

# Milaap

The Souvenir 2017  
15<sup>th</sup> Annual Convention



## SVNIT ALUMNI ASSOCIATION

S.V. NATIONAL INSTITUTE OF TECHNOLOGY, SURAT.



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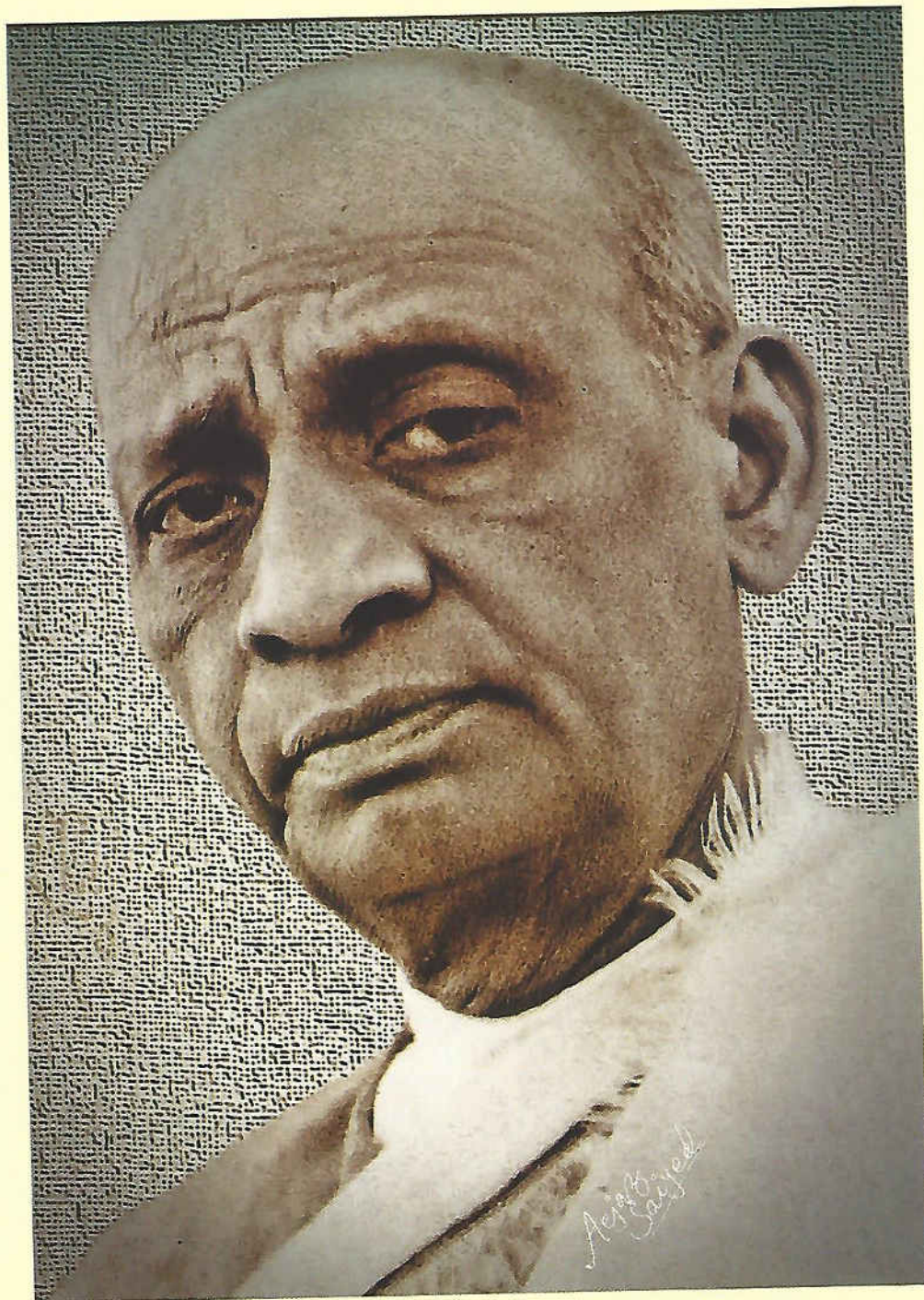
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या ब्रह्माच्युतशंकरप्रभुतिभिर्देवः सदा पूजिता  
सा मां पातुसरस्वती भगवती निःशेषजाड् यापहा ।



Vallabhbhai Patel

## Convention Committees - 2017

### Souvenir

Nilesh Shah  
Akshay Pachchigar  
Ashok Moitra  
Pinky Shah

### Reception

Mukesh Variawa  
Mayank Trivedi

### Accommodation

Jivraj Vinjuda  
Ranjet Sinha  
Hemant Patel

### Banquet and Cultural Activity

Akshay Pachchigar  
Percy Sawai

### Mandap and other Infrastructure

Ketan Desai  
Minesh Patel

### Leadership Summit

Ashok Moitra  
Nilesh Shah

### Silver Jubilee Celebration (1992)

Kedar Jagirdar  
Niteen Patel  
Nimesh Mehta  
Sanjay Mehta  
Sanjay Patel  
Madhu bhai Ravani

### Pearl Jubilee Celebration (1987)

Ranjet Sinha  
Nilesh Shah  
Rajendra Kanungo  
Vikesh Vimawala



On the outset, I am thankful to managing committee for giving me this opportunity to compile and edit MILAP 2017.

