjana Yadav, Mr Aditya Dasgupta, Mr Sumeet who discussed on the topic 'Make in India'. Their words inspired a lot of students to take up entrepreneurship.

The 3-day extravaganza ended with the much awaited EDM Night. With DJ Ray on stage, the students danced like there was no tomorrow. The creative team put a lot of efforts in bringing life to the 3-day fest with all the decorations. They succeeded in bringing out the essence of the evolution of Television.

TML'17 was a product of all the students who worked behind the scenes right from the event heads to the coordinators and all the council members. The hard work and dedication of each member was commendable and was a building block to make this festival a grand success.

Soumya Somal
TE EXTC



Shatavarth Cheruvu
BE CE



President Speaks

Why did you want to be President of the Student Council?

It goes back to when I was in the second year and a young NSS member attending one of its meetings. The very concept of meetings and events was all new to me and I was listening to the my seniors in awe. Just then, a calm looking individual entered the room and the commotion faded. He had a certain sense of command over that group of 100 volunteers- a quality I had never seen before. This person was then the president of the student council- Shashank Krishnan. At that very moment I realized that I wanted to become like him and I wanted to know what I needed to reach his potential.

How have you seen the Student Council evolve as a Student Body?

Our main motive this year was to make sure that the council isn't seen just as an organizing committee but also as a Student Body which represents every student of the college and addresses their needs and grievances. All student chapters strived to conduct only those workshops that focussed primarily on the attributes that were required by the industry. Initiatives like GDP gave the younger batches a platform to achieve a good exposure under the esteemed guidance of the Technical team. New ideas and concepts weren't frowned upon and the constant support and relentlessness of my colleagues is what made these novel concepts successful.

Name some remarkable milestones the Student Council achieved this year

Our technical team decided to organize a Hackathon. It is a competitive arena for highly ardent developers, hackers and designers who got the opportunity to collaborate and learn with the help mentors from Facebook Development Circle and the alumni of GST, enabling them to build and showcase prototypes of their futuristic IoT projects. Another highlight of this year was TedxSIESGST. TEDx is a program of local, self-organized events that bring people together to share a TED-like experience, and we at GST were fortunate enough to acquire the license and pull off the event successfully.

Moksh Shield and Open Mic were some first time initiatives taken up by our Cultural Team which helped in encouraging individual talents as well as team spirit among the students from different departments, leading to increase in branchwise participation.

The NSS team wasn't any less. The annual marathon Dream Run organised by NSS helped to raise a noteworthy amount of Rs. 4,00,000. That's not all, in collaboration with the NGO- GOONJ they helped to make affordable sanitary napkins for women in rural areas.

Yes, our teams definitely had great vision and it gave us a tremendous boost this year, but none of this would have been possible without the guidance and clarity provided by our council-incharge Mrs. Sumitra Padmanabhan, who, in times of uncertainty and despair gave us the foresight that we needed.



President Speaks

Do you have any regrets at the end of your term?

It's not everyday that you get to work with a group of dynamic personalities who complement each other, sacrifice things for the greater good and most importantly are willing to have each other's backs no matter what. I consider myself extremely fortunate to have had the opportunity of leading this team and my only regret is that I won't be able to do the same ever again. What would you miss the most?

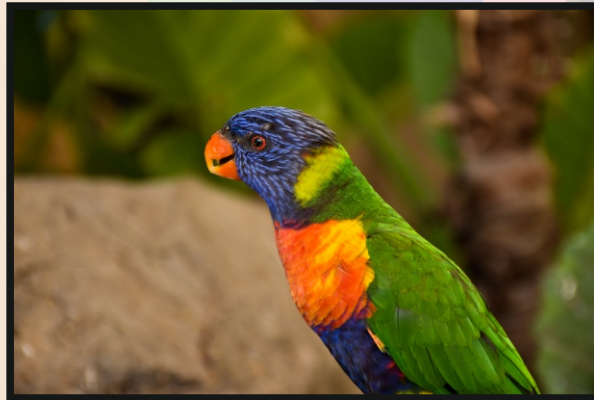
I will miss receiving a thousand messages everyday on my WhatsApp messenger. I'll miss skipping lunch for matters that needed my utmost attention; those anxious nights prior to events and wondering whether it will all work out smoothly. Even today, when someone asks me "Was taking all that stress really worth?", I reply with pleasure, "It was worth every bit."

The Student Council helped me grow as a person, it taught me how to remain level-headed during times of adversity and most importantly it taught me that hard work and perseverance never goes waste, that every failure will eventually lead to success.

असफलता एक चुनौती है, इसे वीकार करो,
या कमी रह गई, देखो और सुधार करो।
जब तक न सफल हो, नींद चनें को यागो तुम,
संघर्ष का मैदान छोड़ कर मत भागो तुम।
कुछ कये बना ह जय जय कार नहं होती,
कोशिश करने वाल क कभी हार नहं होती।

-हरवंशराय बचन

Rajat sabulal
BE EXTC



Shardul Niphade
BE ME



Just because she knew

Mother: How much do I pay you?

She: I take Rs.600 from that friend of yours. But I shall take only 500 from you.

Mother: Why? That would be so unfair.

She could not read the numbers on the calendar. She did not know which month it was. For her it was just days and nights. That is when I realized she had always been at the gate of a school; never been on the other side of it. That pale, fragile look on her face was too awful for a young girl. A little hut which she called home, an alcoholic husband and two kids whom she called family, she had to save them all. A one woman army, that is precisely what she was. And to win her everyday battle, she chose to aid other women who needed her. She could have cast all the tantrums these days maids show. But, no. The never seen before sincerity with which she worked, the energy and enthusiasm which sparkled only in her eyes and work, head held with dignity and heart full of gratitude. I had always liked her for genuinely worshipping her work and family, holding it all together so brilliantly. I still recollect that day when my mother told me about this incident. Her reply to my mother's question touched my heart and created an immense sense of respect for her.

She: Your husband is the breadwinner of your family. Unlike your friend, you do not work and are survived by two children. I can imagine how much money goes into their education. I know the kind of struggle one has to face to feed four stomachs.

