

Bhartiya Vidya Bhavan's

**SARDAR PATEL COLLEGE OF ENGINEERING'S**

# DISHA

## 2017

LIFE IS  
**UBIQUITOUS,**  
**AIM** TO SEEK OUT  
**AIM** EXPERIENCES  
THAT *Invigorate* IT.

# INVIGORATE

“

*‘The Last Leaf’ by O. Henry paints a poignant picture of a young artist languishing in the throes of pneumonia and talks of her weakening will to live. Johnsy, our fading protagonist, entrusts her life to the falling leaves of an ivy vine growing outside her window. Caught in the daze of her illness, Johnsy soon comes to believe that the falling leaves prophesize her imminent death and she fancies that she is destined to succumb to her sickness when the last leaf falls.*

*The last leaf however braves storms, it braves wailing winds and it braves cold harsh nights. The last leaf holds on to dear life with a tenacity that astonishes Johnsy. Her astonishment soon gives way to overwhelming emotion as, drawing on the resolve of that clinging leaf, she regains her will to live and recovers from her illness. The last leaf is a masterpiece in more ways than one, **invigorating** Johnsy in an almost literal sense, giving her hope against hope to survive.*

*‘The Last Leaf’ by O. Henry speaks of the light that shines through even the darkest of storms and by employing the central motif of the leaf on the front cover of **DISHA** magazine, we hope to **invigorate** you much like the persistence of the last leaf invigorated Johnsy’s will to live.*

”



Bharatiya Vidya Bhavan's

**SARDAR PATEL**



**COLLEGE OF ENGINEERING**

*presents*



**INVIGORATE**

Disclaimer: All the views expressed in the articles and poems in the magazine are the opinions of their individual writers and not of the institution. The institution does not hold any responsibility regarding any matter written by the students.



**Shri Sardar Patel**



**Shri Kulpati  
Dr.K.M.Munshi**

## VISION

Sardar Patel College of Engineering (SPCE) aspires to be an institution of national repute that will create professionals with competence and motivate research for the progress of the nation.

## MISSION

- To impart quality education through time relevant curriculum in academic programs
- To enhance career opportunities for students through industry institute interaction and value added courses
- To promote excellence by encouraging innovative ideas and lateral thinking
- To inculcate sense of discipline and responsibility towards society

# Foreword

“Close your eyes and turn your face into the wind.  
Feel it sweep along your skin in an invisible ocean of exultation.  
Suddenly, you know you are alive.”

It is with immense pride that we present to you DISHA 17. DISHA serves to give expression to the budding artists, poets and wordsmiths that lie within each of us, yearning to break free. With words, brushstrokes, scratches, notes, we try to reproduce that one epiphany into a physical form, attempting to catch lightning in a bottle, striving to catch something fleeting, and recording it for posterity.

DISHA returns in its 36th edition, revolving around the central theme – Invigorate. Art courses through you like the water of a river after a storm, filling you and emptying you all at once, it revivifies closed windows, resuscitates dormant senses. It reinvigorates the soul.

DISHA, 2016-17, breaks the mould, in that, whilst operating within the traditional guidelines it stands for, it makes a foray into the digital world with the introduction of the magazine website: [www.dishamagazine.in](http://www.dishamagazine.in). Furthermore, with the inclusion of vibrant illustrations accompanying the various articles, DISHA 17, taking a leaf out of the pages of its predecessors, hopes to provide a glimpse into the workings of minds of its many authors.

We're extremely thankful to the Principal, Dr. P. H. Sawant, and Vice Principal Dr. M.M. Murudi for their encouragement. Our utmost gratitude to Dr. Shyamlee Solanki, Chairperson, Student's Welfare Committee, and all the members, for being constant pillars of support and encouragement. We would also take this opportunity to thank the Magazine team for their dedicated work throughout the year, and our friends, for their expertise and timely help, without which, all this would have been but a pipe dream.

Art exists to make us who we are and without further ado, we dive headfirst into that infinite pool of creativity and craftsmanship, skill and artistry that is DISHA.

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## From the Pricipal's Desk

Sardar Patel College of Engineering (SPCE) under the management of Bharatiya Vidya Bhavan's, was established in 1962 to meet the growing demand for engineering talent. SPCE became autonomous in 2010 and is able to frame curriculum as per the requirements of all stakeholders.

The college is one of the 192 institutes in India and 17 institutes in Maharashtra, selected for Technical Education Quality Improvement Programme (TEQIP) I and II for transformation of the talented education system. Due to outstanding performance in implementation of TEQIP, the college has received additional grant from TEQUIP II. The college has established 'Center for Continuing Education' under TEQIP to transform teaching and learning process by conducting various courses and workshops for faculty, support staff and students.

Through implementation of these programs, the institute has

emerged as one of the top colleges in India in transforming education system. Acknowledging the effort of the college, SPCE is likely to be mentor institute for developing other weak institutes from other states of country in TEQIP III.

The transformation plan also has contributed in overall development of students. SPCE students have achieved academic excellence and have also won prizes in National level competitions. Students also have showcased their talent in organizing various technical and social events such as Spectra, Space, Annual Debate Competition, Spirit etc. Students are also playing a vital role in various government schemes such as Unnat Bharat Abhiyan (UBA), and Unnat Maharashtra Abhiyan (UMA) acting as enablers to execute project objectives.



# Annual Report

I am pleased to present the 55<sup>th</sup> Annual Report of the Institute. The Institute has started in 1962 and has now completed 55 years. It has been granted autonomous status by UCG in June 2010. This report presents summary of activities at the institute since the previous year.

## Academic Achievements

**Ph.D. Enrolments and Awards:** As of the year 2016-17, 53 Ph.D students are enrolled in the Institute, in Civil and Mechanical departments. 2 Ph.D were awarded to Civil Engineering students, while 1 to Mechanical Engineering student.

**Students' Result Analysis:** The results of UG students in 2015-16 are very much encouraging with a 100% in Mechanical. The first-year PG Students' results in 2015-16 are also very encouraging with a maximum of 88.9% pass percentage in both Construction and Thermal Engineering.

**Special Achievement:** Mr. Asif Hasan, final year B.Tech. (Mechanical) student secured All India FIRST Rank in GATE 2017 (ME) examination.

**1. Students' Placements:** The UG students' placement record for the year 2015-16 is also very impressive with 100% in Electrical. The highest salary offered is Rs. 7 Lakhs per annum and the average salary offer is Rs. 4.25 Lakhs per annum. The PG students' placement record for the year 2015-16 is also very impressive. The highest salary offered is Rs. 8 Lakhs per annum and the average salary offer is Rs. 5.25 Lakhs per annum.

## 2. Students' achievements

**Civil Engineering Department:** Shambhavi Mishra and Pranali Kharde secured 329 in GRE while Mr. Shubham Bhaisare got 57 marks in GATE. Number of paper publications touched 10, including M.Tech and B.Tech students.

**Mechanical Engineering Department:** Mr. Asif Hasan, final year B.Tech. (Mechanical) student secured **All India FIRST Rank in GATE 2017** (ME) examination while Mr. Vipul Ahuja secured AIR 544 at GATE 2016. Madhura Yeligeri scored 325 in GRE, whereas Ekta Narvekar secured a percentile of 97.08 in CAT. Along with it, M.Tech students published 14 papers. Students participated in numerous events, such as **SAEINDIA SUPRA 2016** and won the '**Go-Green**' award. **Go-Kart** team stood 10<sup>th</sup> in International Go-Kart competition. The ROBOCON team achieved 16th position. Team SPCE ISHRAE has stood first among 19 colleges in Mumbai and qualified for zonal level of Aquest ISHRAE quiz competition 2017.

**Electrical Engineering Department:** A total of 8 students qualified for GATE. The total number of publications by students was 13. 5 students opted for higher education in institutes like IIM and IISC. Our students, Neha Akode, Kshitija Kulkarni, Shivgovind Gupta and Prathamesh Mokhal, Dhanashree Parab(MED), were the winners of NICE('Nurturing Intelligence for Curious Engineers') held in Sept, 2016. SPCE team participated in ROBOCON competition and secured position in top 16 teams.

## 3. Faculty Achievements:

### Qualification Upgradation

The following faculties have been awarded Ph.D degree:

- Dr. A.N. Ghadge has been awarded Ph.D. Degree in Civil Engineering by IIT, Kharagpur.
- Dr. Reshma R. Raskar has been awarded Ph.D. Degree in Civil Engineering by IIT, Bombay.
- Dr. B.B. Pimple from Electrical Engineering Department has been awarded PhD Degree from IIT Bombay.
- Dr. Anupa Sabnis from Electrical Department has been awarded PhD Degree from IIT Bombay.
- Dr. Sangeeta Daigade from Electrical Department has been awarded Ph. D. degree from IIT Bombay.

The number of papers published touched 20 in Civil, 13 in Electrical and 30 in Mechanical and 1 in Structures. A total of 7 short-term courses for faculty were conducted in Civil, while 5 in Mechanical and 3 in Electrical and 7 in Structures. And attended 13, 13, 11 and 35 workshops/seminars in Civil, Mechanical, Electrical and Structures respectively. A total of 68 guest lectures were organized, while 12 training programs were conducted for students. With an emphasis on practical activities, a total of 18 industry visits were organized.

## Other Achievements:

**Civil Engineering Department:** The department has completed projects under UBA/UMA initiative and introduced 1 course on Development Engineering. Under UBA/UMA, SPCE has been allotted work of Thane district and working for nine villages in Bhivandi and Kalyan Cluster with Dr. A. R. Kambekar as the coordinator.

## International Visits by Faculty

- Dr. Ajaykumar Kambekar, presented a paper at the ICCGE, 2016, 18<sup>th</sup> International Conference at Vienna Austria during June, 16-17, 2016.
- Dr Prashant P. Nagrale presented a paper at International Conference in Advances in Civil, Environmental, and Materials Research (ACEM-16)” at Jeju Island South Korea during in August, 2016.
- Prof Reshma Raskar Phule, presented a paper at the 5th International Conference on Geotechnical and Geophysical Site Characterization (ISC’5) held at Queensland, Australia during 5-9 September 2016.
- Dr. Hansa Jeswani presented paper on 15th September 2016 and chaired a session on 14th September 2016 on Nutrient Removal from Wastewater in 13th IWA conference on Small wastewater plant in Athens, Greece.
- Other achievements:
- Prof. A. R. Kambekar has chaired the session at ICCGE, 2016, at Vienna Austria, June 16-17, 2016. Dr. Kambekar is also referee to several international journals and is member of editorial board for two journals.

## Electrical Engineering Department:

### • Courses conducted

- \* Dr. Sangeeta Daingade conducted value added course on “Programmable Logic Controller and its applications” for second year B.Tech (Electrical) students.
- \* Dr. Sangeeta Daingade and Dr. Anupa Sabnis conducted a course on “Basics of MATLAB and Simulink” for first year B.Tech (Electrical) students.
- \* A three days Demo/training Program in RENEWABLE ENERGY LAB was conducted for Teaching Faculty EED & MED from the subject area RES.

## Mechanical Engineering Department:

Dr. R. S Maurya has received grant for Rs. 15.34 Lakhs for a research project from RGSTC, Govt. of Maharashtra.

Dr. Kiran Suresh Bhole has received a **grant of Rs 20 Lakhs** from Science and Engineering Research Board of Department of Science and Technology, Government of India for his research.

- **New Industrial Valve** experimental testing facility has been developed to characterize industrial instrumentation Valves by M.Tech. students Mr. Romil Khowal and Mr. Akshay Ravande under guidance of Prof. D. N. Jadhav, MED and Dr. Tansen Chaudhary, Fluid Controls, Pune.
- **UMA/UBA projects:** The department is actively participating in Unnat Maharashtra Abhiyan (UMA) / Unnat Bharat Abhiyan (UBA).
- **Naval Material Research Laboratory (NMRL) project:** Preliminary discussions are carried out with Naval Material Research Laboratory (NMRL), Amarnath, for allocating research projects to M.Tech. students.
- **MOU with Imaginarium:** Imaginarium, Mumbai, is the India’s largest rapid prototyping and rapid manufacturing center. MoU has been signed between Imaginarium, Mumbai, and Mechanical Engineering Department, SPCE.
- **Smart Product Competition:** Department has initiated “Build a Smart Product Competition” for Semester III and V students in August 2016.
- **Introduction of Value Added Courses in curriculum:** Department has introduced 2 new value added courses for S.Y.B.Tech.(Mechanical) students: (i) Internet of Things (IOT) and (ii) Introduction to Composite Material Technology.

## Structural Engineering Department:

- Dr. M.M.Murudi, Prof. of Structural Engineering Department has been nominated as a Member of Heritage Conservation Committee by Government of Maharashtra for the period of 3 years.

- Dr. M.M.Murudi, Prof. of Structural Engineering Department has chaired one session of International Conference on Advances in Civil Infrastructure and Developments of Smart Cities organized by Rajarambapu Institute of Technology, Sakharale.
- Faculties from all departments have been serving in the committees constituted by AICTE/DTE/University/Others Engineering Institutes /other organizations for performing various technical and administrative tasks.

**4. Supporting Staff Development:** Number of training programs were organized for supporting staff in the Institute. Also, many supporting staff have attended various training programs at various organizations.

**5. TEQIP-II:** The Institute has received a grant of 10 crore rupees under MHRD's TEQIP and has spent almost Rs. 8 cores towards various TEQIP activities, including setting up new labs. Rs. 40.2 Lakhs in Assistantship for PG students. Rs.30 Lakhs has been set apart for research activities, while Rs. 87.5 Lakhs is utilized for faculty development and Rs.44.6 Lakhs in Industry-Institute interaction. Rs. 11.4 Lakhs were spent to support academically weak students. The institute has fulfilled requirements of NPIU and scored 100% in key performance indicators and is eligible for 5 crore additional grant.

**MOU Signed with Industry/Academia:** The institute has signed total **23** MOU with reputed institutes and Industries like SVNIT, Surat, COE, Pune, SGGSIET, Nanded, L &T etc.

MOU signed with Institute/ University: 09 and MOU signed with Industries: 14

Civil Engineering Department is one of the department forefronts for Unnat Maharashtra Abhiyan in collaboration with SPFU & IIT Bombay. **Data and Performance Audit:** The 5<sup>th</sup> Data and Performance audit was held on 11-13th August 2016.

**6. TEQIP III:** As a high performing institute in TEQIP-II, SPCE is eligible to participate in TEQIP III with fund grant of Rs. 7 Crores at initial stage. Over the time, the institute will be eligible to obtain additional funds of Rs. 5 Crore to develop Centre of Excellence in its areas of specialization.

**7. Accreditation:** The Institute has been accredited twice by NBA and is going to have its third round of Accreditation for UG Programs. The institute has applied for accreditation for all 3 UG programs and 4 PG Programs. The institute has also applied for NAAC accreditation and uploaded SSR in November 2016.

**8. Autonomy:** University has extended the autonomy to the institute up to 2020. UGC has extended the autonomy to the institute up to 2022.

**9. Testing and Consultancy:** The department of Structural Engineering and Civil Engineering has taken lead in testing and consultancy works and hence generated significant revenue. Structural Engineering Department has generated Rs.21 Lakhs through Testing and Rs.34.9 Lakhs through consultancy. Civil Engineering Department is actively involved testing and consultancy of concrete, soil, water and other materials. Environment lab generated Rs.2.33 lakhs while Transportation Lab generated Rs.45,937. In addition to this Consultancy and Testing work of Goregaon Film City for the assessment of Road and Building construction is in Progress.

**10. Participation in National Institute ranking framework:** The National Institutional Ranking Framework (NIRF) has been formed and accepted by MHRD. The methodology draws from the overall recommendations arrived at by a core committee set up by MHRD to identify the broad parameters for ranking various universities and institutions. The parameters broadly covered are: Teaching Learning and Resources, Research and Professional Practices, Graduation Outcomes, Outreach and Inclusivity and Perception. Participation in this NIRF is made mandatory for all institutes and Universities. The institute has uploaded all the relevant documents into the web portal.

**11. Infrastructure development:** IT Infrastructure Modernization: Installation of CCTV camera at SPCE main Building, Office, Computer labs and Hostel is completed. Digital Signage Boards have been installed at several offices. It is proposed to carry out structural repairs and painting of college building. It is also proposed to carry out structural repairs and painting of Hostel building.

# GENERAL SECRETARY'S ADDRESS

*"With great power comes great responsibility"*



The academic year 2016-2017 was an exciting year, filled with duties, responsibilities and pleasure. The year started by the formation of Students' Council on 2nd August, where I was privileged to be elected as General Secretary of this prestigious Institute. Along with the excitement and joy, a sense of responsibility within played a major role.

The Council enthusiastically organised and celebrated Independence Day; the first of many responsibilities to come. The next event was PRARAMBH on 2nd September, to welcome our dearest Freshers. These new faces represent the same hope and challenge that new players in a cricket team do. And we, as seniors, should be the mature individuals that they could trust and depend upon. To continue the trend started by the Council on 2013-2014, an Annual Debate Competition was conducted on 6th and 7th of October. The Cultural Evening held on 7th October, came with an aura of exuberance, with students dressed in traditional Garba attire enjoying the dance.

2017 began with great responsibility and enthusiasm, with the celebration of Republic Day. SPECTRA, War of Imagination, a three day festival to dig out the technical talents of the college, was welcomed with excitement, on 27th January. The annual sports festival SPIRIT made its way into the hearts of hundreds of SPCEians from 16th February to 24th February.