Probably, that hundred rupees had zero value in our lives compared to its value in hers. That would have played the role of a thousand rupee note for her. Amazed at how a poverty drenched person could think so big! How could she? She definitely was not literate, let alone educated. Her life was far away from everything we receive easily in our daily lives. How could such a person even have such a thought?

I haven't found the answer to it yet. I don't think I am great enough to find one.

Thanks to her, that day I learnt how talented I am; because it requires special talent to have everything and still complain.



*Nikitha Warriar
BE IT*

*Abhirup Dasgupta
TE EXTC*



A closer look at data science industry and its expectations from Engineers

Data science is a multi disciplinary blend of scientific methods, processes and systems. At the core there is data, which can be structured or unstructured. Data science is the science of getting an insight to this data by extracting knowledge which can play a vital role in taking strategic business decisions. It deals with interdisciplinary fields such as statistics, information science, data mining and visualisation. Turing award winner Jim Gray has labelled data science as the "fourth paradigm" of science. According to him, data science has evolved from being empirical, theoretical and computational to being data-driven. Everything about science is changing because of the impact of information technology; it is helping business industries in creating new opportunities and growth. The last decade has seen a gradual development in technologies and analytical tools; it has made it possible for business operators to acquire numerous benefits from their data assets. Data Science is allowing enterprises to successfully leverage that potential like never before. The data scientists investigate data to find characteristics or pattern within the data; for example, industries like Amazon, Flipkart try to find the interests of a person and give recommendations based on the earlier pattern. This industry is not limited to shopping portals; scientists are moving towards domains like health, security, academics, finance and many more.

The data scientist role is to provide data warehouse solutions by extracting, transforming and loading (ETL) data. Data can be in any form, taking this raw data for analysis may take more time and lead to wrong results. Cleaning this data is a valuable process which can increase the efficiency of analysis. According to Aberdeen group "The impact of higher-quality data is most immediately evident in the quality and speed of business decisions. Organizations reporting data accuracy of over 90%, were able to put reliable information in the hands of their executives fast enough to meet demand, 80% of the time. Companies with lower than 70% data accuracy only succeeded at meeting this demand window half of the time."

Data scientists should have in-depth knowledge of database architecture, spreadsheets, BI tools with which extracted information can be centralized, protected and maintained. This maintained information is analyzed to find valuable insights such as patterns, associations and characteristics which in turn can help in taking business decisions using mining techniques such as predictions, classifications, etc.

One look at the data science industry from an engineer's perspective, there are huge job opportunities like- data analysts, data engineers, the business analyst, statisticians who organize data, visualize it and help in predictive modelling by applying various algorithms. To achieve this, one should have knowledge of languages such as C/C++, JAVA, R, Python, SQL, HIVE, Pig, Spark and should be skilled in using tools like R, Rapidminer, weka, openRefine etc. The duties of a data scientist include creating various machine learning tools and applying various automation/recommendation algorithms to get value from the data. This information helps in business decisions, leading to the growth of industries.

The substantial growth of data has led to the need to understand it which is a good news for an aspiring data scientist. Companies are in search for people who can dig into the data to give them valuable information in the form of charts, predictions and patterns which can help companies to understand their customers. There are a number of companies for whom their data is their product. In this case, the data analysis or machine learning can be pretty intense. This is probably the ideal situation for someone who has a formal mathematical and statistical background and is hoping to continue down a more academic path. Data Scientists in this setting preferably focus more on producing great data-driven products than they do in answering operational questions for the company. Companies that fall into this group could be consumer-facing companies with massive amounts of data or companies that are offering a data-based service.

The McKinsey report, published in 2013, predicted that the global business community would feel the pinch of an acute shortage of Data Science professionals for the next decade, specifically a shortage of “1.5 million analysts” skilled at deriving competitive intelligence from the vast amounts of static and dynamic (real-time) data. While such a prediction is on the verge of coming true, a greater focus on marketing the importance of Data Management to enterprises and within higher education institutions is enabling the entire industry to cope with shortages in ways that were not fully understood only till a few years ago. The upheavals within the Data Science industry will continue throughout 2017, but so will more growth and more possibility.

Pranita Mahajan
Asst. Professor,
Dept.of computer engineering.



The GST Journey

Agla Station, Nerul.
"Uncle, SIES", we said to the auto driver,
Classroom 304, hiked like a survivor.
Battled Engineering Mechanics.
Those hidden Workshop antiques.
Witnessed the first Cognition,
Vanished all engineering myths and notions.
Then came Engineering Drawing,
Followed by nonchalant senior-gazing.
Too many rooms to maze through,
First TML beats to groove to.

Pudhil Station, Nerul.
Classroom 101 was trek-free but we had
Applied Mathematics 3.
Students' Council and NSS,
The ever-agonizing ECCF.
Juniors to mess with.
Seniors to blend with.
Then came Sem 4, a fun-filled spree,
But we still had Applied Mathematics 3.
TML again, EDM night rox.
Danced all night, till the beat stopped.

Next Station, Nerul.
TE life, journals all night.
Project time, it seemed all right.
Finally got rid of M₃
Without it, life looked empty :P
TML again, witnessed with mild tears.
It was time to go, for them seniors.
Submissions took a toll,
Exams were Lol.
Projects and Vivas aplenty,
The year was full of serendipity.

Shevatche station, Nerul.
Now seniors, they call us BE.

Our last journey to all things merry.
Those Maggi breaks in the cafeteria,
to sneaking out of lectures with hysteria.
Organized the best and the last Cognition,
Set TEDxSIESGST into motion.
Danced our hearts out in the open mic,
Dream Run and TML, with stars all night.
Last Tie and Saree to slay
Took in every minute of that day.

Lived each moment and every lecture.
Cherished each minute and loved each other.
Made the best memories in the college shrine,
Can we please have it all again, for One Last Time?

Shruthi Raghavendra
BE CE



Abhishek Iyer
TE CE



Nobody Is an adult

The twenties are a strange time indeed. The onset of adulthood is never easy for anyone. The idea of taking responsibilities, of having to sit with a prim facade of maturity when the child within wants to have its share of fun, is definitely not alluring. It simply is artificial for the mind that was hopping about carelessly till yesterday.

A mask in front of everyone. A maturity check before you say anything. The need to be politically, socially and culturally correct. A need to necessarily speak only as needed even if it means bending the facts to get the motives achieved.

While at times what we say might be true, the way one says matters as an adult or as they say "a responsible adult".

The Innocence within screams at this malediction. It says, all that you say are simply a fabric of lies- Grey or white or black, lies at the end of the day are lies. However, the head disagrees. It says the art of manipulation isn't about black and white lies rather it is the magnitude of deviation from lies.

Humans are strange creatures. In fact we collectively can be honest bigots at times. The irony doesn't miss me when we coat our hypocritical views under the garb of duality; thereby tarnishing duality as well.

One primary question that comes to the reader's mind might be;

Why do we do this?

Why do we feel the need to keep another face? The one that we don't own?

Because on one side there is the responsibility of adulthood and growing up and on the other side is the complete inability to become one.

Honestly nobody really is an adult.

Which is why however stellar one might be, their near and dear ones- the ones they love the most, are also the ones with whom they would have maximum differences and verbal spars. Not because they hate them but because they know each other's fallacies. The true face behind the mask. Our closest know of our fallacies that a relative third party shouldn't know in order to maintain the chasm of adulthood. Sometimes we wish they didn't know those fallacies. We wish to be our stellar-self to them too, but we all need our vents.

Yesterday's student tasked with the job to build an industry tomorrow, the all-knowing father still silently worried if he did play the role of an ideal father. The benign, wise old, master fearing his every decision. That really strong, know-it-all,

individual on top of his/her career and life, fearing isolation and walking the thin line of heretic v/s outlier. Everyone. Every single person. None of them have grown out of their childhood. Nobody really is an adult. It is a mask. A mask that never once wants to fall off.

For if you brazenly speak the truth, your worth falls. Your transparency, your own pitfall and backbiter. Your open affections and loyalty, your cause to mockery and ridicule.

The lesser you speak the more you're solicited. The bigger your garb, the better the person you are assumed to be.

I daresay the onset of adulthood is treacherous indeed.

While I agree that it is wrong to generalize and that there could be people amongst us who are straightforward and honest to a fault, we also need to understand that life is a cold blooded teacher.

With every fright, with every betrayal, with every lost hope, we learn. We learn to put on a mask. We learn to keep to ourselves. We learn to smile artificially. We learn to protect ourselves from pitfalls and in sad cases also to dig pitfalls for the foolishly innocent. We learn to hate others. We learn to stroke our egos, to fan the fire of rumours.

But in reality, we are all little children; Scared of what life might throw at us the next moment. Unable to accept that we were victims of probability in the past.

Remember the first time we fell from the bicycle and got hurt? Well, some of us got up and tried again. Some of us never did. We blamed the bicycles and sat in the cocoon of insecurity saying the bicycle is no good. That we will someday drive the cars, the planes and the rockets but not the bicycles.

We were once betrayed, we could have been disappointed once, we could have lost our love once, we could have been mocked once. Do we get up and believe that there is a second time? Or do we say that all the world's a stage and go around lying, pitting and ruining ourselves a little bit every day. Some masks are essential. But some are dangerous. Some lies are pragmatic choices, but some destroy us in the long run.

Let us choose, the child who drove the bicycle or the child who cursed the bicycle?

Suvesha.C
TE ME



Roots

Being able to have a telephonic conversation for over an hour is a boon that every woman is born with, although it is a bane for the poor wallet! However, that doesn't stop me from making the best use of my telephone. It was a Monday and I had decided to give college a miss and remain at home. Being true to my nature - thou shall not stay idle (even to rest!) - I went to see a chick flick at the theatre that afternoon. In the evening, my friend called and with the blessings of the Jio services, we blissfully yapped to glory.

She is a very dear friend of mine and we barely have any topics unspoken about. Our conversations meandered through many topics like movies (since I had just returned from one), people, philosophies and family. After a long session of tracing and analysing the depths of the family roots in every aspect - appearance, mannerisms, health, and current status - we somehow jumped onto the topic of our ancestral homes. Being the gifted narrator that she is, she took me on a tour of her memories of her previous houses. We then concluded our talks with another ten minutes on old school values and morals.

Whether it was the movie that made me so pensive and thoughtful, or this telephone talk, I knew not, but it made me wonder about a very simple thing about adult life - Why do people completely give up on their roots to grow a pair of temporal wings? As children we are brought up with a certain set of moral values that are engraved into our little minds, which are like fresh clay bricks. However, as we grow old, these once engraved old school values are lost, only to reappear on our epitaphs! Now what happens between bricks and epitaphs?

We grow up, learning the ways of the world, rising to reach for the stars, falling down and bruising ourselves. We grow up trying to form our own beliefs, all through the experiences that we get along the way. Amidst all this, though we claim to become strong, in reality, we fall prey to shenanigans and clandestine behaviour and illicit values (often, with us being the ringmaster), making us drift away from our roots. Instead of retaining and strengthening our true essence, we become more focused on those wings that could take us miles away, which in-turn leads us to try and become someone we are not. The wings give us a flight, no doubt making life way easier, but at what cost?

Although a few out there do adapt and change for the better, I doubt any of them ever surpass their roots - their core values. For most of us, the new morals that we seem to opt for ourselves end up as a bad joke - waver at the slightest change of the wind. It is the law of nature that only the fittest survive. In today's world, being adaptable, efficient and smart is considered as a necessity. Learning from our experiences to develop an open and stronger mind is very different than setting afloat all our core values to accommodate new, dubious and sly ones. Being adaptable is a blessing but not to an extent that what remains of us, is nothing - just a hollow body.

A tree is resilient even during the harshest of storms and that is possible only if it has strong and deep roots. Likewise a person can hold his ground during crests and troughs, only if he has strong roots that will give him the ability to make the right call while in a crisis, handle prosperity and give his character the necessary charisma to set an example for all those who have forgotten their roots.