The month of March made its way to SPCE's most awaited annual cultural extravaganza "SPACE" which was held on 2nd, 3rd and 4th of March 2017, with the theme; Find Your Vibe. The highlights being the inspirational speech by Padmashree Ujjwal Nikam and IAS officer Mr. Tukaram Mundhe, stand-up comedy by Sorabh Pant and Indian playback singer Mrs. Kavita Seth for gracing the event 'Swaranjali' with her presence.

The Annual Day of SPCE made its way to felicitate the meritorious students and the diligent faculties of every department. To maintain excitement even towards the closure of the year, we held events like Traditional day, Tie day, Saree day and such. And to bid adieu to our beloved final year students, farewell for B.Tech students was held as April came to a close.

I would like to express my sincere thanks to Principal Dr. P.H. Sawant, Vice Principal Dr. M.M. Murudi, our beloved Chairperson Dr. Shyamlee Solanki, Member Secretary Prof. Vinod Sharma, Dean of Finance Dr. Hansa Jeswani, the entire Students' Welfare Committee and teaching and non-teaching members for extending their valuable support and showing faith in us.

*"Every man needs a woman when his life is in a mess, because just like the game of chess- the queen protects the king." To understand the importance of women in our lives, we celebrated "International Women's Day" on 8th March 2017.*

"Alone we can do much less but together we can do much more." I was truly incomplete without my team. I'd like to extend my appreciation to the Council members, extended committee members and all the students for being there whenever needed and making the year 2016-17 a memorable one. I wish good luck to the Students' Council of next year and I hope that the coming years are even more glorious for SPCE.

# CULTURAL SECRETARY'S ADDRESS



Being a part of the Student Council for the year 2016-2017 was an indelible experience. As the two Cultural Secretaries of college, we were entrusted with the responsibility of preserving and promoting our culture. The Student Council started off with its first responsibility of organising the Independence Day.

September paved the way for the first Mega event of the year, 'Prarambh', a night dedicated to welcome the Freshers. It was a marvelous experience to organise it. We saw talented juniors fighting for the Prarambh trophy, which was won by the Mechanical Branch. Soon, it was time for the festival of dance and devotion, Navratri! The students of SPCE relished the night filled with lights, music and dance. We distributed prizes for the Best Dancers and Best Costume. With Republic Day came celebration of our Nation. The cultural dances and songs elicited feelings of patriotism within the spectators.

Soon it was time for the most awaited event of the year, SPACE 2017- Find Your Vibe. It was an amazing experience organising such a significant event. We are glad that the Fest was a huge success. It would not have been possible without the efforts of the Students' Council, the core members, the organisers and the coordinators who worked very hard, for days together, for making the fest an unforgettable one. SPACE 2017 was a star studded carnival, attended by the famous dynamic duo Abbas-Mustan who came to our college for the promotion of their upcoming movie. The star cast of the movie also had a great time in SPCE. A motivational talk by Padmashree Ujjwal Nikam was one of the highlights of the Fest. Artists ranging from Saurabh Pant, who is arguably one of the best comedians in the country, to Kavita Seth, one of the best female singers in India, were also present. SPACE was attended by a number of famous YouTubers as well. We thank all the students who gave their best to make SPACE 2017, a Mega Event.

We would like to thank the Principal, Dr P.H. Sawant, Vice Principal Dr. M.M Murudi, the Chairperson of the Student Welfare Committee, Dr Shyamlee Solanki, and the members, for having faith in us throughout the year and helping us at each step. My sincere gratitude to every teacher and student who were with us at all times and helped us making this year successful.

--Anas Patankar  
Shubham Bhosale

# TECHNICAL SECRETARY'S ADDRESS



My experience as the Technical Secretary of the Students' Council, SPCE for the academic year 20162017 can be aptly described as surreal and Kafkaesque.

This year, our aim was to make SPECTRA and SPACE even bigger and better than what they were last year, and I am proud to say that, in some aspects, we have achieved our goal. As is the case with any working system, the Pareto Principle applied here too: 80 percent of the results were due to 20 percent of the causes. What this means is that there were some members of the organizing committees, without whom these festivals may not have passed the planning stage, and I am glad to say that it was an honor working with them.

Organizing such college level festivals is naturally a challenging task, but with a solid team by your side, the task becomes more manageable. As a representative of the student body of this college, one can expect great responsibilities on their shoulders. One can also expect a roller-coaster ride, with a larger number of valleys than summits, but through this journey, one must not lose heart, and maintain a Stoic state of mind, for only then can one survive through it.

To close this address, I would like to acknowledge the tremendous efforts taken by all the students of this college, the Students' Council, the Students' Welfare Committee, the faculty and staff, and the Principal, and I look forward to the succeeding Students' Council to grow further what we have built.

-Anay Kakade  
Prasad Patil  
Pranav Shinde

# FACULTY ADMIN

HOD Mechanical  
Dr. Nilesh Raykar



HOD Electrical  
Dr. B.B. Pimple



HOD Civil  
Dr. A.R. Kambekar



Principal  
Dr. P.H. Sawant



Vice Principal  
Dr. M.M. Murudi



HOD Structural  
Dr. A.A. Bage



STRUCTURAL



ELECTRICAL



MECHANICAL



F  
A  
C  
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L  
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Y



## STUDENTS' WELFARE COMMITTEE



## STUDENTS' COUNCIL

GENERAL SECRETARY

SOUMIL NEWALKAR

CULTURAL SECRETARY

ANAS PATANKAR  
SHUBHAM BHOSALE

TECHNICAL SECRETARY

ANAY KAKADE  
PRASAD PATIL  
PRANAV SHINDE

SPORTS SECRETARY

DURGESH NAIK  
RAJ SAWANT  
TEJASVINI BHOSALE

MAGAZINE SECRETARY

AARTI SRIVASTAVA  
SUMIT SHINDE

LADIES REPRESENTATIVE

SHRADDHA BHOSALE  
ANKITA GITE



# COMMITTEES



TRAINING AND PLACEMENT TEAM



SPECTRA CORE COMMITTEE



SPACE CORE COMMITTEE

## Sardar Patel College of Engineering

### Summary of Campus Placement Academic Year 2015 - 16 (B.Tech.)

Sr. No.	Company Name	Date	Criteria	Total Placed	Civil	Me- chani- cal	Elec- trical	Salary in Rs. Lac. per annum
1	EXL Business Process Solutions	20.07.2015	7 C.P.I. + No L.K.T	5	1	4	0	26.7 for 4 years
2	Lodha Group	21.07.2015	6.5 C.P.I. + No L.K.T	17	6	5	6	5.1 CTC
3	L & T Engineering	23.07.2015	6 C.P.I. + No K.T. + 65% aggregate in 10th & 12th/ Diploma. No year gap. And No. of Dead K.T.s allowed- 2	9	2	5	2	4.88 CTC
4	Aker Solutions	27.07.2015 24.08.2015	7 C.P.I. + No L.K.T.	1 2	1 NA	NA 2	NA 0	28,000 p.m. Stipend for a probation period of 1.5 years
5	Halftick Info Services	12.08.2015	5.5 CPI + No L.K.T.	0	0	0	0	6 CTC
6	MuSigma	17.08.2015	6.5 CPI(L.K.T. allowed)	2	0	2	0	21 for 3 years
7	UHDE India (Thyssen-Krupp Industrial Solutions)	25.08.2015	6.5 C.P.I. + No K.T. + 70% aggregate in 10th & 12th/ Diploma. No year gap.	8	2	4	2	4.1
8	ZS Associates	1.09.2015	6 C.P.I	0	0	0	0	5+
9	L& T ECC	16.09.2015	6.5 C.P.I	2	0	1	1	5.1
10	KPMG	7.09.2015	6 CPI + No L.K.T.	1	NA	NA	1	4
11	Tata Motors	11.09.2015	7 CPI + No K.T.	5	NA	5	NA	5.6-6.15 (Performance based)
12	Siemens	14.09.2015	6 CPI + No K.T.	6	NA	3	3	5.5
13	Infosys	28.09.2015	6 CPI + No L.K.T.	29	4	9	16	3.28
14	Cognizant	30.09.2015	6 CPI + 60% in 10th & 12th/Diploma + 2L.K.T	16	1	4	11	3.35
15	Accenture	5.10.2015	5.5 CPI + No L.K.T.	16	4	2	10	3.15
16	Jacobs Engineering	7.10.2015	6 CPI + No L.K.T.	2	1	NA	1	3.5 CTC
17	HUL	7.10.2015	6CPI + 60% aggregate in 10th & 12th/Diploma	1	NA	0	1	7
18	SNC Lavalin	8.10.2015	6 CPI + No L.K.T.	3	1	1	1	3 - 3.5
19	Thornton Tomasetti	12.10.2015	7.5 CPI + No L.K.T.	0	0	NA	NA	5.5
20	Secure Meter	12.10.2015	6 CPI + No L.K.T	2	NA	NA	2	4
21	Avanti Learning	13.10.2015	6 CPI + No L.K.T.	4	2	1	1	4 CTC
22	MT Educare	21.10.2015	No Criteria	1	1	0	0	3 - 6
23	Cactus Communications	23.10.2015	5.5 CPI + No L.K.T.	0	NA	NA	NA	3.0 - 5.0
24	Feedback Infra	28.10.2015	6 CPI	5	NA	2	3	4.5 CTC
25	Syselec Technologies Pvt Ltd.	14.11.2015	No Criteria	-	NA	NA	-	1.25-6
26	Emerson Network Power	11.12.2015	6 CPI + No L.K.T.	4	NA	1	3	4.5 Stipend
27	VMS Consultants	14.12.2015	7CPI + No L.K.T.	0	0	NA	NA	3.3
28	Alfa Laval	17.12.2015	6 CPI + 70% in 10th & 12th/Diploma + No L.K.T	1	NA	1	NA	3.5 CTC
29	Spectrum Techno Consultants	17.12.2015	6 CPI + No L.K.T.	2	2	NA	NA	3.5
30	Gilbarco Veeder-Root	18.12.2015	6 CPI + No L.K.T.	0	NA	0	0	3.5
31	Bluestar	22.12.2015	6 CPI + No L.K.T.	3	NA	2	1	5
32	Royal Enfield	23.12.2015	7 CPI + No K.T.	1	NA	1	NA	3.5 for 1st year. 5.5 after confirmation.
33	L& T Technology	23.12.2015	6CPI + 60% in 10th & 12th + No L.K.T.	3	NA	3	NA	3.7
34	Sutherland Global Services	No Applications	No Criteria	0	0	0	0	1.85-2.4

Sr. No.	Company Name	Date	Criteria	Total Placed	Civil	Me- chani- cal	Elec- trical	Salary in Rs. Lac. per annum
35	Technip KT	11.01.2016	7 CPI + No K.T.	3	0	2	1	Rs 43,000 monthly stipend
36	Tecnimont ICB	23.01.2016	6 CPI + No L.K.T.	6	6	0	0	3.6
37	Xion Multiventures	24.12.2015	6 CPI + No L.K.T.	0	No Appli- cations	No Appli- cations	0	5.4
38	Chegg	24.12.2015	6 CPI + No L.K.T.	0	0	No Appli- cations	0	Pay per answer
39	Kotak Life Insurance	30.12.1015	6 CPI + No L.K.T.	0	NA	0	0	5
40	Ahuja Constructions	14.01.2016	6 CPI + No L.K.T.	0	0	NA	NA	upto 6
41	Mukand Steel	12.02.2016	6 CPI + No L.K.T.	0	NA	0	0	Rs 24,000 monthly stipend
42	Asian Heart Institute	29.02.2016	6 CPI + No L.K.T.	1	NA	0	1	3-Apr
43	Capacite Infraprojects Ltd.	04.03.2016	6 CPI + No L.K.T.	6	6	NA	NA	3
44	Mahindra Lifespaces	10.03.2016	6 CPI + No L.K.T.	3	3	NA	NA	3.5
45	Torrent Power	15.03.2016	6 CPI + No L.K.T.	1	NA	NA	1	3 lpa 2nd year on-wards
46	Kristeel Shinwa	1.04.2016	6 CPI + No L.K.T.	3	NA	3	NA	2.5 for Executive Manager 4 for Assistant Man- ager
47	Oberoi Group	9.04.2016	6 CPI + No L.K.T.	0	NA	0	0	2.4
48	Efficient Engineering	11.04.2016	6 CPI + No L.K.T.	0	NA	0	NA	2.4
49	IMP Powers	14.04.2016	6 CPI + No L.K.T.	6	NA	NA	6	3.0 - 3.5
50	Grofers	14.04.2016	6 CPI + No L.K.T.	0	0	0	0	3.0 - 4.0
51	Café Coffee Day	22.04.2016	6 C.P.I + No L.K.T.	2	NA	2	0	3.4 - 3.7
52	Excel Autovista	No Applications	6 CPI + No L.K.T.	NA	NA	NA	NA	1.8
53	Think & Learn	16.10.2015	6 CPI	No one shortlisted				3
54	Capgemini	8.10.2015	6 CPI + No L.K.T.	0	0	0	0	3.75
55	Sanmar Group	14.11.2015	6 CPI + No L.K.T.	0	0	NA	NA	4.5
56	Atkins	28.11.2015	6 CPI + No L.K.T.	No one shortlisted				6
57	Asahi India Glass Ltd	10.12.2015	7 CPI + No L.K.T.	No one shortlisted				5.5
58	Gmcco Ltd.	10.12.2015	6 CPI	No one shortlisted				4
59	Pharmeasy	20.04.2016	No Criteria	0	NA	0	0	2.76 - 3
60	Shantilal C. Mehta	3.05.2016	No Criteria	0	NA	0	0	3.6
61	Fintellix	10.05.2016	6 CPI	0	0	0	0	3
62	Burns & McDonell	24.05.2016	6 CPI + No L.K.T.	0	0	0	0	4.8
63	Dorsh Consult India	27.05.2016	6 CPI + No L.K.T.	0	NA	NA	0	4
64	Vector Projects	31.05.2016	6 CPI + No L.K.T.	0	0	NA	NA	3.5
65	Medica	1.06.2016	6 CPI + No L.K.T.	No Applications				2.4
66	Saint Gobain	14.06.2016	7 CPI + No L.K.T.	No one shortlisted				4.5
67	Gammon India	12.08.2016	7 CPI + No L.K.T.	0	No one shortlist- ed	NA	NA	5.1
68	Wasan Group	02.06.2016	No Criteria	0	No Applications			2.16
69	Data Metica	16.04.2016	6 CPI + No L.K.T.	0	NA	NA	No Appli- cations	
	Total Placed			182	43	65	74	
	Registered for Place- ment			224	72	78	74	
	Higher Education Aspi- rants / Family Business / Not interested				21	12	17	
			*Offers includes no. of students with multiple offers					



SPCE Cup



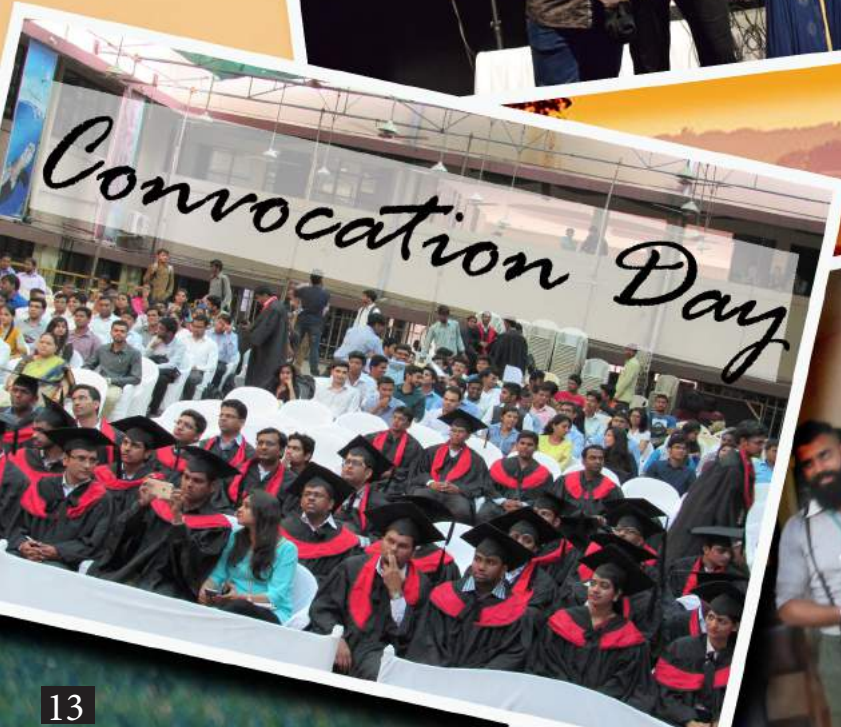
Blood Don



Prarambh



EWI



Convocation Day



Debate

ation Day



Garba Night



# EVENTS



Independence Day



# The Indian Daughter

There she rested, cocooned in her mother's womb  
The only safe house she was unscathed  
Coming to life, she peered into the gloom  
Of the dark society where she would be raised

As a toddler's feet headed into teenage,  
It was her purity that struck upon her  
As little, as her red stain could enrage  
It was all that she could infer

Walking past the street in her peep-toe  
Was an aspiring engineer away from home,  
Whistles and catcalls were all the wind could blow  
Painting her world into a dark monochrome

Draped in a silk-clad sari  
She prepared herself for her journey ahead,  
Offering them a cup of tea  
Her education could do as little as offend