Anushree Chatterjee
TE CE



Sayat.me-because anonymous feedbacks are paramount

If Instagram wasn't already full of cat pictures and food displays, we have another infuriating addition to that list and those are feedbacks. Presenting 'Sayat.me' a revolutionary tool to get anonymous and *cough* honest feedbacks from people. This site is really useful for artists, vloggers and pretty much everyone having a social media persona to get an opinion about their work. However everyone seems to be getting on the sayat bandwagon like they did for every other trend in the past years.

Debunking the main misunderstanding, the '.me' in 'Sayat.me' is not used to imply 'write something about ME' but it is the domain name for the country where the site was originated. It started back in 2010 but took 6 years for it to gain momentum and flourish. There is not much available online on how it came to be. My thought says some stalker got fed up of making new id's to pester women and generalized the procedure by making a website for the same. It spread like wildfire in India. The tweets changed from '#Sairat' in 2016 to '#Sayat' in 2017. It didn't take long for people to create their own accounts to receive 'valuable' feedback.

One of the main reasons this took off is the dire need of people to find out their image in the society. People are linking their social media accounts with their sayat URL, secretly wishing they have an admirer or their ex would apologize (the former has a greater probability of happening). On receiving the slightest of praise they take a picture of that feedback, post it everywhere with an overwhelming comment like "...Thank you so much!!! Please text me personally whoever this is." You dim-witted creature, if he/she wanted to talk to you directly they would have! All anonymity gone down the drain.

The other side of the coin is negative feedback. A blog said 57% of teenage girls went into depression after reading hurtful comments about themselves. Let's face it, you cannot be the apple to everyone's eyes. You are bound to get hatred, abuses and rude remarks but you should be able to shrug it off your shoulder as easily.

In conclusion people's opinion should not affect or alter your personality. Just be yourself and stop thinking too much about the judgemental beings around you. Always remember it all comes down to "Kuch to log kahenge ...Logon ka kaam hai kehna." If you still want an honest opinions about yourself, ask your mom ...she is the best judge of your character and no other feedback can be more genuine.



Kartik Rajesh
SE CE

Shreyas Menon
FE E



The Biotechnology Chronicles

A very common response is received when the word 'Biotechnology' is uttered; firstly eyebrows are raised, then the person pursuing a degree in this field is appreciated for choosing something offbeat and eventually they say, "I don't see this discipline making much progress." So as this article proceeds, we take a look at the history and what the future puts forth for this branch of science which might just be a blessing in disguise for many global crisis like climate change, waste disposal, loss of biodiversity, deforestation and what not. With movies showcasing only the downside of using genetic engineering, having complete knowledge of how beneficial it is along with the harms it poses is essential.

Biotechnology is a vast field with infinite number of possibilities and discoveries being made each day. The advanced technologies which it encapsulates are Genetic Engineering, Enzyme production, Food Technology, Vaccine development, Biophysics, Bioinformatics, Biochemical Engineering and each of these have endless research opportunities with new inventions made to ease human existence. The earliest biotechnology, however, was the selective breeding of plants and animals to improve their food value. This was followed in time by the use of yeast to make bread, wine and beer. It is doubtful that the first biotechnologists understood the effects of their actions, and so the reason for their persistence in pursuing selective breeding over the hundreds of generations necessary to show much advantage in food value, remains somewhat of a mystery. During the time of Charles Darwin (1809–1882), plant and animal breeders were deliberate and highly successful in applying techniques of selective breeding to achieve specific, intended results. Darwin's theory of evolution is built on his observation of the ability of animal breeders to modify species. Darwin proposed his theory of natural selection, which of course, led to a profound shift in human consciousness about the fluidity of life, which in turn fueled modern biotechnology and its view that life may be improved. The discovery in 1953 of the structure of DNA by Francis Crick and James Watson is, but one key step in the history of molecular biology. Within two decades, this discovery opened the pathway to the knowledge of the so called genetic alphabet or code of chemical bases that carry genetic information, an understanding of the relationship between that code and the proteins that result from it, and the ability to modify these structures and processes which further evolved into genetic engineering. Developments in cloning and in the science and technology of stem cells offer additional tools for biotechnology. In popular understanding, cloning is usually seen as a technique of reproduction. The birth of Dolly, the cloned sheep, announced in 1997, was a surprising achievement that suggests that any mammal, including human beings, can be created from a cell taken from a previously existing individual.

Of particular interest is the joining of the nuclear transfer technique with the use of embryonic stem cells to treat human disease. These cells show promise for treating many diseases. Once derived, they seem to be capable of being cultured indefinitely, dividing and doubling in number about every thirty hours. There are two advantages in using these sources. First, no embryos are destroyed in deriving these cells. Second, the use of stem cells from sources other than an embryo may mean that in time, medical researchers will learn how to derive healing cells from the patient's own body. The advantage here is that these cells, when implanted, will not be rejected by the patient's immune system.



The Biotechnology Chronicles

Biotechnology has produced genetically modified microorganisms for purposes ranging from toxic waste clean-up to the production of medicine. By inserting a human gene into a bacterium that is grown in bulk, biotechnology is able to create a living factory of organisms that have been engineered to make a specific human protein. Such technologies may also be used to enhance the virulence of organisms, to create weapons for bioterrorism, or to look for means of defense against such weapons. Plants, perhaps the first organisms modified by the earliest biotechnology, remain the subject of intense efforts. Some attention is given to plants for pharmaceutical purposes, like the discovery of plantibodies which are antibodies of humans infused into plants, so that they serve to produce antibodies as their products, while using it themselves to improve their immunity. But the primary interest of biotechnology in plants is to improve their value and efficiency as sources of food. For instance, attempts have been made to increase the protein value of plants like rice. The dependency of farm plants on fertilizers and pesticides may also be reduced using biotechnology to engineer plants that, for instance, are resistant to certain insects. Animals are also modified by biotechnology, and this raises additional concerns for animal welfare. This is where bioethics comes into picture and opposition from the society is witnessed regarding modification of animals and their use for testing various technologies which usually involve a change in the animal germline that might be harmful for their existence. All this raises concern about what some see as the commodification of life, the creation of unnecessary suffering for the animals, and a reductionistic attitude toward nature that sees animals as nothing but raw materials that may be reshaped according to human interest.

There is no reason, however, to think that biotechnology has reached the limits of its powers. In time, researchers will develop powerful new methods for modifying DNA, probably with far higher precision and effectiveness than the current techniques allow, and perhaps with the ability to transfer large amounts of DNA into living cells and organisms. Computer power continues to grow, along with developments such as the so-called gene chip, using DNA as an integrated part of the computing device. Advances in engineering at a very small scale, known as nanotechnology suggest that molecular scale devices may someday be used to modify biological functions at the molecular level. For instance, nanotechnology devices in quantity may be inserted into the human body to enter cells, where they might modify DNA or other molecules. In another area of research, scientists are exploring the possibility that DNA itself may be used as a computer or a data storage device. DNA is capable of storing information more efficiently than current storage media, and it may be possible to exploit this capacity. It is impossible to predict when new techniques will be developed or what powers they will bring. It is clear, however, that new techniques will be found and that they will converge in their effectiveness to modify life. Some warn that saying yes to biotechnology now will make it impossible to say no in the future while others suggest that the progress in biotechnology will just benefit human existence, but only future advancements can tell us whether to adapt to it or to stray away from it.

Ketaki Yelgaonkar
TE BT



Marathi Tales

1. कागदावरची ४ अक्षरे, आजच्या काळी भविष्य ठरवतात..
नापास झालेल्या विद्यार्थ्यांच्या, नशीबी रडू आणतात..

मंद असली मुले तरी, कला ही सर्वात असतेच...
'वारा' ही कधी मंद धावतो; पण जीवाला त्याची गरज असतेच....

2. पावसाचा काही पत्ता नव्हता.
पाण्याची टंचाई काही संपेना.
शेत सारे वाळवंटासारखे निर्जीव..
आत्महत्या हाच त्याला मुक्तीचा मार्ग दिसत होता.

आयुष्याला त्याच्या, 'अर्थ' देणारी ही पिके, आज त्याच्या अंताच कारण झाली.

3. "आई, आज पाणीपुरी कर ना."
"सूनबाई, पिठलं भाकर खायची ईच्छा झाली आहे."
"अगं, आज तू आमरस करणार होतीस ना?"
"वहीनी, आच तुमच्या हातची पुरणपोळी होऊन जाउद्या."

ह्या जनतेची तीव्र मागणी फक्त आईची सरकारच पूर्ण करू शकली अस्ती..

4. २०००: "आई, उद्या सकाळी ७ ला उठवा मला नक्की. क्रिकेट मॉच आहे."

२०१६: "OK Google, set an alarm for tomorrow's 7am meeting."

वय वाढले, तंत्रज्ञान प्रगत झाले. आईची ती सकाळची गोड हाक मात्र हा 'स्मार्टफोन'
पुनर्स्थित करू शकला नाही.

5. "बाबा, आता हा जुना शर्ट फेकून द्या हो. अजून किती दिवस हे चार कपडे घालणार?"

"अंधरूण बघून पाय पसरावे, बाळा.'
फरक ईतकाच, तूमचे मोठे आणि माझे लहान." बाबा म्हणाले.

6. कोटी कोटी लोकांच्या ईच्छा, शेकडो कोटी लोकांचे केलेले नवस.
अबजोपती होणार इतकी पैश्यांची लाच, लाखभर लोकं जेवतील इतका नैवेद्य.
मनापासून श्रद्धा आणि प्रेम
'शून्य'

Vishal Dubey



Poems

Electronic Crossroads

We're almost there at the electronic crossroads,
Crossing which, we'll only be connected by wireless nodes.
4 years ago, we came in like baseband signals,
Blessed with different talents and skills, we had different goals,
Wanting our voices to be heard across the worlds,
Where we lacked was that power in our pulse.
In the course of time that passed,
We experienced multiple interferences fast.
But most of them being constructive ones,
Every moment together seemed fun.
What we did not see is what happened to us.
We got modulated with different schemes and techniques.
Powerful enough to seize the moment, today that's us.
Looking back and feeling the change, it's almost magique.
Today in a world where data is more important than voice,
We're data packets with headers and trailers on our shoulders,
Ready to be transmitted through a medium full of noise,
Remember today we have the strength to propagate through rocks and boulders.
We'll find our way to the client's through unfixed paths,
The unreliability of UDP may play its part.
But we'll reach to the world and help in progress.
Hope we stay blessed and there's only transmission success.
We're almost there at the electronic crossroads,
Crossing which we will only be connected by wireless nodes.

Sairam Udayshankar
BE EXTC

A Tavern Folklore

At dark, knights mustered in a tavern,
Pints of ale began to rumble in cheers.
Fiddlers fiddled the songs of bier carried peers,
Veering into an echo of a Cavern.

Sobriety was what they claimed to have governed them,
But rum spoke better than that.
Tales began to rupture into warrior's hearts
Shrieking like a dying troll.

Hungry wolves howling, owls hooting
Outside illuminated windows their silhouettes hiding.
The hearth was watered and tables were shattered
Silence grew and ravens flew like being enchanted.

Oaths sworn in blood and mead
Crosses raised in utter creed
Demented the living souls were
For the dawn shall be their rejuvenation.