Tying the knot for the holy bond  
Shallow promises were made on one end  
For her riches, upon her it dawned  
As she tried diligently to blend

It took only a slap for her to get subdued  
Daily bickering escalated to her harsh reality,  
As tiny eyes witnessed their parents' feud  
She slowly drank the poison of immorality

Reaching the epitome of the tyranny  
She could hold on no longer,  
Lamenting the death of chivalry  
She broke the societal shackles and became stronger

ANUSHRUTI KUKREJA  
TY CIVIL

# List of Meritorious Students 2015-2016

Based on CPI

## **M.Tech List**

### **Civil – Construction management**

1	Magdum Ajinkya Eknath
2	Kothawade Pradeep Sanjay
3	Jain Saurabh Ramesh

### **Civil – Structural Engineering**

1	Tamboli Shekhar Sunil
2	Dalal Omkar Bhagwat
3	Mhatre Vinay Deepak

### **Mechanical – Thermal Engineering**

1	Mahajan Gaurav Premchand
2	Melwanki Rishabh Manoj
3	Birajdar Sameer Ahmed

### **Mechanical – Machine Design**

1	Siddiqui Amir Hamza Nazir Ahmed
2	Girkar Rahul Satapa
3	Sahane Dhiraj Nivrutti

### **Electrical – Power Electronics And Power System**

1	Rao Pratik Girish
2	Birajdar Dheeraj Dilipkumar
3	Ushkewar Sandeep Sunil

## **Under-Graduate**

### **Civil Engineering Department**

#### **First Year B.Tech**

1	Laud Om Dnyanesh
2	Jena Abhishek Suresh
3	Rathod Manali Suresh

#### **Second Year B.Tech**

1	Vora Chintan Vijay
2	Shigavan Vikram Santosh
3	Singh Shubham Manojkumar

#### **Third Year B.Tech**

1	Shah Bhavya Jayesh
2	Jagtap Saurabh Subhash
3	Gandhi Chintan Ravindra

#### **Final Year B.Tech**

1	Dhokane Sujay Samadhan
2	Poojari Dheeraj Rama
3	Vishwakarma Dhiraj Shashidhar

### **Electrical Engineering Department**

#### **First Year B.Tech**

1	Nidhi Sridhar
2	Madhavi Surabhi Ramchandra
3	Haridwaj Yash Shivkumar

#### **Second Year B.Tech**

1	Gholap Pavan Bharat
2	Surve Uddhav Ramchandra
3	Srivastava Aarti Raman

#### **Third Year B.Tech**

1	Gogate Madhura Vinayak
2	Abhishek Upadhyay
3	Sameer Acharya

#### **Final Year B.Tech**

1	Thorat Anjali Rajendra
2	Deshmukh Parikshit Vijay
3	Kharat Nikita Pradip

### **Mechanical Engineering Department**

#### **First Year B.Tech**

1	Mugeraya Bhavik Sudharshan
2	Chandnani Raoul Ashok
3	Gadgil Shreyash Pravin

#### **Second Year B.Tech**

1	Aher Anil Arjun
2	Soni Ved Deepak
3	Taskeen Murtaza Asif

#### **Third Year B.Tech**

1	Tiwari Atulkumar Chandramohan
2	Hasan Asif Manzoor
3	Jain Prince Kumar Ashok Kumar

#### **Final Year B.Tech**

1	Sali Akash Rajendra
2	Dhumal Amey Ashok
3	Narvekar Ekta Shekar



# ओळखा स्वतःला!!

हे आयुष्य किती नाट्यमय आहे ना? एकीकडे आपल्याला आपल्या स्वप्नांच्या मागे पळायला लावतं आणि दुसरीकडे त्याच स्वप्नांच्या मागे पळत असताना आपल्यासमोर असे काही प्रसंग उभे करतं की आपण आपल्याच स्वप्नांवर शंका करून बसतो आणि मग आपण असा विचार करतो की मी चुकीच्या मार्गावर तर चालत नाही ना? मी माझे ध्येय तर प्राप्त करू शकतो ना? आणि या सगळ्या विचारांच्या नादात आपण स्वतःला विसरून जातो, आपण स्वतःला हरवून बसतो, आपण स्वतःच्या क्षमतेवर अविश्वास करायला लागतो. अशा वेळी आपल्याला गरज पडते ती स्वतःला ओळखण्याची, स्वतःमध्ये डोकावून पाहण्याची, धैर्याची, संयमाची, स्वतःच्या कौशल्यांवर पुन्हा विश्वास करण्याची..

तुमच्या आमच्या जीवनातही असे खूप सारे प्रसंग येतात जेव्हा आपल्याला कळत नाही की नक्की करावं काय आणि आपण हतबल होऊन बसतो व शेवटी प्रसंगावधान न दाखवता नैराश्य निर्माण करून घेऊन आपला आत्मविश्वास गमावतो. खूप नवलं वाटतं हो, जेव्हा काही जण म्हणतात की 'अरे यार मीं तो तंग आ गया हू इस जिंदगी से', माझ्याने काही पेलवत नाही आता हा आयुष्याचा भार.. पण काळजाचा ठोका तर तेव्हा चुकतो जेव्हा हे शब्द एखाद्या विद्यार्थ्याच्या तोंडून ऐकायला मिळतात. खरंच खूप वाईट वाटतं, असं काही ऐकल्यावर आणि त्यांना एकच विचारावंस वाटतं की 'बाबा, तुझं आयुष्य अजून सुरु तरी झालंय का रे?'. आयुष्य हे खूप मोठं असतं ज्यात खूप सारे चढ-उतार येत असतात त्यामुळे या आयुष्याला भार न समझता एखाद्या आव्हानासारखं घेतलं पाहिजेल तेव्हाच हे आयुष्य जगण्याची खरी मजा येईल.

असं म्हणतात की 'There is no U turn in life' आणि ते खरंही आहे. कारण एकदा एखाद्या वाटेवर चालायला सुरुवात केल्यास पुन्हा सुरुवातीच्या बिंदूवर जाता येत नाही. आपल्या आजूबाजूला असे खूप सारे लोक असतात जे त्यांच्या दैनंदिन दिनचर्येत खुश नसतात, मग तो एखादा विद्यार्थी असो वा एखादा कर्मचारी.. विचार करण्याबाबत गोष्ट तर अशी आहे की जर आपल्या कामात आपल्याला आनंद मिळत नसेल, आपल्या चेहर्यावर हास्य येत नसेल तर मग ते काम करायचंय कशाला? मजबूरी असते म्हणे..! मजबूरी काहीही असेल पण प्रत्येकाला त्याच्या आवडत्या क्षेत्रातच



शिक्षण घेतलं पाहिजेल किंवा काम केलं पाहिजेल. ह्यावरून एका प्रसिद्ध हिंदी चित्रपटातला एक सवांद आठवतो 'अगर सचिन तेंडुलकर को उसके घरवालोंने बोला होता की तू सिंगर बन जा या फिर लता मंगेशकर को बोला होता की तू क्रिकेटर बन जा, तो सोचो वो दोनो आज कहाँ होते'. मीही तेच म्हणेल की स्वतःला ओळखा, स्वतःच्या क्षमतेला तपासा आणि स्वतःच्या आवडीचं करा..

खरं म्हणजे इंजिनीरिंगच्या विद्यार्थ्यांना असं वाटतं की इंजिनीरिंगपेक्षा अवघड अभ्यासक्रम कोणताच नाही, मलाही वाटतं.. का नाही वाटणार? आहेच आपली इंजिनीरिंग अवघड. पण एका गोष्टीचा कोणी बारकाईने विचार केलाय का की आपल्यापैकी किती विद्यार्थ्यांनी इंजिनीरिंग हे पहिलं करिअर ऑप्शन म्हणून निवडलंय? चला.. ते ही मान्य केलं की इंजिनीरिंग हे पहिलं करिअर ऑप्शन होतं, पण हे आमच्या सिविल इंजिनीरिंगच दुर्दैवच म्हणावं लागेल की ५० टक्क्याहून अधिक विद्यार्थी नकारात्मक प्रतिसाद देतात जेव्हा प्रश्न विचारला जातो की 'Was Civil Engineering your 1st preference?' मला एकच वाटतं की जे काही करायचंय ते आपल्या आवडत्या क्षेत्रात करा कारण तुम्ही पैसे जरी भरपूर कमावलेत तरीही आनंद मात्र कमवू शकत नाही. त्यामुळे कोणताही निर्णय घेण्याआधी स्वतःची कुवत तपासा आणि मगच निर्णय घ्या कारण चूक करून पश्चाताप करण्यापेक्षा न चुकलेलंच बरं.

या विश्वात क्वचितच अशी माणसं असतील ज्यांनी त्यांच्या यशस्वी आयुष्याच्या वाटेवर अपयशाचे कडू घास गिळले नसतील. पण ज्यांना हा अपयशाचा डोंगर पेलवत नाही ना त्यांना त्या डोंगरामागील क्षितीजामधून हळूच डोकावणाऱ्या सूर्याच्या किरणांचा आस्वाद घेता येत नाही. एवढं लक्षात ठेवायला हवं की अपयश हीच यशाची पहिली पायरी असते. अपयशाशिवाय मिळालेल्या यशात तसा फारसा आनंदही मिळत नाही. त्यामुळे जेव्हाही आयुष्यात अवघड प्रसंग आल्यास आणि स्वतःवर अविश्वास वाटू लागल्यास फक्त एकच मनात ठेवा की 'जिंदगी मे जो भी हो रहा है वो सब आपके भले के लिये ही है.'

कधी कधी आपण आपल्या क्षमतेपलीकडे जाऊन काहीतरी भलतंच करायचा प्रयत्न करतो आणि अशा प्रयत्नात अपयशी झाल्यास आपली मनःस्थिती खालावते. कधी कधी तर हे अपयश पाठलागही सोडत नाही आणि मग अक्षरशः आपण आयुष्याला कंटाळून जातो त्यावेळी आपला संयम न गमावता स्वतःवर विश्वास ठेवून प्रयत्न सुरुच ठेवले पाहिजेत. जर आयुष्यभर संघर्ष करून सुद्धा तुम्हाला काही प्राप्त झालं नसेल तर हार मानू नका कारण वेळ कधीही गेलेली नसते, ती फक्त आपल्या धैर्याची परीक्षा घेत असते. जीवनभर संघर्ष करूनसुद्धा वयाच्या ६५ व्या वर्षी जर एखादा व्यक्ती स्वतःच्या कौशल्याला ओळखून एक नवीन सुरुवात करून जर KFC सारख्या एवढ्या मोठ्या ब्रॅण्डची निर्मिती करू शकतो तर मग मी नक्कीच म्हणेल की वेळ कधीही गेलेली नसते ती फक्त आपल्या योग्य निर्णयाची वाट पाहत असते.

म्हणून शेवटी एवढंच म्हणेल की Just know yourself.. ओळखा स्वतःला.. ओळखा स्वतःला.. कारण एका महान ग्रीक तत्वज्ञानींनी म्हटलंय की 'Knowing yourself is the beginning of all wisdom - Aristotle.'

लक्ष्मण गोरख गायकवाड,  
तृतीय वर्ष, स्थापत्य अभियांत्रिकी विभाग  
(Marathi Editor of DISHA'17)

# Battle of Ideas



We believe,

***“It is better to debate a question without settling it than to settle a question without debating it.”***

To celebrate this, Sardar Patel College of Engineering hosted its 4th Annual Intercollegiate debate on the 6th and 7th of October, 2016.

The theme for the debate was ‘Lines in the Sand’. It is synonymous to ideas and opinions which are altered by new thoughts. In this era of uncertainty one thing is certain, that is change. With an aim to provide a platform for young minds to nurture their debating talents, we invited the best debaters from all over Mumbai to put forth discussions, to refute, to explore, to question, to challenge the age old ideologies and change perceptions.

The Day-One of the debate commenced with the inauguration ceremony followed by address of the Principal, Dr. P. H. Sawant. To grace this occasion and to add to its resplendence, we had an esteemed panel of judges and scholars of their fields. With everything else set, the battle of wits began. The first day witnessed some great debates on many socially and economically relevant topics. The best eight teams qualified for the next round.

Like a beacon in the dark, like a compass to navigate the path, the panel of judges for the second day included renowned editor and journalist Mr. Ratan Sharda. We also had Mrs. Sangeeta Srivastava, a teacher, a socialist and a poet. The theme was appreciated by all the judges and their words of wisdom really inspired us. The teams fiercely battled their way debating on many political issues like democracy, autocracy, disarmament among other such issues. The two best teams made their way to the finals fighting with diligent enthusiasm. The event concluded with the distribution of the trophies by the Vice-Principal, Dr. M. M. Murudi, to all the winners and runners up.

With a vision to make a change in the society with the waves of new thoughts and ideas, and change perceptions just like the lines in the sand, we move ahead. We pass on this torch to our next batch so that they can carry the legacy of the SPCE debate with a new zeal and more vigor.

Kruti Acharya (TY Electrical)  
Jimmy Chacko (TY Civil)  
Debate Organisers

**S**PECTRA, the technical festival of Sardar Patel College of Engineering being in its 4th year made its name and fame more clear ! With the shadows of successful SPECTRA'16, we embarked our journey with a collective aim of reaching another milestone – A Successful SPECTRA'17!

It all began with forming the Core Committee in the month of August. A Team is nothing but different people with the same Aim. Best people from different departments were handpicked through an interview selection process, and once all soldiers were set, we paved our ways towards making a strategy for WAR OF IMAGINATION. Setting the budget, chalking out the marketing strategies along with managing finances was no less than a Jig-saw puzzle, but our collective team work was the backbone with made all these pieces set in order.

The Creative team soon started their work and managed to impress everyone with their poster design. Stage was all set for PRing to begin. The PR-team managed to cover most of the prime colleges of Mumbai & suburbs and were baffled by the amazing

aura, everyone who entered were taken aback by the atmosphere which was no less than a holy land of technology. The festival was inaugurated by Mr. Alokraj Ambadipudi, General Manager of Urban Clap, who inspired as well as appreciated the students. Soon, gates were all open to the WAR OF IMAGINATION!

The festival witnessed various events, right from Robowars to Technical Paper Presentation. Auto Expo which was organised for the first time showcased more than 26 Superbikes over a span of two days. ICRC which saw a battle of RC vehicles with a engine managed to rev everyone's heart to its tunes. The star of the show was CONTRAPTION which was made with a theme of – AROUND THE WORLD witnessed a thunderous applause with every successful mechanism. The Roar of robots fighting in the cage was none less than a tiger fight! With the audience going insane as each piece of metal flew by in the nerve-stealing fight.

Every event was meticulously planned and went off smooth without any hassles. No doubt, efforts of the organisers and coordinators was the recipe for success. But this didn't end there, the bright

## SPECTRA'17: WAR OF IMAGINATION

response of participants. The preparations however were brought to a halt due to ongoing examinations, but the pace it gained afterwards created huge difference.

The second phase started in the month of December. The marketing and finances team took some serious efforts while the Décor team kept pondering with ideas and each turning into a masterpiece! The website was soon fully functional. The amount of creativity, attention given to details & efforts taken to rectify every mistake was something which redefined perfection. Final stage of PRing covered almost all colleges of Mumbai, Online publicity through social media and even through Print media ensured a whopping footfall. All final preparations were taken care of, and finally we were all set for D- Day!

On 27 January 2017, Sardar Patel College of Engineering was turned into a paradise for technocrats. The décor created a mesmerizing



aura casted a shadow upon young minds towards technology, science and innovation with everyone taking back more than what they had from the three day fest. There were times when everything looked hazy, there were doubts in minds, but what helped me sail through the storm was my team backing me. For me the meaning of FEAR was to Face Everything and Rise! The Fest taught us a lot of things beyond the four walls of a classroom. It would never have been a success without the help of Principal, Vice Principal, Faculty members, our sponsors, the TEAM SPECTRA and my fellow mates. Although the fest came to and end, what lives forever within us is the experiences, blessings and the SPECTRA spirit, which would keep getting stronger for years to come.