Rajiv Iyer
SE EXTC

निरोप

जीवनाच्या या वाटेवर
अशी एखादी व्यक्ती भेटावी
अनोळख्याशा या पांढऱ्या गर्दीत
ती हवीहवीशी वाटावी
गुरफटलेल्या वेड्या मनाला
तिने चाकोरीतुन बाहेर काढावं
वाटलच मन कधी मोकळं करावस
तर निर्विवादपणे ऐकून घ्यावं
कधी प्रेमळ तर कधी कठोर शब्दांत
तिने आपला उपदेश करावा
कळत-नकळत या वेड्या मनाला
हळूच तिचा लळा लागावा
अन् निरोप घेताना त्या व्यक्तीचा
क्षणात डोळ्यातून अश्रू ओघळावा

Rutuja Nighot
SE CE



॥ बस अब हम चलते हैं ॥

आखरी बात, आखरी स्वर
एक आखरी हाथ, आखरी सर |
आखरी अनमोल दृश्य,
आखरी दफा में शिष्य |
आखरी पल, आखरी सहल,
आखिर आखरी मेरी गज़ल |
आखरी बार कहता है दोस्तों
बस, अब हम चलते हैं |

आखरी बातें, आखरी हसी
आखरी राते, आखरी आपसी
आखरी बार का लिखना,
आखरी बार का सीखना,
आखरी बार शायद सिखाना |
एक आखरी बार उत्तर दिखाना |
आखरी बार इस घर से बात कर,
बस, अब हम चलते हैं |

आखरी दफा कविता दोहराना,
आखरी बार का शायद सराहना |
आखरी बार तुम सब का मिलना,
आखरी बार गले लगाना |
सिसक सिसक के रोना आखिर,
इन यादों को झोले में सिंचकर,
आखिर पर्याई कहता हूं,
बस, अब हम चलते हैं |

*Tushar Pande
BE EXTC*

हर बार |

हर साल एक साल खतम होगा |
पर यह साल कुछ खास है,
तू जो मेरे साथ है |
बस अब कुछ भी खतम ना हो,
और कुछ नया हो, तो सिर्फ तेरे साथ हो ||

हर दिन एक सूरज होगा |
हर रात एक अलग चांद होगा |
इस काली रात में, जब भी मैं एक सितारा बनू, तेरे साथ ही
चमकू |

वरना ये चांद मुझे मुबारक नहीं,
क्योंकि तेरे बिना एक पल भी हमारा नहीं ||

हर बोली में एक शब्द नया होगा |
हर सोच में एक ज़िक्र तेरा होगा |
वैसे तो इस दुनिया में गानों की कमी नहीं,
पर तेरे लिए दिल से निकली हुई हर बात,
किसी सुरीली सरगम से कम भी नहीं ||

हर कुछ सिखाया है तूने,
बहुत कुछ सीखना बाकी है |
इस कठोर जिंदगी की राह में,
चलना तो मुश्किल है,
पर इन रास्तों पे नक्शा अदा भी,
तेरा ही होना है ||

*Gagan Shetty
BE EXTC*



Poems

Stepping into future

Every new day, a we ray wake thee up,
New hope and faith fills the heart,
Eyes search for happiness,
Mind does its trick and sets the step ahead.
Stepping into the future,
The future of heaven,
The future of grace,
The future if evolution and new beginning.

Future of future collides,
The glossy beams sparks out,
Lights up the whole town,
Sometimes a whole life,
Sometimes for a moment,
So let's step into future.

Ruthless for wishing upon a broken star,
Because its dead by million light years.
The fear always lies within,
Which is just the a absence of belief.
They teach you about the light and heat,
Never by cold and dark.
Thou shall not lose anything being optimistic.

Key to the treasure chest,
Resides within you.
For stepping into future,
Peek into the pallets and look around.
The future is already set awaiting you,
Help yourself to absorb all the gifts it holds.
Because the grass is greener on your side too,
My friend....

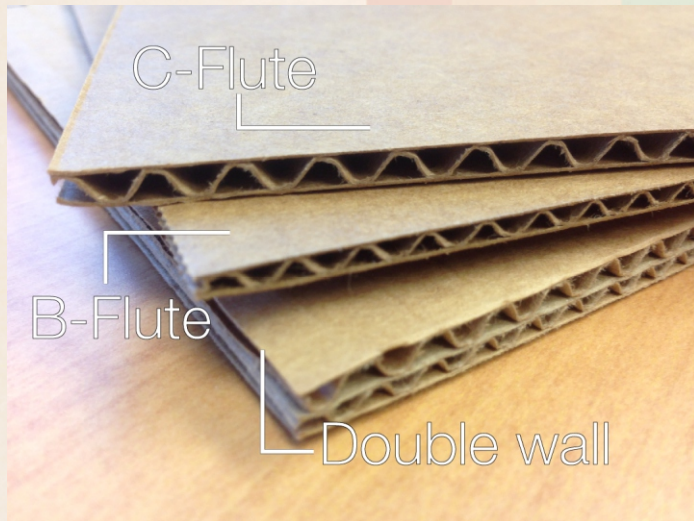
*E. Bhavya Priya
TE EXTC*



PACKAGING SYSTEMS IN DEVELOPED AND DEVELOPING COUNTRIES

The packaging systems in a developed country like the United States and a developing country like India have a wide range of differences. Each and every aspect of a developing country affects the packaging system in place. Because of high pressure on the natural resources owing to a huge population, scarcity in raw material is encountered. Also, the quality of raw materials suffers compared to that used in the highly industrialized countries.

For e.g.: A developed country may use a 3 – ply corrugated box with high quality liners and flute or a high quality paperboard for a packaging application, whereas a developing country may use a low quality 5 – ply CFB for the same application.



Because of product manufacturing in high numbers, a developing country uses a low quality packaging material to reach its consumer (common man). It is common to see a low investment made in the packaging technology in India, compared to countries like US, Switzerland, etc. Another factor is that the manufacturing area in a developing country is very unorganised and low quality manufacturing is achieved at very low costs. Also, the rules, regulations, environmental laws, etc. are not strictly adhered to in such developing countries, as the domestic market

comprises majority of people who are poor and illiterate. Hardly any importance is given to the development of packaging system, raw materials and research & development.

In most developing countries, it is difficult to achieve reasonable productivity with existing machinery, which is often in poor condition. It is also difficult to find simple, reliable, low-speed machines in the market. Unfortunately, the solution to shortages of certain packaging is often thought to lie in construction of a new factory, with consequent financial commitments, whereas a better remedy might be to improve productivity at an existing installation. In cases where investment in new machinery has been made, it is often operated at very low productivity rates. In a developing country like India, new and improved packaging machineries / technologies are imported from countries like Germany, Italy and the US which are pioneers in the field. However, today, there are very few Indian companies which are successful in manufacturing high quality machines.