Shubham Mahadik  
CHAIRPERSON of SPECTRA 2017





# SPECTRA

# MIST

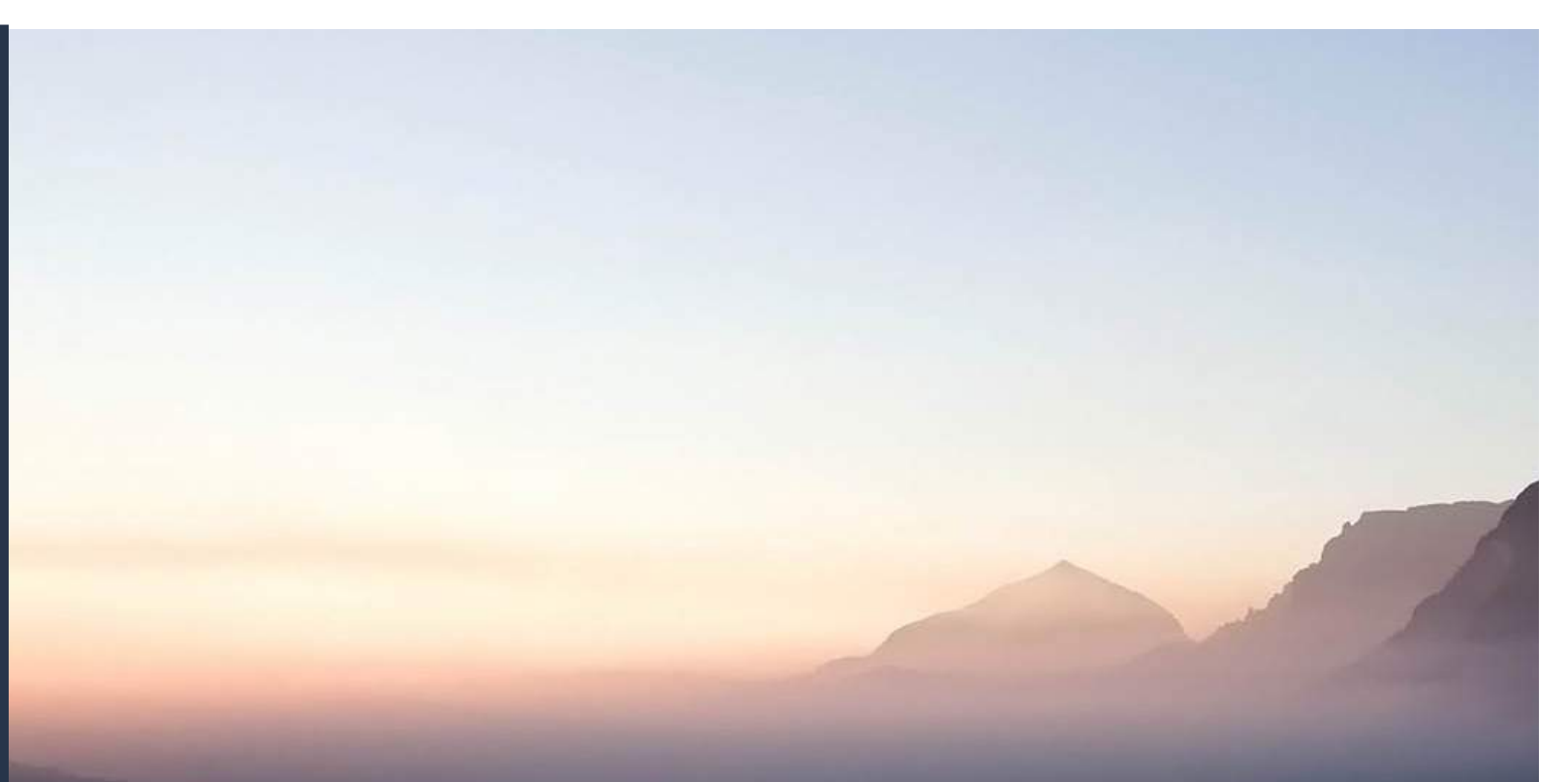
He woke up from his bed. It was 4 am. But no, he hadn't slept. Getting accustomed to doing things to drive himself into the deception of leading a normal life as he was, Arlen stepped his feet upon the frigid floor, heading to switch on the wall lamp. The stunning artworks that hung upon the wall were cast upon a demeaning look by their creator as the room was lit with dim light. The same pieces of art, which were once sketched and painted to perfection, and served as testimonials to the incessant fire of ambition that had been burning in the inner core of Arlen for the last 17 years now looked to be simply meaningless pieces of paper to him. In fact, everything within and beyond his range of sight was rendered meaningless, accounting to the vicious blow of fate that had hit him hard, leaving him benumbed.

As with life, he kept walking in the stinging cold and laggardly opened the door of his room. His mind was gushing out with a blended mix of emotions, bathing in grey. Insanity often finds out its way from this grey shade, hypnotizing the victims into doing things that could

be the subject of utmost remorse on return to normalcy. A flake of this insanity had grabbed and locked the cognitive and intuitive capacities of his mind. In the deepest of anguish that had been dwelling within him, his painting of the scenic Ontario that was hung upon the door caught his attention. The painting was one of his masterpieces, and his first creative marvel that won him laurels from all of his near and dear ones. With paralyzed senses blocking the cognizance of his physical actions, Arlen grabbed his once dearest piece of art and crumbling the 'piece of paper' in a fit of surging rage, he headed towards the shoreline of Lake Ontario, his abutment in solitude.

It had been week since he had buried both of his parents, who had met with their fate in a brutal accident, leaving behind their only son, alone to survive in the world. The once lively little cottage on the lush green panoramic Toronto Islands had sunk in desolation, and so had every little shrub in the garden affectionately caressed by the Lady of the House. Arlen walked down to the lake in moonlight and lit a fire to feel some warmth out there, at least for his corporeal sake. Even the 'lake of shining waters'





had cast upon a sullen look, perhaps the only perception that his mind could offer him at the moment. The wind was blowing playfully though, with the symphony of the sound of wavering bushes generating optimistic vibes in the early morning air. With the crumbled piece of paper still in hands, he mercilessly tore it to pieces and threw them all away, which quickly were far out of sight, with the blowing wind carrying them away, along the shoreline. The weather was all misty, inside and out.

Cold and sullen was not the identity of Arlen though. Known ever since birth as a cheerful, lively, optimistic and ambitious boy, he always had the distinction of doing things differently and many a times, in his own intriguing fashion. Painting was his breath. Impressing people all the way with his stunning creations, and sometimes surprising even himself, the thirst for climbing higher on the way to ultimate perfection was never to be perished. His parents had been the source of this zest in his soul. Kindling the fire within to thrive upon the creativity that he was blessed with, Arlen saw his life in them. Hurdles and pitfalls though might have been regular strikes, nothing was to stop his fearless stature. This shock had though robbed him of his fire, his passion, his support, and everything that could be.

Arlen kept staring at the waters, his mind recollecting all that had happened in the past years, right from his birth to the age when he had reached the threshold of adolescence. Slides of immortal memories drifted through, as did time. A strong breeze blew along the shore, with the sand

blowing with it. He quickly covered his eyes to protect. It didn't take a while for the little storm to calm down. Arlen uncovered his eyes to find some bits of paper fallen at his feet. Picking them up, he was struck apart by what he saw. They were the same pieces of his first appreciation of art, which he had thoughtlessly thrown away in his unconscious senses. They had returned to him with a message, driven by the spirit of his kindlers of passion that lay in the breeze which had flown in from the graveyard behind.

Holding those pieces close to his heart, he began crying inconsolably, the first time after that gruesome day. Calming down, he collaged them to reveal the beautiful view of the Lake Ontario that his vision had captured years ago. It was not a mere piece of paper anymore again. He looked at the Lake. It was no more sullen. The rising sun had as though brought with it glimmers of hope, which reflected into his emerald green eyes, bouncing from the silent water body. He took a pebble and threw it into the lake, generating ripples of action.

Gathering all the strength he had, Arlen got up with his piece of art still close to his heart. The message was comprehended and the spark was rekindled. The path seen ahead was not clear though, but the fire of incandescent passion that was to revive in his soul was strong enough to burn out all the thorns on its way. The sun had now risen. The mist was clear.

-Sagar Joshi  
SY Electrical

# Conception, Perception, Reality



In this ever so gargantuan habitat of dreams (SPCE), every individual hopes to become a visionary in their areas of discipline. In such air, thrives an effort that brings speed to feet, spanners to hand and an eye for detail, amidst all the dust and rust. In the depths of the college workshop, mushrooms an accomplice of the new day thought of making a difference. The young minds of tomorrow come together to form SPCE Racing, actively involved in building formula style race cars.

The motive of this effort is to learn, adapt and present. The cars students design here are the breakaway and up plot of a diagram with resources versus passion. We believe in staying an exponential function, where our resources do not limit us from performing.

SPCE Racing is a collegiate club that participates in competitions conducted by SAE (Society of Automobile Engineers) at a national level that witnesses participation of student teams from all across the country.

The team has been participating in competitions like SUPRA and BAJA and has embarked a legacy of cars that have not failed to do its

associates proud. Conducted at the resplendent tracks of Buddh International Circuit in Noida and Kari Motor Speedway in Coimbatore, these competitions are not only a racing event but are panned out to test the car in reality as well as on paper. Is the car a prospect of tomorrow, a breakthrough of engineering excellence? – This is what the competition scrutiny demands of its participants.

At the dynamic events the car has to pass several tests and prove its maneuverability and agility amongst all the wonderful cars present. The static events ensure that apart from being pure mechanical, the car is to have an engineering aesthetic as well. The statics have design presentations, cost report presentations and business presentations that in their respective strata rank the car on scales of design, economy and feasibility.

Members at SPCE Racing are a combination of all engineering disciplines and ages; including Final Year, Third Year and Second Year students from Mechanical, Electrical and Civil Engineering; that find their hearts in the departments of chassis, vehicle dynamics, brakes, powertrain,

electronics, composites and the backbone of the team being the management team who help build the team name, making it an open platform to all those colleagues of ours who like the commerce and management of this endeavor.

This nexus plexus of chassis tubes, determination and engineering excellence promise has pushed the team





always to perform better and be ever ready for all technical challenges. We not only use spanners, brushes, spray guns, paper, pens but also our linguistic abilities at meetings and presentations that make our project so versatile. There is an altogether new science in everything we do, waiting to be expanded a little by little.

SPCE Racing is not only about the senior team making formula type racecars that have extensive work put into it but also a beginner junior level Go- kart team. Here the fresher students learn about the team structure and start off by making something at a smaller magnitude but equally serious.

The team went on to come 6th Overall, 3rd in Autocross and 1st in Fuel Efficiency at SUPRA SAEINDIA 2016 despite of all shortcomings and unanticipated occasions. In the interim of a few months the junior team went on to win the second place at the design

event at National Kart Racing Championship. This year the team has fastened their bolts to

A couple of words would fall short of explaining the adrenaline rush that all



excel at SUPRA 2017 that would further go on to be a part of national as well as international competitions. The junior team preps for the design of the new kart.

associated with this endeavor are a party of but even a storm seems calmer in the vortex and that's what we invest in.



To know more about SPCE Racing log on to:  
[www.spceracing.org](http://www.spceracing.org)  
[www.instagram.com/spceracing](https://www.instagram.com/spceracing)  
[www.facebook.com/SPCERacing](https://www.facebook.com/SPCERacing)

VolleyBall Team



Winner at Inter College Sports Fest, K.J.Somaiya

# SPORTS AT SPCE

Sports remain an integral part of the college life here at SPCE, as we organize numerous tournaments like SPIRIT, SPCE-CUP, EESA, MESA, CEA-CUP, all year round. This year, SPIRIT saw the participation of over 20 colleges from all over Mumbai to Nasik. The SPCE cricket and volleyball team made their impact by reaching semifinals in their respective sports.

-Sports Secretary



CRICKET TEAM



SPCE CUP



SPCE CUP



FOOTBALL TEAM



SPCE CUP



SPCE CUP



SPCE CUP



SPCE CUP INAUGURATION

# Photography Team



*In photograph:  
From left- Shubham Wankhede, Adesh Koli, Rajat Giri, Onkar Chopade, Akash Shah, Anil Aher, Shubham Mahadik, Pranav Shelke(Absent), Parth Saraiya(Absent).*



# ती...

२०१६ मध्ये रिओ, ब्राझील येथे भरलेल्या ऑलिम्पिक स्पर्धेत पदकांसाठी तहानलेल्या भारताला तिरंगा फडकावून महिलांनी गौरवांविीत केले. तसेच ऑलिम्पिक जिम्नॅस्टिक्स मध्ये जाणारया पहिल्या भारतीय महिला, दीपा करमाकर हिने त्या स्पर्धेत ४ थे स्थान पटकावून ऐतिहासिक कामगिरी केली. परंतु करोडोंची लोकसंख्या असलेल्या या देशामधून इतक्या वर्षात जिम्नॅस्टिक्स सारख्या खेळात एकाही भारतीय महिला क्रीडापटूचा सहभागही नसावा ही लज्जास्पद बाब नाही का?

तारेवरची कसरत करून घर व ऑफिस सुरेखपणे सांभाळणारया एका सामान्य स्त्रीसाठी मेहनत करून पदक जिंकणे किती बरे कठीण असेल? याचा कधी विचार केलाय का? केला असेल तर मग नक्की ती चुकते कुठे? चुकत ती नाही, चुकतात ते आपले विचार!! आपले बुरसटलेले विचार, विचारांमध्ये असलेला आधुनिक सरणीचा अभाव, त्या विचारांना लागलेला गंज आणि बरंच काही..

कोवळ्या वयात जेव्हा ती पहिल्यांदा मैदानावर पाऊल ठेवते तेव्हा तिला शाळेत व घरात लगोरी, लंगडी, लपंडाव इ. असे एवढेच खेळ मुलींनी खेळावेत असे सांगून लहानपणापासूनच तिला शारीरिक मेहनत आवश्यक असणारया क्रिकेट, फुटबॉल, कुस्ती, इत्यादी सारख्या खेळांपासून वंचित ठेवून तिला दुर्बलतेची जाणीव करून देण्याचा प्रयत्न सुरु होतो. अल्पवयात जरी तिची मैदानी खेळांसोबत मैत्री झाली तर तिच्यावर घरकामाचा दबाव टाकला जातो, पौराणिक संस्कारांची व सभ्यता बाळगण्याची शिकवण दिली जाते . या आणि अश्या सर्व आव्हानांवर मात देऊन जेव्हा ती मुलांना टक्कर देण्याचा प्रयत्न करते तेव्हा तिला आपला पुरुषप्रधान समाज आपल्या बुरसटलेल्या विचारांमुळे तिच्या प्रगतीत अडथळा निर्माण करतो. आणि जर का या प्रवासात घरच्यांची व आईवडिलांची साथ नसेल तर हा प्रवास अधिकच खडतर बनतो.

जर आपण एखाद्या पक्ष्याचे पंख छाटून टाकल्यानंतर त्याला उडण्यासाठी प्रोत्साहित करत असू तर ते अशक्य आहे कारण पक्ष्याची उंच झेप घेण्याची क्षमता त्याच्या पंखांमधील बळावरून ठरते परंतु ते पंखच जर नसतील तर त्या पक्ष्याकडून उंच झेप घेण्याची अपेक्षा करणं व्यर्थ आहे. त्याप्रमाणेच बालपणात व शालेय जीवनात जर तिचा खेळांसोबत पुरेसा सहवास नसेल तर पुढे कॉलेजांमध्ये होणारया स्पर्धेत तिचा सक्रिय सहभाग नसल्यास त्यात नवल वाटण्यासारखं काय? कारण तिची खेळण्याची आस तर कधीच निघून गेलेली असते. सर्व अडचणींना खंबीरपणे सामोरे जाऊन ज्या मुली जिद्दीने आपला खेळ पुढे सुरु ठेवतात त्यामधील काहींना आयुष्याच्या निर्णायक वळणावर लग्नाच्या बंधनात अडकवून त्यांच्या आशा-आकांक्षाचा गळा घोटला जातो.



बघायला गेलं तर मुलींच्या खेळांच्या या दुर्दशेला शाळा किंवा सरकार जबाबदार नाही तर पालक, शिक्षक व समाजाकडून मिळणारे अपुरे प्रोत्साहन जबाबदार आहे. तिच्या शालेय जीवनात तिला फक्त शिक्षणात लक्ष घायला लावले जाते आणि स्त्रीला मिळालेले शैक्षणिक अधिकार एवढीच स्त्री-पुरुष समानता असे पटवून दिले जाते. प्रगतीसाठी शिक्षण गरजेचे आहे हे खरे असले तरी ते सर्वस्व नाही हे ही तितकेच खरे आहे. तिला दुर्बळ समझणारे तिला खेळण्यापासून रोखून तिचा आत्मविश्वास कमी करण्याचा व घाबरवण्याचा प्रयत्न करतात. राजा राममोहन रॉय व ज्योतिबा फुले यांनी स्त्री समानतेचे जे बीज रोवले होते त्याचे वृक्ष न होता मात्र रोपटेच बनून राहिले आहे. परंतु स्त्रीसुद्धा तेवढ्याच ऊर्जेने कोणताही खेळ खेळू शकते हा विश्वास जर तिच्या मनात असेल तर तिच्यावर बोट ठेवणारे तुम्ही कोण?

तरीही या सर्व समस्यांवर कुरघोडी करत ती राष्ट्रीय व आंतरराष्ट्रीय स्तरावर पोचते तेव्हा तिला प्रोत्साहन देणारे आणि तिची प्रशंसा करणारे फार थोडेच असतात. आजही भारतात स्त्री खेळ बघायला येणारे प्रेक्षकच नाहीत अथवा त्यांच्यासाठी ते खेळ टाईमपासापेक्षा जास्त काहीच नाही. भारतात क्रिकेट हा सर्वात लोकप्रिय खेळ असूनही महिला क्रिकेट सुद्धा अस्तित्वात आहे याची जाणीव देखील काही जणांना नाही. प्रत्येक चार वर्षांनी केवळ तिच्याकडून पदक भेटेल या अपेक्षेने जर खेळ बघत राहिलो तर प्रगती होणे खरंच फार कठीण आहे.

या लेखाचा उद्देश्य एखाद्या महिला क्रीडापटूचे समस्या किंवा अडचणी सांगण्याच्या नाही. इतिहास साक्षीदार आहे की स्त्रीची प्रगती होत आली आहे आणि ती होतच राहणार पण त्या प्रगतीमध्ये तुमचा हातभार नसेल तर काही हरकत नाही पण तुमची अडचणही नको. सरतेशेवटी प्रश्न फक्त एवढाच आहे की समाजाविरुद्ध प्रवास करणाऱ्या त्या सावित्रीला तुमची ज्योतिराव बनून साथ लाभेल का???