The current market is aimed at shopping in a limited period of time. This has led to a rapid growth of self-service shops, supermarkets and packages selling the product on their own. The packaging has become the sole seller of a product which communicates in the form of a marketing message in its visual form, even to the customer who was disinterested initially. Because of lack of money, developing countries are not able to organize giant promotional campaigns during export and this leaves no alternative but to make a sinking appearance on the shelves of the stores. To make an appealing appearance, a developing country is required to apply high standards of packaging and design.



PACKAGING SYSTEMS IN DEVELOPED AND DEVELOPING COUNTRIES

Exporting to developed countries – A Huge Problem

:

Various reasons:

- (i) General lack of information about importing country's regulations and practices
- (ii) Lack of knowledge about sources of such information.
- (iii) Difficulties in keeping acquired information up to date.
- (iv) Language problems.
- (v) Practical difficulties in correspondence, mail service, lack of telex and photocopying facilities, etc.
- (vi) High packaging material prices and printing costs.
- (vii) Technical difficulties in meeting specifications for packaging required in target markets.

One of the most important problems faced by almost all exporters in developing countries is lack of information about laws, regulations and standards which affects packaging in target markets, particularly in industrialised countries. Some European countries have created specific environmental standards and rules for packaging materials such as CE marking, RoHS, etc. to name a few, which are naturally based on the criteria of industrialized economies. The complexity of such regulations, the variations from one country to another and constant changes and additions make it difficult for producers and exporters to keep themselves informed about the regulations applying to the design and construction of their export packages. This lack of information can lead to serious consequences such as rejection of export shipments, non-acceptance of products by foreign distributors and a damaged sales image among final consumers.

Up to a point, it is easy to balance supply and demand for packaging in developing countries to ensure that domestic quality requirements are met. Soon, however, and often in the early stages of a country's economic development, products must be exported to balance foreign trade. When this happens, packaging quality requirements must suddenly rise to new, high, levels. People involved in package planning seem to have great difficulty in assessing the difference between domestic and export packaging design. This may be attributed to ignorance about the needs of their customers abroad.



Many developing countries have centuries of experience in exporting their basic commodities such as rubber, coffee, spices, rice, sugar, cotton, mangoes or bananas. Business contracts have been established generations ago, information exchange is good and no major problems are likely. However, even in this sector, the rapid changes that are taking place in packaging technology, handling methods and distribution systems may pose new and difficult problems even for well established exporters. A recent case is of the ban on exporting of Alphonso Mangoes by the European Union in 2014, which was later revoked after 7 months. Another case was the search for an alternative to the traditional plywood chest for bulk packaging of tea. This packaging method, originally intended for shipments in the famous tea clippers has become outmoded as more tea exports are shipped in freight containers. A move



PACKAGING SYSTEMS IN DEVELOPED AND DEVELOPING COUNTRIES

to change from the plywood chest to paper packaging had major technical and economic consequences in Sri Lanka, necessitating investment in a full scale paper sack factory in that country.

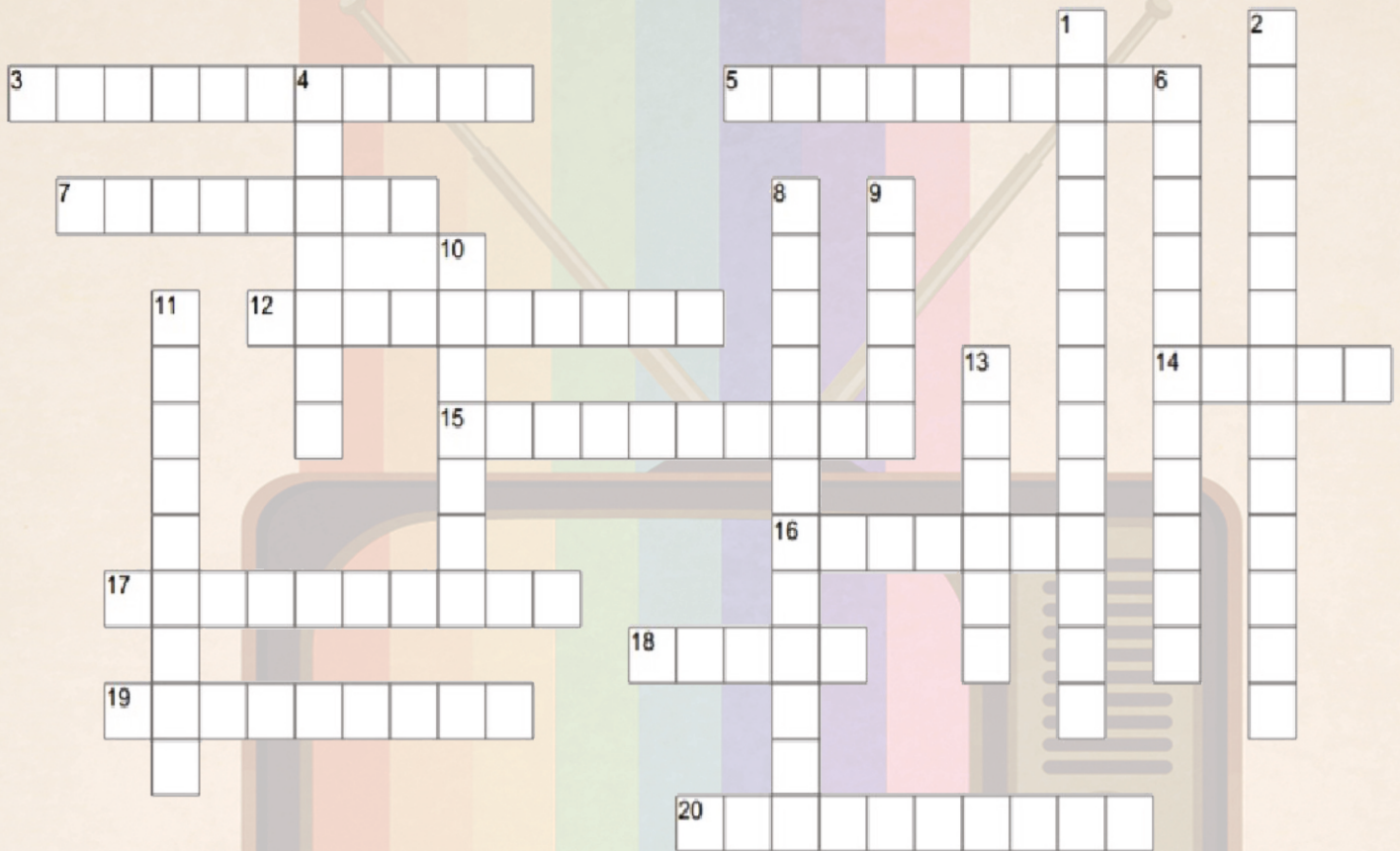
As long as developing countries continue to supply the world markets with basic commodities and raw materials packed in bulk, such as sugar, tea, spices and even fresh fruit and vegetables, compliance with existing regulations and standard specifications may be fairly easy. Sudden changes in these, however, usually bring about severe technical and economic consequences for exporters in developing countries. It is therefore up to the government and leading organizations in the developing countries to bring in the standardization and ethics in the packaging sector to help keep up with the international demand, competition and the developed world.