- प्रणाली प्रदिप कांबळे  
तृतीय वर्ष, स्थापत्य अभियांत्रिकी विभाग

# नया सवेरा

दस्तक देता सूर्य  
लालिमा बिखेरे आकाश,  
दिन का अहसास कराए  
अंधकार के बीच प्रकाश।

दिन के आरम्भ का संकेत देता  
चिड़ियों का चहचहाना,  
कलियों का खिलकर खुशबू बिखेरना  
ओस की बूंदों का चमचमाना।

मन को आनंदित करती  
मंद मंद शीतल हवाएँ,  
अटखेलियां करती नदी  
पीछे से मीठे वाद बजाएँ।

कुछ इस तरह की शान से  
हुआ एक नया आरम्भ,  
उन्मुक्त हुआ एक नया दिन,  
नयी खोज का प्रारम्भ।

तटिनी के राह में  
या पर्वत की छाँव,  
हम चल दिए इरादे से  
अब बढ़ चुके हैं पाँव।

नया दिन, नया सवेरा,  
नया जोश जगाएँ,  
नई उमंगें, नई सोच,  
खोजें नई दिशाएँ।

आरती श्रीवास्तव  
(टी.वाई.इलेक्ट्रिक)

# एकाकीपन

उसे कल ही तो देखा था । ना जाने क्या कर रहा था वो उस नदी में । समझ नहीं पा रहा था मैं कुछ । नदी के भीतर एक पागल-सा दिखने वाला आदमी, जो हर पल अपने भावों को बदल रहा था। उसकी उन क्रियाओं को देखते-देखते मैं अचानक ही शांत हो गया । ठहर कर उस पागल आदमी को एकटक देखने लगा । चेहरे के भाव अब स्थिर हो चले थे उसके, लेकिन अजीब थे । आज मुझे लगा कि शायद इसी भाव को दुःख कहते होंगे लोग । निराशा और उदासी के ऐसे डरानेवाले भाव किसी के चेहरे पर पहली बार मैंने देखा था । न जाने मैं क्या सोच रहा था , क्यों देखे जा रहा था उस शांत पानी को , उसके भीतर एक अजीब-से शक्ल के आदमी को । जरूर उस गढ़न में कोई बात होगी , जो शांत पानी को भी दिलचस्प बना रही थी ।

थोड़े से भाव बदले उसके लेकिन निराशा कि लकीर जो माथे पर कब से थी, अब तक ना हटी थी। अब वो और भी ज्यादा भयावह लग रहा था । मानो यूँ कि वो ओस कि उस बूँद के समान है, जिसकी प्यास अभी तक जिंदा है, आसमाँ के उस तारे के समान है, जो पूरे आकाश में अकेला है । एकाकीपन का क्रोध उसके चेहरे पर अजीब-सी थकान ला चुके थे, मानों बरसो से चलता हुआ बटोही आज ना जाने कितनी ही धरती लाँघ कर आया हो ।

फिर अचानक पानी की एक बूँद गिरी नदी के उस शांत ठहरे हुए जल में , जिसने उस व्यक्ति को मेरी आँखों से गायब-सा कर दिया । ज़मीन पर पड़े पत्थर को उठाकर पानी में मैंने फेंका और उस प्रतिबिम्ब को उसी पानी में मर जाने के लिए छोड़ दिया ।

नितीश पाल  
(टी.वाई.सिवील)





# space

Find Your Vibe







**H**esitantly, just before the deadline, Neha and I had registered for the 'Nurturing Intelligence for Curious Engineers 2K16' (NICE-2K16) competition. The hesitation was because we didn't have a team to participate in the registered competition. By the next day, we'd built our team. Kshitija Kulkarni, Neha Akode, Shivgovind Gupta, Dhanashree Parab and I; this was our Mechatrical Team!

To give a brief idea about what NICE is; it is a state-level presentation competition conducted annually by the Institute of Engineering and Technology (IET). It is a unique competition wherein Engineering students are supposed to visit Junior Colleges and enlighten their students about Engineering; its scope, vastness and other intricacies. Later, we were to be analyzed on our performance and content delivered in these Junior Colleges.



## MISSION NICE

With this motive in our minds, we were on our mission, mission NICE! We visited three Junior Colleges; T.H.Wajekar Higher Secondary School at Uran,

Valia Junior College at Andheri and S.A Podar Junior College at Santacruz.

We labeled our presentation, 'A Realm of Infinite Possibilities'. Indeed, Engineering provides you infinite opportunities. We began with an ice-breaking session involving an engineering GK quiz. We told them about the areas where engineering is applied, which is practically everywhere. We convinced them about the scientific and rational outlook that engineering develops within a student. We made them aware about the immense avenues that engineering has in store for them.

However, we didn't just cover the rosy aspects of engineering. We were truthful with them in sharing our experience about the cut-throat competition that students face to get into a good engineering college. Also, we touched a very crucial part of any engineering

students back. I personally feel this was the best part of our presentation, as we had delivered something worth taking back for the students.

We had our Mumbai-level and State-level finals on 3rd and 23rd September respectively. The State-level final was held at Dhule. The Jury asked us about our experiences and the delivered content. We were able to clear all their doubts and queries. We were a team of efficient speakers and hence we received a thunderous applaud for our presentation. Thus, we won both the finals.

NICE 2016 was a learning experience for us. After interacting with the students, we realized how blessed we've been throughout our lives. We have always had good education and exposure at our reach. We felt responsible towards those who've not been as privileged as us.

I explicitly want to thank our Principal for the opportunity, Prof. Dr. Shyamlee Solanki and Prof. Dr. Rahul Dahatonde for waiting after college hours and finely polishing our presentation and content delivery. We're grateful to Prof. Vidyulata Joshi for helping us with the logistics. Also, Dhanashree's Prezi-skills had a lion's share in making the team win the final. We're thankful to the IET team for providing us this platform.

Eventually, it wasn't just about winning a competition. We shared our knowledge and expertise where it was needed. We made a difference where it really mattered.

-Prathamesh Mokal

# ISHRAE Committee Report



ISHRAE is the Indian Society of Heating Refrigerating and Air Conditioning Engineers. It is the community of Mechanical Engineers which works in HVAC field all over India. ISHRAE SPCE Students chapter was installed on 29th August 2016. Mr. Mahesh Khedekar is the President and Mr. Rakshith Shetty is the Student Secretary. Mr. Kunal Bhavsar is Faculty Co-ordinator for all the activities of ISHRAE in the college.

- » ISHRAE organizes Industrial Visits, Technical Seminars which are necessary for practical knowledge.
- » Student members can get access to new inventions, discoveries, technical papers related to HVAC industry through journals published by ISHRAE. Meritorious students, in subjects like Thermodynamics, HMT and RAC are felicitated with cash prizes every year.
- » JAMBOREE is an annual festival of ISHRAE Mumbai Chapter, in which members get a chance to explore their knowledge by participating in different competitions like TPP, Project Design, case study, etc.
- » ACREX is a national level festival of ISHRAE, where members get a chance to interact with people from industry, get to know the new trends in HVAC field. Also, there is a national student's design competition, Quiz Competition to Motivate students in the field.
- » ISHRAE also provides placements to the final year students through JOB JUNCTION where leading industries in HVAC field recruits final year students.

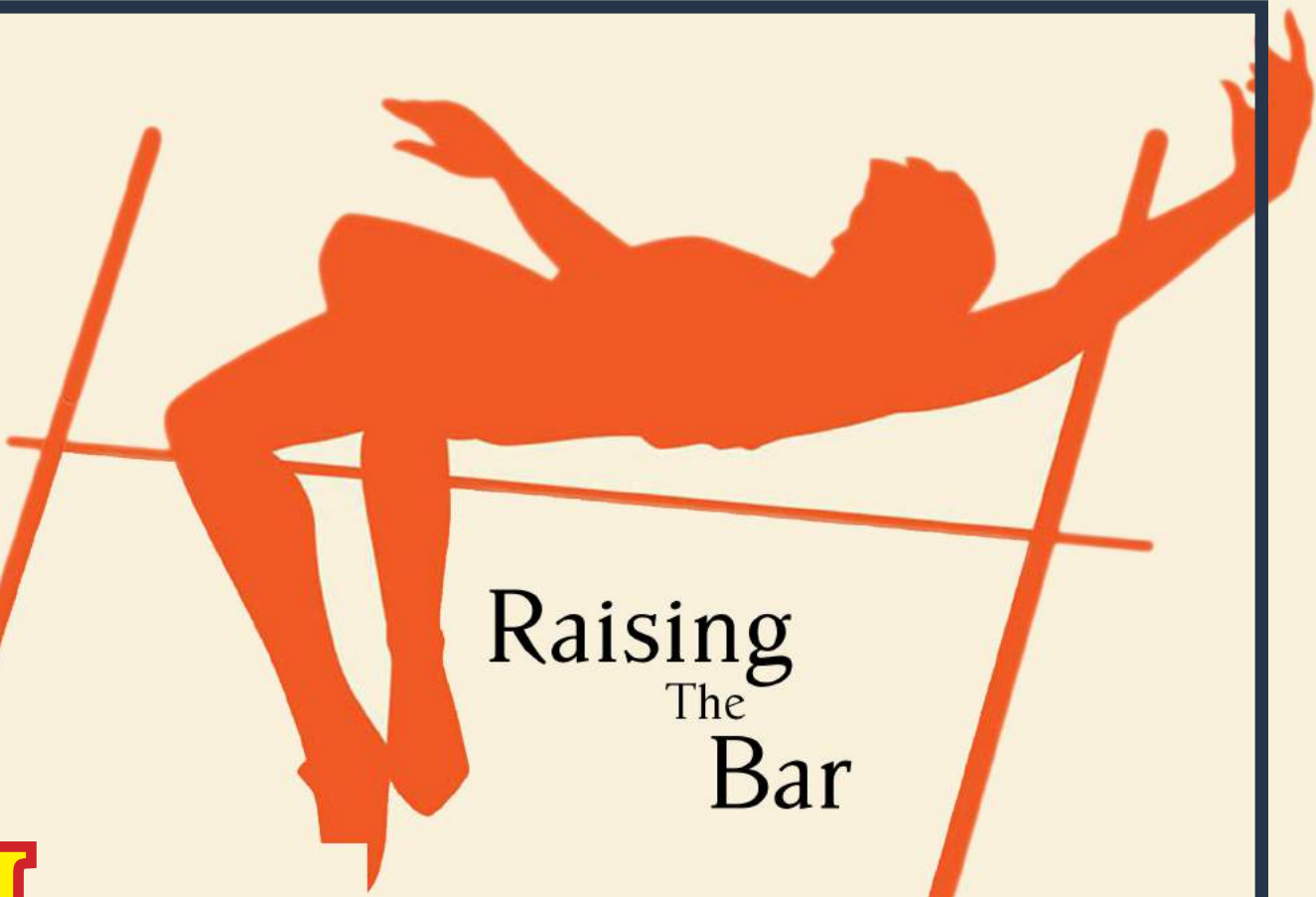
ISHRAE Activities for Academic year 2016-17:

- Industrial Visit to AURO Engineering Works (24th December 2016)
- Industrial Visit to Mitsubishi Electric India (24th January 2017)
- Guest Lecture by Mr. Sanjay Verma on Emerging Refrigerating Technologies.

## Achievements:

- Team consisting Mahesh Khedekar and Mohak Patel was second runner up in Quiz competition in quarter final round held at Ahmedabad.
- First runner up in 'Chapter Selfie' contest held in JAMBOREE 4.
- Winner of Spell Bee contest and Second runner up in case study competition both organized in JAMBOREE 4.

Mahesh Khedekar  
President, ISHRAE SPCE Students Chapter 2016-17



## Raising The Bar

**I**t was a festive evening, chilled air mixed with warmth of competitiveness. As the spotlights hit the arena of the VJTI's Robotics Challenge, the semi-finalist teams, both from SPCE, were gearing up for the upcoming match against each other. On one side, a team of seniors, with experience of the past four years; on the other side, a team of novice juniors, participating for the first time. As this match commenced, another team from SPCE stood waiting for the winner to be decided.

The match had begun, crowd cheering, tires drifting, both the controllers feeling the adrenaline rush. The semi-finals ended, and yet another year, both the SPCE Robocon teams participating in VRC, were in finals. The losing team of juniors, when interviewed, said, "We aren't disappointed with our performance, we worked hard enough till our idols became our rivals."

This was the turning point; this journey had been started by our seniors four years ago, juniors following the trail left by them. As one says 'You don't need to reinvent the wheel', every year students participate, constantly innovating designs and mechanisms, improvising on the foundation

made by seniors, prescient knowledge

junior college.

This all comes down

'What do you

Some say you

while some say for

of practice done, for an annual event. Time

is precious and if you're participating,'

Why not raise the bar at some height, to test your

potential?'

'Why not set some benchmarks and try to

achieve them?'

Raise it till sky's the limit, because above

that, gravity doesn't act and that's called

overconfidence.

We all are going to graduate one day, but our

achievements are going to stay immortal;

inspiring and motivating others to achieve

more. No matter what you do, always aim for

the moon because even if you miss, you're

still amongst the stars.

applying their  
gained during

to one singularity,  
participate for?'

participate to learn,  
experience; months

of practice done, for an annual event. Time

is precious and if you're participating,'

Why not raise the bar at some height, to test your

potential?'

Raise it till sky's the limit, because above

that, gravity doesn't act and that's called

overconfidence.

We all are going to graduate one day, but our

achievements are going to stay immortal;

inspiring and motivating others to achieve

more. No matter what you do, always aim for

the moon because even if you miss, you're

-Uddhav Surve  
TY Electrical



**H**istorically, war has always been an ultimate consequence of differences in the human conscience. It is an act of sheer hatred and brings about immense destruction to public and private lives and property. It is an event that surges patriotism in the hearts of a few and while invoking immense hatred in that of others; brings about truth before someone's eyes while leaving the rest blinded by promises; tires those in conflict while bringing fear in the minds of their many. It has continued to act as an impending threat whenever there is the slightest hint of discontent among the masses.

Why is an idea that was once nascent in the deepest archives of a few minds become a looming threat to the entire world? What is it that provokes such large numbers of people?

War is conventionally thought to be the deciding factor in determining one side's military prowess over the other. However, it is an outcome of radical yet conflicting minds in action. Just like any other reform, it has been an idea that is



a few ambitious and tireless men. Although it is not very easy to force an entire population into believing in a common cause, the same idea, when gilded with egalitarian prospects, achieves the required effect. John Steinbeck famously quoted, "All war is a symptom of man's failure as a thinking animal". However, it can also be rephrased as, "All war is a symptom of a few men's success as a thinking animal". Napoleon, Hitler, Lincoln and many others were not just political figureheads, but powerful thinkers of their eras. Their decisions have shaped history as we know it. They have succeeded in ruling millions of men with iron fists solely by their ability to put their men alongside rather than against themselves. This has been the most significant trait of a leader- the ability to influence people into thinking in a specific way and charging them into action. And this is exactly why warfare has been a recurrent event in the timeline of human civilization, irrespective of geographical or cultural boundaries. The underlying motivation behind a conflict could be different, but the fueling factor remains the same. As a result, men, women and children alike, regardless of their professions or their socio-economic and cultural stances, have been active participants in combat. Those who benefit from it voluntarily engage, while some join for the sheer excitement it promises. While some see it as a chance to explore the world, some are bribed by the status they'll bring for themselves and their societies. Demagoguery and persistent persuasion drives millions into action and gives people something to look forward to in their otherwise mundane lives. The motto 'there is something for everyone' has been the whip leaders have been wielding to achieve required results. Ambition to achieve something by a select few can drive millions into thinking that they all share common goals and occludes their visions into seeing the "ultimate good".

It is rather bewildering how organised acts of hatred can be marked as the beginning of a new era. Blasphemy when tailored to the likes of humanity can unleash the deadliest creatures we could hardly see ourselves as.

**-RANJANI NARAYANAN  
SY ELECTRICAL**



# ROBOCON 16-17



Every year, the SPCE Robocon Team comes back with a new found respect towards Robotics after an indescribable experience in the Robocon competition. This year we took maximum efforts to build a robot that could achieve Appare(Successful task completion). The team put in its energy into making the robot based on calculations. This time, we incorporated simulation using Ansys for designing structure and Eagle for circuits. Due to a mechanically demanding theme, we encouraged the production of parts using 3D printing, Laser cutting, CNC milling and water jet machining for accuracy. One of the aspects where we advanced was incorporating image processing and PID to automate the task. The whole team worked dedicatedly till the end, even during the days of the competition. Even if we could not make it to the top, we learned novel things and were exposed to various pressure dealing situations. At the competition, we interacted with, and learnt from different teams from various parts of the country and made new friends with similar interests. Overall it was a good learning experience, and it would not have been possible without the support of Anupa Sabnis ma'am, throughout the year.

The Robocon Team

# O Querulous Man

Quiver softly, O querulous man, and  
with yellowing eyes begrudge the quiet  
pitter patter of buckled shoes, skin tanned  
by schooldays of sunlit, childhood riots.

Begrudge her deep daring dreams, so intact  
and ink stained hands wiping down on nascent  
limbs that grow with growing dreams so abstract.  
Once, that querulous man, with hopes did glint!

Querulous man! Of harsh hump, shattered hips,  
oh, you limp a sorrowful limp, you trudge  
with fingers pressed against cracked, bleeding lips  
knotted, like her hair you brush, you begrudge.

(in the throes of dusk, as she plays he hides  
his rotting flesh in uniform, plaid disguise,  
wraps an emblem around his throbbing throat.  
querulous man, does madness keep you afloat?)

Cast, into a cracked mirror fearful looks,  
sob wracking sobs against crumpled notebooks,

Wake, querulous man, in freezing flames bathe!  
Yank her tangled locks into long pigtails.  
Grimace, send her off with her hopes unscathed.  
Weep then, for in your broken dreams she sails.



-Nidhi Sridhar  
SY Electrical



# हरवणारे

# मन



असचं एकदा एकांतात निसर्गाच्या सा-  
निध्यात सौंदर्य न्याहाळत बसलो होतो  
आणि हळूच एक विचार मनात डोकावला.  
सुरुवातीला वाटलं की इतर विचारांप्रमाणे  
हाही एक छोटासा विचार असावा पण पु-  
ढच्याच क्षणात कळलं कि हा काही नुसता  
साधासुधा विचार नसून माझ्या स्वभावात  
नकळत घडणारा एक बदल आहे. बदल!  
बदल माझ्या मनातला, माझ्या हरवणार्या  
मनाचा!

खरं म्हणजे मलाच ठाऊक नाही की काय  
होतंय, माझ हे मन सध्या पहिल्यासारखं  
माझ्या नियंत्रणात राहत नाही, ते आता  
हरवत चाललं आहे. स्वतःचा विचार कर-  
ण्याऐवजी दुसऱ्याच गोष्टीत रमत आहे.  
माझ विश्व असणार्या माझ्या आई-बाबां-  
ची काळजी करण्यात माझं मन खचत  
आहे. भविष्याच्या विचारात रमणार्या या  
मनामुळे मी माझ्या वर्तमानातल्या क्षणांचा  
आनंद गमावत आहे. जणू एखाद्या फुलपा-  
खराप्रमाणे या मनाची स्थिती झाली आहे.  
ज्याप्रमाणे फुलपाखरू मोहक सुगंधामागे  
आकर्षित होऊन स्वतःची वर्तमान स्थिती  
गमावतो त्याचप्रमाणे माझं मनही अना-  
वश्यक गोष्टींचा पाठलाग करण्यात आणि  
निव्वळ एका भासात्मक परिस्थितीला प्र-  
त्यक्षात उतरवण्याच्या प्रयत्नात धडपडत  
आहे.

कदाचित याच सगळ्या कारणास्तव मनात  
डोकावलेल्या या विचाराला सामर्थ्य मिळते  
आणि अचानक एक सत्यस्थिती डोळ्यां-  
समोर उभी राहते, की 'माझं मन हरवत  
चाललं आहे...' सगळ कळतंय या मनाला  
तरीही बेभान होऊन भटकतय, जाणवतंय  
की चुकीच्या दिशेने चाललोय तरीही सगळ  
काही विसरून उडतंय. वेळ निसटून जा-  
ण्याआधी या मनाला सावरण्याची गरज  
आहे, योग्य दिशेत लक्ष केंद्रित करण्याची  
गरज आहे आणि त्यासाठी साथ हवीय  
ती फक्त माझ्या मित्रांच्या सांत्वनेची व  
घरच्यांच्या विश्वासाची!

मित्रांनो! सावरा माझ्या या मनाला, पूर्णप-  
णे हरवण्याच्या आधी कारण हे हळवे मन  
एका दुसऱ्या मनाशी जुळू पाहत आहे परंतु  
हे मना! तू त्या दुसऱ्या मनासाठी स्वतःला  
'हरवू नको रे... हरवू नको रे...'

-प्रणेश हिरे,  
तृतीय वर्ष,  
स्थापत्य अभियांत्रिकी विभाग





# आता मी मागे हटणार नाही!!

भूषण लक्ष्मण कोकाटे,  
तृतीय वर्ष,  
स्थापत्य अभियांत्रिकी विभाग

घेतला वसा सोडणार नाही,  
मागे वळून बघणार नाही,  
पुढचे पाऊल मागे घेणार नाही,  
आता मी मागे हटणार नाही ॥७॥

कितीही आल्या लाटा,  
मोकळ्या करीन माझ्या वाटा,  
घाबरून मी मैदान सोडणार नाही,  
आता मी मागे हटणार नाही ॥१॥

मी शिवरायांचं काम करतच राहीन,  
सोबत दीनदुबळ्यांना मदतही करीन,  
आश्वासने देऊन मी पळणार नाही,  
आता मी मागे हटणार नाही ॥२॥

बाबासाहेबांना नेहमी ठेवीन मी स्मरणात,  
आणीन त्यांचे विचार आचरणात,  
फक्त जय भीम बोलून चालणार नाही,  
आता मी मागे हटणार नाही ॥३॥

करेल भ्रष्टाचाराशी दोन हात,  
चांगल्या कामाला नेहमी देईन साथ,  
वाईट कामात वेळ वाया घालवणार नाही,  
आता मी मागे हटणार नाही ॥४॥

मी करेन माझं उद्देश्य पूर्ण,  
त्याच्यासाठी करेन सारं जीवन अपर्ण,  
मिळालेली संधी दवडणार नाही,  
आता मी मागे हटणार नाही ॥५॥

आईवडिलांना निराश करणार नाही,  
त्यांचे उपकार कधी विसरणार नाही,  
अपयशाच्या दुःखात झुलणार नाही,  
आता मी मागे हटणार नाही.. हटणार  
नाही.. ॥६॥

# INTERVIEW

Mr. Shashank Lahoti is a recent graduate of SPCE with a Bachelors' degree in Civil Engineering. There are several features to be noticed and perhaps emulated, as we map out his journey from SPCE to that of a working professional. Mr. Lahoti chose to pursue his passion despite getting placed in a dream company like Lodha, deciding instead to opt for GATE. His efforts paid off wonderfully as he finally secured a coveted post at **BARC**, currently employed as a **Scientific Officer**. Through this interview, we hope to share with our readers the inner workings of a governmental organization like BARC and the process of acquiring a position in the same, in the words of Mr. Shashank Lahoti.



**1** As a recent graduate can you cite the major challenges you faced regarding your shift from academia to the corporate environment?

----- As a Civil Engineer, the major challenge I faced while shifting from academia to corporate world is coping up with practical aspects of construction. As a structural Design Engineer, one has to be well versed with the knowledge of site, as the design engineer has to understand and keep in mind the difficulty in construction and the cost of construction of a particular building involved along with the safety of the structure.

**2** How best can students equip themselves as they begin

**their foray into the professional scene?**

----- First of all the students should be thorough with the knowledge of all the important subjects in their field. Along with that, they must read magazines and journals for all the recent developments in their field. They must properly learn the basic software such as Excel and Matlab, as these mathematical tools are very important in any stream of engineering.

**3** Could you pitch in your tips and tricks regarding the placement process and what recruiters look for in prospective employees?

----- The first thing that the recruiters look for is the confidence level of the candidate. The most important thing I can say is to prepare your resume properly. One must know all the points that are mentioned in the resume, for example, if you have attended some internship during your college, then you must know everything learned during that period.

**4** Despite getting placed in a Dream Company like Lodha, you decided to pursue further studies. This seems like a very conscious decision on your part.

**Please shed some light on the same?**

----- I always wanted to go for higher education, but as one knows, GATE is very unpredictable exam. So I decided to take up placement, because if wouldn't have got a good rank in GATE examination, I would have wasted my one precious year. Yes after clearing GATE exam I decided to leave Lodha, as I felt that once I get into job, it be difficult to pursue higher studies.



**5**

**Can you give us a brief description of the demands of your current employment as a Scientific Officer in BARC?**

----- In BARC, I am expected to design Industrial, residential and nuclear safety related structures. My job profile is partly design and partly research. My research topic is "Development of link model to include the in plane stiffness effect of infills in the analysis of structures."

**6**

**BARC is a coveted institute to work for. Can you explain, as a member, the workings of the institute?**

----- The role of an engineer is quite diverse in BARC. It depends on which division you join and what work you get. People also get the opportunity to do research.

For Civil Engineers, there is variety of work profiles in BARC. One can be posted as a design engineer, Site Engineer or in Research. NPCIL is PSU which works in collaboration with BARC. It deals with the Design, Operation and Construction of nuclear power plants across India. Engineers can be posted in NPCIL as well

after their one year orientation and training programme in HBNI. You can also be placed in IGCAR/FRFCF a flagship project of DAE, the very first of its kind,

a joint project by BARC and IGCAR. Besides these you may be placed outstations also for ongoing projects that are in collaboration with various institutes e.g; Indian Neutrino Observatory Project. Most of the projects are very challenging and as an engineer you will gain tremendous knowledge. For promotions in BARC one has to go through the promotional interviews for which one has to stay updated and at the same time not to forget the basics of their stream of Engineering.

**7**

**How well has your four year stint at SPCE prepared you for the pressures on the job front?**

----- SPCE has helped prepare me for the competitive world outside college life in lot of ways. First of all, the lecturers

and the faculty in SPCE are very good, especially for structural engineering, because of which I gained a strong foundation for the work I am taking up in BARC. Along with that, I had very good friends in SPCE who helped me on many fronts. SPCE helped me in gaining enough confidence to face the outside world.

**8**

**What are the emerging trends in Civil Engineering that students ought to focus on during their Undergraduate journey?**

----- As I have already suggested, students need to focus well on their technical studies. Along with that, they should watch educational videos for practical knowledge in their field. They should start attending Seminars and Workshops for various software in their field of interest.

**9**

**As this would be of great help to students looking to enter governmental organizations, could you give us the behind the scenes of your recruitment process?**

----- I was first selected on the basis of my GATE score (99.67 percentile), then I had to go through the technical interview. It was the toughest and the best technical interview I had faced. It was one hour long, but the interviewees made me very comfortable. They helped me whenever I felt a bit nervous. Moving into a good government job one has to be very strong technically.

# Sympathy

A divine vendue was held by the bay,  
To it came men from places far and wide,  
For a heavenly quality they pay,  
With their lives, by which they then abide,

Some yelled strength, others shouted  
bravery,  
Some wanted smartness, logic some  
preferred,  
I was small and helpless as you can see,  
For throughout, I went unseen and unheard

He saw me then, perhaps took some pity,  
But could do nothing, the vendue lay bare,  
Gone were strength, bravery and pretty,  
Taken even were affection and care,

And then God pointed his finger at thee,  
And said, 'for there you have my Sympathy'

-Anand Wataney  
SY Electrical



## CHAOS

Here I am, amidst the chaos in my mind,  
And the only way out is to rise above it.  
I know it is difficult, but I shall remember  
That I am the creator of my own chaos,  
And that only I have the power to destroy it.

So I shall overcome it,  
However intriguing it may be,  
For I shall rise above my fears and live up to my dreams,  
For they belong to me.

I shall get over my strife and be unstoppable by the winds of time,  
I shall achieve what I dream as I rise above my chaos.

-Tejal Panchal  
SY Mechanical

# Beyond The Horizon

Before Galileo reintroduced the heliocentric model, and popularized the claim by Ancient Greek mathematician Pythagoras that the earth was actually a geoid; people would actually believe that they'd be closer to the sun by reaching the edge of the flat earth. They were the ones who ridiculed and repudiated his works until it was proven otherwise.

People often try to make sense of everything observable in the surroundings, as is the human nature. What I often find odd, in such a setting, is the judging that follows, when they see things they cannot deem

to be conventional. These are the times when they must realize that there are things that are beyond the conventional thought process and that with time, that these enigmatic observations will begin making sense. But people often confine themselves to their predetermined notions instead, or allow themselves to be comforted by certainty. Looking beyond, into the uncharted territory is taboo for them.

Beyond the horizon, things are uncertain, sure. But that only means that there are an infinite number of possibilities. If people are more open-minded towards all ideas; accepting, rejecting, conveying ideas on the sheer off-kilter nature of them, it'll help them travel deeper into this area, and it'll help you add dimensions to you, dimensions you never knew you could possess within yourself. Once you take the first step, an infinite world of possibilities awaits and you'd wonder why you had ever confined yourself to that suffocating room of ideas with no windows to let light in. You need to realize that humans



evolved into what they are when they explored, without confinements, without any shackles of conformity or linearity. Blast that smothering room, and let yourself out! You'd be living out in the world, where life is uncertain, but free. Fly into this infinite space of thoughts and it'll come to you, your calling, your passion. It'll make you whole.

-Ujjal Mavinkurve  
SY Mechanical



# देश की मिट्टी

पैरो तले जो मिट्टी है , श्रृंगार अब उसका होना है !  
औरों के लिए होगी यह मिट्टी, तेरे लिए यह सोना है !!

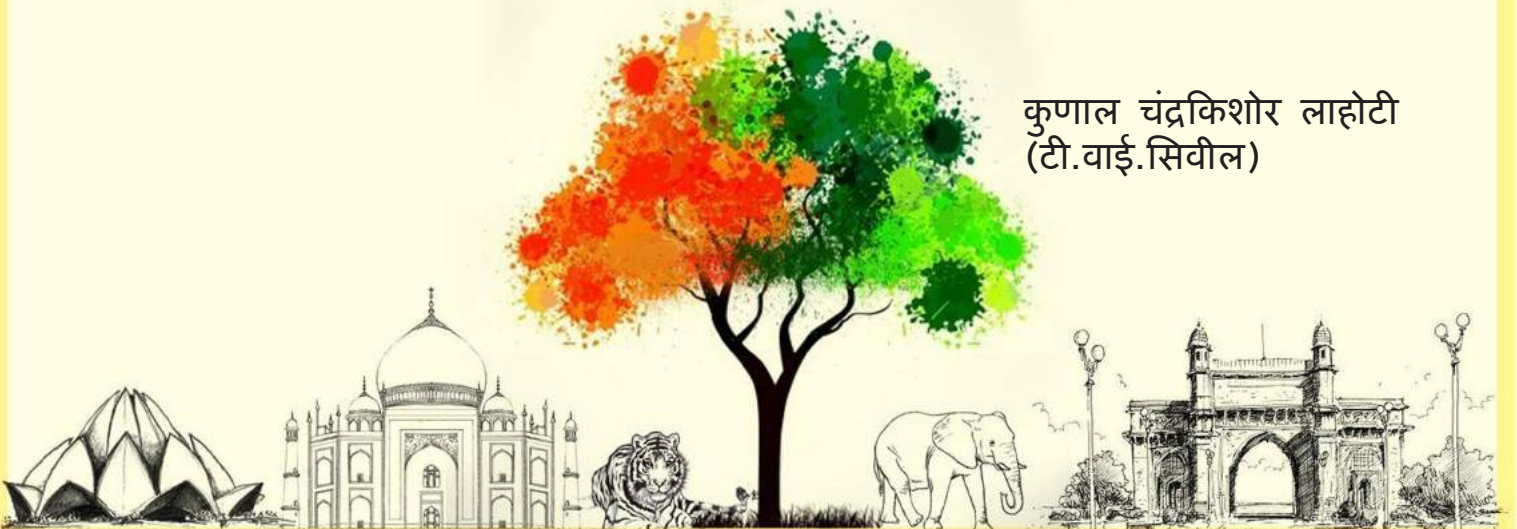
देश है तेरा, लोग है तेरे, देश को तू ही बदलेगा !  
भ्रष्टाचार से, अत्याचार से, देश तभी संभलेगा !  
तेरे ही कर कमलों से उद्धार अब इसका होना है !!  
पैरो तले जो मिट्टी है ,श्रृंगार अब उसका होना है !  
औरों के लिए होगी यह मिट्टी, तेरे लिए यह सोना है !!

क्यों मार काट यहाँ होती है, क्यों लाठी डंडे चलते है !  
लोगों के घर जलते है ,माँ के लाल मरते है !  
अमन शांति के सन्देश का, वाहक तुझको होना है !!  
पैरो तले जो मिट्टी है, श्रृंगार अब उसका होना है !  
औरों के लिए होगी यह मिट्टी, तेरे लिए यह सोना है !!

पढ लिख कर अपने देश से तुम प्रदेश क्यों जाते हो !  
अपने कौशल से गोरों का कारोबार बढ़ाते हो !  
तेरी क्षमता और कौशलता हमको नहीं खोना है !!  
पैरो तले जो मिट्टी है, श्रृंगार अब उसका होना है !  
औरों के लिए होगी यह मिट्टी, तेरे लिए यह सोना है !!

बुद्धिजीवी और परिश्रमी जब छोड़ के घर जाते हैं !  
अर्थव्यवस्था और तकनीकी में हम नुकसान उठाते है !  
रुक जा कि इस मिट्टी कि, और प्रगति होना है !!  
पैरो तले जो मिट्टी है, श्रृंगार अब उसका होना है !  
औरों के लिए होगी यह मिट्टी, तेरे लिए यह सोना है !!