*Prasad B. Iyer
Head Of Department
Internship & ISO QMS Coordinator,
Dept. of Printing & Packaging Technology.*



The GST Search

SINGERS CROSSWORD PUZZLE



DOWN

- 1. Hold It Against Me
- 2. Dance Again
- 4. Hips Don't Lie
- 6. A Year Without Rain
- 8. Baby
- 9. Headlines
- 10. Diamonds
- 11. Firework
- 13. Not Afraid

ACROSS

- 3. We Are Never Ever Getting Back Together
- 5. We Can't Stop
- 7. Bad Romance
- 12. Super Bass
- 14. Someone Like You
- 15. Wont Go Home Without You
- 16. Halo
- 17. Heart Attack
- 18. DJ Got Us Fallin' In Love
- 19. Grenade
- 20. Forever



The GST Search

Engineering Tip #17

Best advice during Viva:

If you can't convince them

CONFUSE THEM

VIA DOJOKE.COM

SUDOKU

Fill in the box so that every row across and every column down & every 3 by 3 box contains numbers 1 to 9

								2
						9	4	
		3						5
	9	2	3		5		7	4
8	4							
	6	7		9	8			
			7		6			
			9				2	
4		8	5			3	6	

When food the only thing in your life
that hasn't done you wrong.



Someone just called
me **NORMAL**...

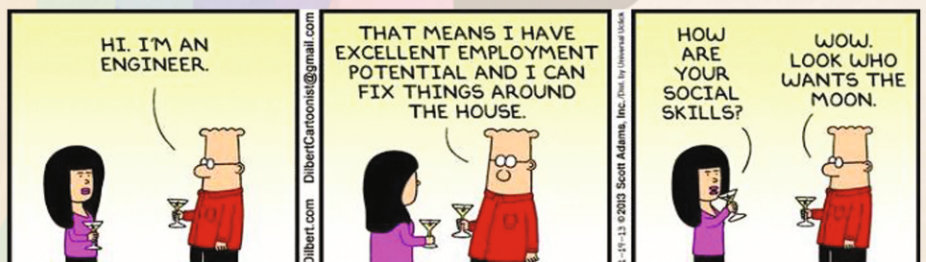
I have never
been so
insulted in
my entire life...



ALPHATRIANGLE

Beginning at the top move towards the bottom seven-letter word by adding a letter at each step and rearranging. A correct and different word must be made at each step answering to the clue given.

- 1.North on the compass 2.Nickel for the chemist
3.Brooch 4.Year 5.Age 6.Express discontent
7.Peeping



Student Council



Technical Team



Cultural Team



Marketing Team



Publicity Team



Media Team



Sports Team



Student Council



Literary Team



Design Team



Security Team



Social Media Team



PR Team



Creative Team



Other Teams



Aagmi



Aarambh



Turbocrafters



TEDxSIESGST



NSS



Music Club



Sports Teams



Cricket



Basketball-Boys



Football



Volleyball



Kabaddi



Basketball-Girls





Top Row : Anant , Sanjeev , Abhijit , Ratheesh.

Second Row : Sonia , Sumit , Aditi, Kaustubh, Shubham ,Priyankshu , Nikhit , Viraj , Aditya , Vivek , Shardul, Manu , Shakthi, Anshul, Akshay, Sunny, Monesh , Ajinkya , Ajitem , Razin , Aniket, Prasad, Aditya ,Saikarthik , Aishwarya , Nisheet .

Third Row : Namita, Dipriya, Divyata , Raj , Sameeksha, Tanuja, Samiksha, Ankita, Aditya , Ashish, Soumya, Siddhi, Suvesha , Anirudh, Arunkumar, Abhirup, Adarsh, Abhinav, Shailesh, Anish, Gokulnath, Anushree, Nivedita.

Fourth Row : Aarzoo, Swathi, Aparna, Mayuri, Sudipto, Samyak, Shivam, Chinmay, Aniket, Sumedha, Utkarsh, Harish, Arijun, Aishwarya, Rajat, Yogesh, Sachin, Chaitanya, Varun, Anurag, Akshay Shravya.

Fifth Row : Nisha, Ridima, Rashi, Harikrishnan, Gagan, Tushar, Soumya, Shikha, Rohit, Swaraj, Ruchi, Navpinder, Sudarshan, Sneha, Vinita, Pranitha, Sheetal, Ketaki, Shruthi, Shivpriya.

Sixth Row: Vignesh, Rajat, Mr Bhagesh, Mr Praveen, Mrs Vijayalakshmi, Dr Vikram S Patil, Mrs Sumitra P, Mr Mahesh B, Abhishek Iyer, Shatavarth, Varun, Surya , Zareen.