कुणाल चंद्रकिशोर लाहोटी  
(टी.वाई.सिवील)



# ज़िन्दगी-एक कहानी

मेरी ज़िन्दगी एक कहानी ,  
है अनसुनी और अनजानी ।  
खुशियों के पलों में , मैं हँसकर सोया ,  
देख दुःखों को , जी-भरकर रोया ।  
रात बीती और दिन बीता ,  
हँसकर मैंने ग़मो को जीता ।  
राह में कांटें थे मगर ,  
पहुँचना तो था अपनी मंज़िल पर ।  
समय की दौड़ ने मुझे थकाया ,  
पर जीना तो इसी ने सिखाया ।  
काली रात में देखता मैं तारों को ,  
दिल से याद करता अपने प्यारों को ।  
तब किया कठोर अपना तन-मन,  
पर जारी था जीवन का यह गमन ।  
अब समझा, ज़िन्दगी का कोई अंत नहीं ।  
ढूढ़ निश्चय , साहस और बलिदान ,  
अपनाकर हम सब बन सकते महान ।

शुभम सिंह  
(टी.वाई.सिवील)

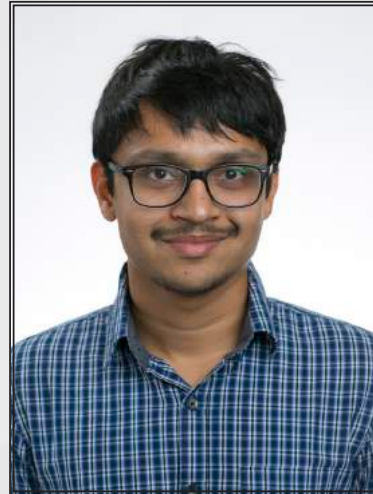
## पिता

इंजीनियरिंग में कर रहा था ,  
पर मेरे ख्याबों की नींव कोई और बना रहा था ।  
ज़िन्दगी के सर्किट में पावर सप्लाई कोई और दिला रहा था ।  
मंज़िल के रास्तों पर गाड़ी मेरी ,  
पर ना जाने पेट्रोल कोई और क्यों भरे जा रहा था !  
खुद थककर भी मुझ में ऊर्जा भरे जा रहा है ।  
सपने मेरे थे , पर उसपर चलने की राह कोई और सजा रहा था ।  
प्यार तो सब दिखाते हैं ,  
पर कोई बिना दिखाए भी प्यार किये जा रहा था ।  
जब कभी मैं डरा , हिचकिचाया ,  
भीड़ में खड़े , आँखों से दिलासा कोई और दिला रहा था ।  
मैं इस उपकार की भरपाई कर पाऊँ या नहीं , पता नहीं ।  
पर बिना इस आस के भी कोई हम पर स्नेह लुटाये जा रहा है ।

निलेश तिवारी  
( टी.वाई.सिवील )

# INTERVIEW

with Mr. Prakhar Mehta



Mr. Prakhar Mehta, as an Electrical Engineering Graduate of the batch of 2016, speaks to the student community in a largely intimate fashion. Presently pursuing Energy, Science and Technology at ETH, Zurich, Mr. Mehta sheds light on the requirements of further studies, the rigors of his course, the essential skills expected in a foreign university graduate and more, in this interview with us.

**1** You are currently pursuing Energy, Science and Technology at ETH Zurich. Could you throw some light on the nitty-gritties of your course and your motivation behind opting for the same?

The course is centered on Energy and its several aspects. It offers specialization on Energy to students with various backgrounds in the fields relevant to their area of study. Fields included are Heat transfer, Electric Power Systems, Renewable Energy and Energy Economics, which focuses on Energy market and its optimization.

The reason I chose to pursue this field is because Energy is a very broad field and has always intrigued me. I find it very interesting and also challenging at the same time.

**2** As a recent graduate, how well did your stint in SPCE prepare you to take on the challenges in your Masters' Program?

I found the curriculum of SPCE to be very broad and useful for further studies. With a little more practice, students can establish a good knowledge base, which can help them a lot in future.

A few courses that I have the option to pursue at ETH have several topics already covered in SPCE, so I can devote my time in learning new topics, as my basics are clear. I find that very useful.

**3** Could you give us a little background on the activities you were involved in, in college that strengthened your personality and profile for your Masters?

I was involved in a lot of activities in college, like volunteering and organising events. I believe these activities helped me strengthen my personality; these activities helped me learn how to accept criticism, improvise a given



situation, take quick decisions and become more confident. I realised that it is important to be completely dedicated to whatever you are currently doing.

The activities also taught me money management, people management, Information management, and most importantly, time management.

**4** You are a role model for students with your perfect blend of academia, co-curricular and extra-curricular pursuits. How did you manage to achieve this balance?

I think proper time management can go a long way in managing several activities at once. It is important to be dedicated and consistent in what you do. What is important is to not dwell on the negatives, accept them, and to go on. What would motivate me was that I believed I could be good in these fields, and I would put all my efforts into it, and just do it!

**5** What, according to you, are the pre-requisites for getting into a good university?

Motivation to study, and dedication towards it, is what I believe, what one primarily requires the most for pursuing further studies. The application process, entrance exams, whether in India or abroad, is the next step.

But the motivation to broaden your horizons is a definite pre-requisite for a good university.

**6** How important is it to publish or present research and technical papers to strengthen your profile?

It is important to publish your report and work on projects. A lot of hard work and research must be put into it, and students should go outside the curriculum and practically work on the project and research

as far as possible. Only then would it help you gain more knowledge, as it is the process that helps more than the end result. Also, if aiming for printing a paper, ensure that the journal aimed for is a reputed one, not only it has more value, it will also motivate you into going beyond.

**7** What additional courses, programming languages or basic software should students be armed with before taking on a foreign course?

MATLAB is an essential tool, which is indispensable in the field that I have chosen and for Electrical Engineering in general. Specialized knowledge of certain software or programming language depends on the chosen field, though several software are multidisciplinary. Knowing even one or two software can help to easily learn a new one.

**8** As an Alumnus of the college, what message would you like to give to the students currently studying in SPCE?

Dig deeper into what you learn, not just to pass the exams, but also to learn better. Be flexible, accept that failures will come, and work around that.

Be serious in what you study, and strive to be the best in what you do!

# Tomorrow Came So Quickly

Locked away in the vaults of time  
Far from the bellicose present  
As if looking for the full moon, from today's crescent  
Seemed so fertile and distant,  
Now that you have dawned upon me,  
Your elusive nature seems persistent  
So much I kept for you,  
Wishing you would accommodate  
But you are just as finite as now,  
Leaving me and my hapless fate  
There's so much I could have done today, hadn't I waited for you  
Now I reminisce when time has bid me adieu  
The book which I wanted to read,  
That girl for whom my heart would bleed,  
The philosopher whom I wanted to heed,  
All left to you.....  
You owe me all of this and more it's this promise you made,  
Was there even an ounce of truth?  
Or just a protracted charade  
So Innocently I walked into your arms,  
Hoping you would embrace me like a passionate lover,  
You had thorns all over you,  
And I always imagined you as a dainty flower  
Learn from me, don't make my follies thine,  
Act now and the day after would turn out to be fine...

-Jasraj Sarode  
B.Tech Electrical

# The Mulberry and the Thrush

The summer scent was in the air  
Nature seemed to blush,  
By the river, they lived together  
The mulberry, and the thrush.

Her roots dug deep, the mulberry,  
The bearer of fruit and shade  
Her delicate scent spread all around,  
The sunlight, in her tresses played.

The thrush was a creature of the sky,  
His love was a different kind,  
Passionate and all consuming,  
An unshackled heart and mind.

One thoughtful, the other reckless,  
Their hearts together burn'd.  
Lost in love they were unaware,  
As summer into winter, turned.

The river froze, and all was bare  
The mulberry now needed care,  
But the thrush, thirsting adventure,  
Chirped and flew away from there.

Alone she stood, cold and sad,  
Her love had been for naught,  
The thrush found a cozy home,  
"This was meant to be" he thought.

The ice slowly thawed in spring,  
The last to bear leaf, the mulberry,  
The thrush, unrestrained, flew again,  
The spirit of spring, was he.

The summer was in the air again.  
Her fruit, her shade he sought,  
The mulberry had grown more beautiful,  
A change that the spring had wrought.

For living in the heart of the Mulberry,  
Was a squirrel, handsome and bold,  
Filling his home with acorns,  
To pull them through the cold.

- Rohit Patwardhan  
B.Tech Mechanical

# व्याख्यानमाला

व्याख्यानमाला म्हणजे आपल्या आयुष्यात अपार संघर्ष करून आणि दैदीप्यमान यश मिळवलेल्या विख्यात व्यक्तिमत्त्वांचे विचार ऐकण्याची एक सुंदर पर्वणी..



या स्पर्धात्मक युगात टिकून राहण्यासाठी ज्ञान खूप आवश्यक असते. हे ज्ञान प्राप्त करण्यासाठी आपल्याकडे खूप सारे पर्याय उपलब्ध असतात आणि त्या पर्यायांपैकी एक म्हणजे व्याख्यानमाला. विद्यार्थीदशेत असताना आपल्या ज्ञानाची रिकामी झोळी भरून घेण्यासाठी, उच्च विचारांमधून प्रेरणा मिळवून आपल्या अस्तित्वाची जाणीव या समाजाला करून देण्यासाठी ज्या स्फूर्तीची आवश्यकता असायला हवी त्या उद्देशाला डोळ्यांसमोर ठेवून व्याख्यानमाला आयोजित करण्याची सुरुवात गेल्यावर्षीपासून आपल्या महाविद्यालयाच्या सांस्कृतिक कार्यक्रमात (SPACE) झाली.



गतवर्षी महेश काळे यांच्या व्याख्यानाला मिळालेल्या उत्स्फूर्त प्रतिसादाला पाहून व्याख्यानमालेला वेगळ्या उंचीवर घेऊन जाण्यासाठी आणि विद्यार्थ्यांचा उत्साह शिगेला पोचवण्यासाठी या वर्षी तीन मोठ्या व्यक्तिमत्त्वांना आमंत्रित करण्यात आले होते. पहिले होते कायद्याचे डॉन, कसाबचा कर्दनकाळ, एक उच्च दर्जाचे विशेष भारतीय सरकारी वकील, पद्मश्री डॉ. उज्ज्वल निकम, दुसरे होते हिम्मतबाज, धडाकेबाज व्यक्तिमत्त्व असणारे IAS ऑफिसर तुकाराम मुंढे, शेवटचे होते सियाचीन सारख्या प्रदेशात देशराखण करणारे रिटायर्ड आर्मी ऑफिसर कर्नल शैलेश रायकर.

“आयुष्य हे कुठेही आनंदाने बागडण्याच क्रीडांगण नाही तर प्रतिकूल परिस्थितीत लढण्याच समरांगण आहे. कुठे थांबाव आणि कुठे बोलाव ही तत्त्व आयुष्यात आत्मसात करता आली पाहिजेत. Practical Wisdom ही यशाची उंची सर करण्याची एक पायवाट आहे.” - पद्मश्री डॉ. उज्ज्वल निगम.

“आयुष्यात नेहमी नैतिकता, निष्ठा आणि सत्य या तीन गोष्टी माणसाला यशस्वी बनवतात. नाहीतर शेवट हा अतिशय वाईट होणार हे नक्की. प्रत्येक विषयाच्या दोन बाजू असतात पॉसिटिव्ह आणि नेगेटिव्ह मग हे तुमच्यावर अवलंबून असतं की आनंदी राहायचा की नाही. आयुष्यात जे काही कराल ते systematic and planned असावे. फक्त ध्येय असून चालत नाही तर ते सतत डोळ्यात जपणं महत्वाचं असतं.” - तुकाराम मुंढे.

“देशाचं अस्तित्त्व आर्मीच्या ताकदेवरचं अवलंबून असतं. सियाचीन सारख्या ठिकाणी राहणं म्हणजे लेचापेचा असून चालत नाही तर त्यासाठी धिप्पाड शरीरयष्टी लागते. देशसेवा करण्यातला आनंदच वेगळा असतो. जेव्हा जेव्हा देशात आपत्कालीन स्थिती निर्माण होईल तेव्हा तेव्हा आर्मीचीच गरज पडणार.”- कर्नल शैलेश रायकर.

ह्या व्याख्यानमालेचे उद्दिष्ट केवळ ज्ञान प्राप्त करणे हा नसून प्रेरणादायी हेतू साध्य करणे हा आहे. ह्या दोन दिवसांच्या व्याख्यानमालेच्या पर्वामधून हा हेतू साध्य करता आला. या व्याख्यानमालेतून नक्कीच एक नवीन पायंडा पाडला गेला आहे. निश्चितच आपल्या विद्यार्थ्यांना यातून प्रेरणा मिळेल आणि पुढील काळात व्याख्यानमालेसारख्या कार्यक्रमातून नवनवीन वक्त्यांना ऐकण्याची संधी मिळेल अशी आशा बाळगतो.

-अंकित पुरकर  
व्याख्यानमाला आयोजक

# वसुंधरा

बाष्परूपी मेघास असे या,  
आस हो सागरमीलनाची,  
गर्जत बसे श्यामनिळा तो,  
साथ तयाला पवनाची,  
सृष्टी सारी लखलखली,  
ही गायन करती जलधारा,  
गड-गड कड-कड करे श्याम तो,  
अन प्रसन्न झाली वसुंधरा ॥१॥

चंचल मन तर होई सुखकर,  
पाहुनी धनुष्य इंद्राचे,  
सूर्य चमकला पाऊस सरला,  
त्रिभुवन भासे पाचूचे,  
सृष्टी चमचमली सुमनांनी,  
सुमन जणू रत्नांचा घडा,  
कृष्ण धवल बलरामाच्या लिलेत,  
रंगली ही वसुंधरा,  
गड-गड कड-कड करे श्याम तो,  
अन प्रसन्न झाली वसुंधरा ॥३॥

थंडगार हा सुटला वारा,  
निनादला आसमंत सारा,  
शहारली झाडांची पाने,  
अन कोसळल्या श्रावण धारा,  
सृष्टी सारी सुखावली रे,  
जव दाटून आले आभाळा,  
गड-गड कड-कड करे श्याम तो,  
अन प्रसन्न झाली वसुंधरा ॥४॥

थर-थर खग तर कापे बघुनी,  
इंद्रवज्रपरी विद्युल्लता,  
लोटांगण घालती वृक्षही,  
जणू तीच देवी ललिता,  
धबधबा पाण्याने मनोहर होई,  
ही निर्मळ वसुंधरा,  
गड-गड कड-कड करे श्याम तो,  
अन प्रसन्न झाली वसुंधरा ॥२॥

-निनाद सुनील कुलकर्णी  
द्वितीय वर्ष, यांत्रिक अभियांत्रिकी विभाग



विश्वास!! या एका शब्दातच सारे विश्व आणि सार्या विश्वाचा श्वास सामावलेला आहे. विश्वास म्हणजे नक्की काय? कोणत्याही नात्याचा पाया म्हणजे विश्वास, दोन व्यक्तींमधील बांधिलकी म्हणजे विश्वास, सर्वात जास्त वेळा जन्माला येणारी आणि मृत्यू पावणारी गोष्ट म्हणजे विश्वास. खरतरं विश्वास हा खूप छोटा शब्द आहे ज्याला वाचायला अवघा सेकंदही लागत नाही परंतु निभवायला संपूर्ण आयुष्य देखील कमी पडते. विश्वास म्हणजे ती दोरी जी कधी तुटू नये कारण एकदा का ही दोरी तुटली की पुन्हा जोडता येत नाही आणि चुकून जरी जुडली तरीही एक गाठ मात्र कायम राहते आणि तीच गाठ पुढे दुरावा निर्माण करते.

किती सहजतेने आपण म्हणतो ना की 'विश्वास गेला पानिपतच्या लढाईत' पण खरंच विश्वास इतकी साधी गोष्ट आहे का की ती इतिहासजमा व्हावी? नक्कीच नाही. विश्वास कुणाचा, कुणावर, किती असावा हे ज्या त्या व्यक्तीवर अवलंबून असते मग त्या विश्वासाच्या मोबदल्यात जर त्याला समान विश्वास मिळत नसेल तर त्यात विश्वासाला दोष देण्याचं काहीच कारण नाही. विश्वास जर मिळवता येत नसेल तर त्यात आपली चूक नाही कारण ती काही वस्तू नाही जी आपण विकत घेऊ शकतो, विश्वास एक भावना आहे जी आपल्या मनातून येते आणि जर ती भावना कोणाबद्दल येत नसेल तर काही चुकीचं नाही. समोरच्या व्यक्तीवरील आपला विश्वास योग्य की अयोग्य हे एकदा स्वतःच्या मनाने पडताळून पाहणे हे आपलेच कर्तव्य असते.

विश्वासाशिवाय या विश्वात काही करणं शक्य नाही कारण विश्वासाच्या जोरावर आपण जग जिंकू शकतो. प्रत्येक नातं हे विश्वासाच्या पुलावरचं टिकलेलं असतं. संपूर्ण विश्व हे एकमेकांशी नात्यांनीच जोडलं गेलेलं असतं आणि ती नाती जर टिकवायची असतील तर विश्वासरूपी पुलाचं स्थिर राहणं खूप आवश्यक असतं. म्हणून विश्वास असावा, आईवडिलांचा त्यांच्या मुलांवर, मुलांचा त्यांच्या आईवडिलांवर, एका भावाचा दुसऱ्या भावावर, एका मित्राचा दुसऱ्या मित्रावर, नवऱ्याचा बायकोवर आणि मुख्य म्हणजे एका माणसाचा दुसऱ्या माणसावर विश्वास असावा कारण जर विश्वास नसेल तर या सर्व नात्यांचं भवितव्य धोक्यात येतं. जिथे विश्वास असतो अविश्वासही तिथेच असतो. नात्यात विश्वास महत्वाचा आहे कारण तो पाया आहे नात्याचा परंतु अविश्वास ही अशी एक भावना आहे जी तिच्याजागी योग्यच आहे. खरंतर विश्वास आणि अविश्वास या एकाच नाण्याच्या दोन बाजू, पण दोन्हीमध्ये समतोल साधता आला तरच त्या नाण्याला किंमत! कधी कधी अविश्वास खूप हानिकारक ठरतो. एखादया वेळी समोरचा व्यक्ती आपल्याला समजून घेणार नाही किंवा त्याला आपले म्हणणे पटणारचं नाही असा आपण गैरसमझ करून घेतो आणि त्या व्यक्तीवर अविश्वास दाखवतो. त्यामुळे आपण दाखवलेल्या अविश्वासामुळे ती व्यक्ती एखाद्या कामास पात्र असतानाही त्याचं सर्वोत्तम प्रदर्शन करण्यास चुकते.

ज्या व्यक्तींवर आपला खूप विश्वास असतो तेच कालांतराने आपल्या अविश्वासाचे पात्र ठरतात. कारण

विश्वास व्यक्तीकडून विश्वासघात झाल्यास विश्वास या शब्दावरून विश्वासचं उडतो. त्यानंतर आपल्या आयुष्यात आलेली एखादी व्यक्ती भले विश्वासपात्र असेलही तरीही आपण त्या व्यक्तीवर विश्वास ठेवत नाही कारण आपले मन अजूनही त्या अविश्वासी आघातातून सावरलेले नसते. एकदा समोरच्यावरील विश्वास उडाला की मग परत विश्वास ठेवणे फार कठीण होते आणि जरी पुन्हा विश्वास ठेवलाच तरीही मनात शंकेची पाल चुकचुकत राहते आणि ती शंका आपल्या नात्याला पूर्वर्त होण्यापासून प्रवृत्त करते. कारण विश्वास हा स्टीकर सारखा असतो, दुसऱ्यांदा पहिल्यासारखा कधीच बसत नाही.

विश्वास आणि अविश्वासामध्ये आत्मविश्वासाला विसरून चालणार नाही. मुळात इतर कोणावर विश्वास ठेवता आला नाही आला तरी चालेल पण जर स्वतःवर विश्वास असेल तर अशक्य गोष्टीही शक्य होतात. स्वतःवरील आत्मविश्वासाच्या जोरावर आपण हवं ते प्राप्त करू शकतो. कधीही स्वतःला कमी लेखू नये कारण आपल्यात क्षमता असते जग बदलण्याची, पण कधीही स्वतःवर अतिविश्वास दाखवू नये कारण शक्यता असते आपलेच जग बदलण्याची.. एखाद्या फांदीवर बसलेल्या पक्षाला फांदी तुटण्याची भीती नसते कारण त्याचा फांदीवर विश्वास नसून स्वतःच्या पंखांवर विश्वास असतो.

आत्मविश्वासामुळे अतिविश्वास देखील निर्माण होतो जो खूप हानिकारक ठरतो. सर्वात जास्त घातकी तर स्वतःवरील अतिआत्मविश्वास ठरतो. मी हे करू शकतो, यापेक्षा मीच हे करू शकतो, माझ्यापेक्षा चांगलं हे कोणीही करू शकत नाही, या अश्या गर्विष्ठ विचारांमध्ये आपण हे विसरून जातो की जगामध्ये इतरही खूप लोक असतात ज्यांना ते काम करणं शक्य असते. आपली क्षमता असेलही ते काम करण्याची पण त्या अतिआत्मविश्वासामुळे आपण आपल्या क्षमतेपेक्षा कमी पातळीचे प्रदर्शन करून स्वतःची अवहेलना करून घेतो. आत्मविश्वास आणि अतिआत्मविश्वास या मध्ये फक्त एक बारीक रेघ असते. त्यामुळे केव्हा आपला आत्मविश्वास अतिआत्मविश्वासामध्ये परिवर्तित होतो याचा आपल्याला भासही होत नाही.

विश्वासात धोके जरी खूप असले तरी विश्वास ठेवणे गरजेचेच आहे कारण विश्वास, प्रेम आणि आदर या अश्या भावना आहेत ज्या आपण जोपर्यंत दुसऱ्यांबद्दल दर्शवत नाही तोपर्यंत दुसरेही आपल्याबद्दल दर्शवणार नाहीत. आयुष्यात किमान आपल्या आईवडिलांच्या तरी विश्वासाचे पात्र बना कारण संपूर्ण जग जरी तुमच्या विरोधात असेल तरीही तुमचे आईवडील मात्र तुमची साथ कधीही सोडणार नाहीत आणि म्हणूनच विश्वास कमवा, विश्वास टिकवा आणि विश्वास ठेवा कारण जरीही विश्वास पानिपतच्या लढाईत गेला असेल तरीही ही आयुष्याची गाडी मात्र विश्वासाच्या चाकांवरच चालते म्हणूनच जर ह्या आयुष्याच्या गाडीला रेटायचं असेल तर ही विश्वासरूपी चाकं भक्कम हवीत..

-प्रियंका गोरले  
एस. वाय. इलेक्ट्रिकल



## ‘ गणतंत्र ६८ ’

"जो कर्ज राष्ट्र ने ढाया है , मैं उसे चुकाया करता हूँ ।  
ये सच है याद शहीदों की, उन लोगो ने दफनाई है ।  
ये सच है उनकी लाशो पे चलकर आज़ादी पायी है ।  
मैं इस पीढी से उस पीढी का भाव जगाया करता हूँ ।  
जो कर्ज राष्ट्र ने ढाया है , मैं उसे चुकाया करता हूँ ।"

भले ही ये चंद पंक्तियाँ किसी वक्तव्य, भाषण या निबंध को आकर्षित बना देती हैं, किन्तु इस सच से भी इंकार नहीं किया जा सकता कि ये किसी भी भारतवासी के दिल में देश के वीर क्रांतिकारियों के याद की एक लौह जला जाती है । ये पंक्तियाँ बताती हैं की कैसे देश के वर्तमान अपने अतीत को आदर एवं कृतज्ञता की नज़रो से देखता है । यह पंक्तियाँ उन शहीदों को समर्पित हैं, जिन्होंने अपनी जमी को अपनी माँ समझा और गुलामी को जंजीरो में बँधी माँ को मुक्त कराने के लिए कफ़न को वस्त्र बनाया और रक्त का श्रृंगार किया था ।

७० साल पूरे हो गए आज़ादी के, एक बड़ा समय गुजर गया है । आज़ादी के संघर्ष का असर कम होता जा रहा है । ऐसा प्रतीत होना शुरू हो गया है कि आज़ादी के प्रति प्रेम, देशभक्ति के भाव अब कम हो रहे हैं । देश के लिए मर-मिटनेवाले युवा, देशभक्ति के अभूतपूर्व भाव से हीन होकर, भौतिकतावादी होकर स्वार्थ की दौड़ में सम्मिलित हो चुके हैं ।

सच देखा जाये तो वर्तमान भारत कि जो स्थिति हम देख रहे हैं, बात चाहे वो भ्रष्टाचार से परिपूर्ण होने की है, अनैतिकता से जुड़ी हुई है या देशभक्ति का दिखावा करने का, इन सबकी शुरुआत तो शायद इस पीढी से ही हो गयी थी जो आज़ादी के बाद जन्मी है । आज आज़ादी के संघर्ष, आज़ादी के उपभोग की जानकारी इतिहास के याद करने की विषय-वस्तु बनकर रह गए हैं । हमारी पिछली पीढी ने आज़ादी के संघर्ष की दास्ताँ, वो कशिश, वो कोशिश और वो कामयाबी हमें बताई ही नहीं । इसी धूमिलता के कारण आज की पीढी पर भौतिकता और विलासता का नशा चढ़ गया है, और वे देश को भूलकर अपने स्वार्थ साधने पर लग गए हैं ।

परंतु आज की पीढी को हम लापरवाह कहें, या उसे कि वो देशभक्त नहीं है तो यह सच छुपाने-सी बात हो जाती है । आज की पीढी भी वैसी है जैसे कल थी, आज भी इस पीढी में कई भगत सिंह, कई रामप्रसाद बिस्मिल जिंदा हैं । आज के युवा को समझा जाता है वो वैंलेंटाइन और फ्रेंडशिप डे मनाने वाली भीड़ है, जो देशभक्ति नहीं जानती । पर ये नहीं भूलना चाहिए कि ये आज का ही युवा है जो मतदान दिवस और तिरंगे का जन्मदिन भी मनाता है । वो आज का ही युवा है जिसने १९ वर्ष में, २१ वर्ष में, २५ वर्ष में कारगिल का इतिहास लिखा था , जो अन्तरिक्ष में जाकर 'सारे जहाँ से अच्छा हिंदोस्ताँ हमारा' कहता हैं । वो आज का ही युवा है जो हिमालय के शिखर पर जाकर बिना ऑक्सीजन मास्क के 'जन-गण-मन' का गान करता है ।

देशभक्ति सिर्फ १५ अगस्त, २६ जनवरी को ध्वजारोहण कर लेने तक सीमित नहीं है, देशभक्ति तो वो है , जिसमे व्यक्ति जहाँ पर, जिस भूमिका में है उसमे शत-प्रतिशत ईमानदार हो फिर चाहे वह एक सफाई कर्मचारी हो या कोई इंजीनियर ।

नितीश पाल  
(टी. वाई. सिविल)



# INTERVIEW

with Mr. Ajit Kale



**1** You have a career spanning over two decades. Can you throw some light on the demands of the corporate world in the present scenario?

In the present scenario, the corporate world demands that an individual will work effectively in teams, quickly adapt to changing work situations and continuously learn & develop.

**2** What are the prerequisites in terms of skills and knowledge you expect from newly recruited graduate?

We primarily look for analytical thinking, problem-solving and learning ability in newly recruited graduates.

**3** Could you share a few tips for students to remain in the forefront amidst burgeoning competition in

the corporate world?

Ability to constantly learn and improve your work year-after-year is a key differentiator for a professional.

**4** What lacunae have you observed in new recruits and how best can the college curriculum be adapted to be at par with industry requirements?

College curriculum can be adapted to better develop analytical thinking and problem-solving ability to better meet industry requirements.

**5** With the wealth of your experience, what suggestions would you give to students to field interview questions during placements?

I would recommend students to prepare well, be confident and present the best in you.

**6** Sir, today you hold the eminent position of an Independent Consultant. What challenges did you face along your journey from a fresh recruit to your current enviable position?

I was fortunate to have a relatively smooth journey in the corporate world. The challenges were in the form of adapting to different environments and continue to deliver results - e.g. a different country (US and India), industry (Domestic and Exports, Software and Hardware) and work roles (Individual contributor and Manager, Sales and Services).

**7** Finally, we would love to hear some fond memories from your years spent in SPCE.

I fondly remember the excitement of the first year of engineering, the beginning of SPACE festival, our entire college campus - the short walk to the workshop, the before exam studies on the staircase, interactions with professors.

Mr. Ajit Kale, in his illustrious career spanning over two decades, has held leading positions in several corporate houses and has gained a wealth of information that we hope to share to our readers through this interview. Mr. Kale is an alumnus of SPCE, graduating with a Bachelors' degree in Mechanical Engineering in 1982. He then moved on to work as a Programmer/Analyst in Godrej & Boyce Manufacturing Company Limited as a fresh recruit, quickly scaling the rungs of the corporate world to ascend to the position of the Senior Vice President at Polaris Software Labs. Today, he provides his services to his clientele as an Independent Consultant in the Organization Development Area, drawing on his professional expertise.



## Electrical Engineering Students Association

Electrical Engineering Students Association (EESA) is a committee comprising of Third Year students and Faculty members of Electrical department, having a vision of welfare and improvement of students. The committee works hard to fulfill the co-curricular requirements of students, with the help of member Faculties and under the guidance of the Head of the Department, Dr. B.B. Pimple. It involves organizing various activities which enhance the knowledge of students and helps in improving the technical, communication, management and soft skills, apart from the curriculum and academics of the college.

The committee not only organizes various workshops (technical and non technical), seminars, Guest Lectures and Industrial Visits to enhance the students' understanding of the core curriculum, but also organizes various fun events and interesting activities which inculcate team building, team working and networking and communication skills.

The various activities and events organized by EESA for the year 2016-2017 are as follows:

- Orientation Program for First year students
- Grading and Pointer workshop
- Scientific Calculator workshop
- SPCE Cup (in association with other respective committees)
- EESA Industrial Visit
  1. Dahanu (Reliance) Thermal Power Plant
  2. Indian Space Research Organization (ISRO)
- Teachers' Day Celebration
- Non-Teaching staff felicitation
- App Development workshop
- EESA cup
- Farewell for Final Year students

The committee looks forward to serve for the betterment of students by putting all its efforts and coming up with more events and activities to enrich the years that students spend at SPCE.

-Tanuja Parimi  
(General Secretary)



# MESA

## Mechanical Engineering Students Association

Mechanical Engineering Students Association (MESA) is a students' committee comprising of students and faculty members of the Mechanical department, for the holistic growth of students. The committee works hard to fulfill the co-curricular requirements of students, with the help of member faculties and under the guidance of the Prof. Megha Janbandhu and Head of the Department, Dr. Nilesh Raikar. The committee strikes an even balance between workshops, seminars and technical and industrial interactions, with fun and interactive activities.

The various activities and events organized by MESA for the year 2016-2017 are as follows:

- Stress management workshop by counselor Dr. Ashish Deshpande on 11th August 2016
- Trek to Prabalgad on 20th August 2016
- Seminar on Career after graduation and Interview skills, by Dr. Surendra Bhosale on 29th August 2016
- Teacher's Day celebration on 2nd September 2016
- Industrial visit to IDEMI, Chunabhatti exclusively for 3rd year students
- Workshop on Arduino Programming on 9th September 2016
- SPCE Cup (in collaboration with respective committees)
- 9 days tour to Himachal Pradesh from 2 to 11 December 2016
- Blood donation camp on 22nd January 2017 in association with Bombay Hospital
- Industrial visit to Mahindra and Mahindra, Kandivali, on 24th March 2017
- Workshop on Automotive Design and Analysis on 25-26th March 2017
- MESA cup

The committee has always worked for the betterment of students to the best of its abilities, and looks forward to coming up with more events and activities to enrich the years, that students spend at SPCE.

-Shubham Mahadik  
(General Secretary)



CEA

## Civil Engineering Students' Association

Civil Engineering Students Association (CEA) is a committee consisting Third Year students and faculty members of Civil Engineering department. We work with a vision for the welfare of students. The committee works hard to fulfill the co-curricular requirements of students with the help of CEA committee advisor Prof. S J Kumbhar and under the guidance of Dr. A. R. Kambekar, the Head of Department. It involves organizing various activities which enhance the knowledge of students and help in co-curricular development.

It also supported the Students' Council and the Core-SPECTRA team with the Annual Technical Festival SPECTRA. 7 events, based on the knowledge of stream of Civil Engineering were organized, with participation from Maharashtra and several other states.

The various activities and events organized by CEA for the year 2016-2017 are as follows:

- Grading and Pointer workshop and Scientific Calculator workshop
- SPCE Cup (in association with EESA & MESA committees)
- CEA Industrial Visit
- SPECTRA 2017 (in association with other prime committees)
- GATE guidance to students from Mr. Shubham Bhaisare(IIT Delhi).
- Civil Engineering Journals and Technical Paper presentation awareness program.
- CEA cup
- Farewell for Final Year students

The CEA committee, 2016-17, hopes to provide the students an enhanced knowledge of what they study, and a humble platform to apply it.

-Shubham Wankhede  
(General Secretary)



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# ELECTRICAL



First Year

Second Year



Third Year

Fourth Year



# CIVIL



First Year



Second Year



Third Year

Fourth Year



# MECHANICAL



**First Year**

**Second Year**



**Third Year**



**Fourth Year**





# M.TECH



**M.Tech Machine Design**



**M.Tech Thermal**



**M.Tech Power Electronics**



**M.Tech Structural**



**M.Tech Machine Construction**

# Art Corner



**Kaustubh Badave**  
**B.Tech Mechanical**



**Pratik Jadhav**  
**S.Y.Mechanical**



**Akshay Tapre**  
**S.Y.Electrical**



**Yogesh Jangali**  
**S.Y.Mechanical**



**Deepak Pugaonkar**  
**FY Electrical**



**Vinit Sonavane**  
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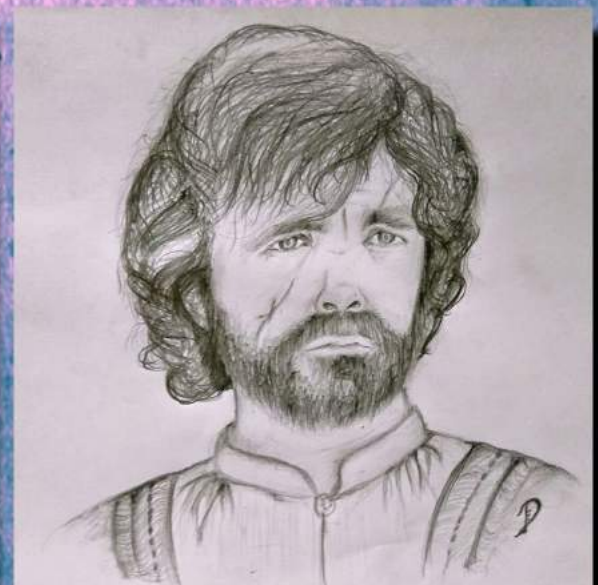
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