It has been immense pleasure to connect with you through this media. SVNITAA has positively evolved through all these years and established itself as a nodal agency for union of alumni, welfare of SVNIT, its students/staff/faculty. Year 2016, which passed by has brought significant changes. With introduction of new members to managing committee, I am proud to inform you that the long standing work for registration is completed last month. SVNITAA is now registered under Bombay Public Trust act 1950 (Reg No F/2298/Surat) and Society Registration Act 1860 (Reg No Guj/2404/Surat)

Also, worth mention is the initiative taken for activation of local chapters. SVNITAA-SURAT CHAPTER is the first registered chapter, which has got its PAN number and filed IT return. With more than 300 members it is buzzing with activities at regular interval. Several other local chapters have been formed and their registration process is initiated, which includes Mumbai Chapter, Rajasthan/Jaipur Chapter, Baroda Chapter, Lucknow Chapter, Delhi-NCR Chapter, Kolkata Chapter, NE Chapter, etc. This is not a complete list. I hope that with support from all alumni attending this convention, many more local chapters would be formed in near future.

I wish everyone a very HAPPY NEW YEAR and great time during this convention.

**Nilesh Shah**  
**Chairman**  
**Souvenir Committee**

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## Message



**Prof. S. R. Gandhi**  
Director, SVNIT  
Chairman (SVNIT)

Alumni Association of SVNIT Surat has been playing a vital role in connecting a large number of our Alumni all over the world and coordination the effective interaction between the Institute and Alumni. I am happy to note that our Alumni Association buzz with various activities such as leadership talk, technical seminars, career guidance seminar, regional chapter meet, health program, cultural events, etc. numbering almost 20 programs every year. SVNIT has rich legacy represented by its Alumni and I am sure the association will make all efforts to connect all effectively to achieve high meritorious standard. Let me take this opportunity to express Institute's gratitude to the entire Alumni network for their guidance and support throughout. Some of the suggestions for consideration are creating Distinguished Alumni Awards every year, Creation of major facilities for the students and Leadership talk by eminent alumni. I have pleasure in being part of this activity and assure that the Institute will provide full support to all constructive program of the association.



**Dr. D. P. Vakharia**  
I/c. Registrar  
SVNIT, Surat

The 15<sup>th</sup> Annual General Convention of S.V.N.I.T. Alumni Association is scheduled on 7<sup>th</sup> January 2017. I welcome all the Alumni on this occasion.

The Institute has made remarkable progress during last few years and secured second rank among NIT's in the NIRF. The contribution of Alumni in achieving it is notable. The convention will stir a series of memory for the Alumni members. It will be an opportunity for members to access the possibility of collaborative research and development with the institute.

I hope members to have a memorable meet and with their priceless contributions the institute will continue its walk on the path of glory.



**Dr.S.M.Yadav**  
Dean (AI & RG)

S.V.N.I.T. Alumni Association held various activities during the year. The new executive body has taken charge and speed up various activities of the association. Congratulations to the members of the association because of their continuous efforts the association has been registered. It has been felt that a strong data base of Alumni is must as it require for **National Institutional Ranking Framework (NIRF)**. Specially the young Alumni of last three to five batches need to update either Alumni Association or Institute about their present status as working, availing higher education or come up as young entrepreneurs. This will help the Institute to achieve higher National Ranking among NIT's and IIT's.

Throughout the semester various activities such as expert lecture, Joy fest, helping needy students, supporting training and placement activities, summer and winter training, sponsoring national conferences and workshop, extending help to the students who have received overseas summer internship are few of the activities carried out by the association. The active role of "Surat chapter" along with national alumni association is worth noting. The S V N I T alumni association has played a key role in establishing "PAN NIT" association too.

I take this opportunity to appeal to donate generously for setting up various scholarship and Innovation Centre at SVNIT.

I see the future of S.V.N.I.T Alumni Association bright and sparkling.



**Er. Bharat Patel**  
President, SVNITAA

Dear Alumni Friends

Good morning and wish you very happy New Year.

It gives me immense pleasure to welcome you all on the auspicious occasion of 15<sup>th</sup> Annual General Convention. Our association is growing and soon it will be entering into sweet sixteenth year. Till now the journey has always remained interesting, in spite of various ups and downs.

After taking charge as president in April 2016, it was my top priority to register our association. There was a debate in the managing committee whether to register the Association under Company's Act or as per the Trust and Society Act. A committee was formed comprising of Er. Nilesh Shah, Er. Mayank Trivedi and Er. Minesh Patel to review these options and recommend the best. The committee presented its report to the managing committee and strongly recommended registration under Society Act based on our MOA. I am happy to announce that ultimately our association is now being registered as SVNIT ALUMNI ASSOCIATION with Charity Commissioner Surat under Society Act and not Trust Act. I take this opportunity to appreciate the efforts of Jivraj Vinjuda, Nilesh Shah and Minesh Patel for their untiring efforts to accomplish the task. Application of PAN card and 80 (i) certification from Income Tax Department will be followed soon. This will facilitate the donors to donate generously. MOA for chapters has also been formulated and circulated to chapters for getting chapters registered.

Apart from registration, my other priorities were to open up as many chapters as possible. I travelled along with our beloved past president Er. Nayan Mohan Bhatia and Er. Ashok Moitra to Assam. SVNIT North East chapter was formed under the able leadership of Er. S. A. Barua. We were overwhelmed by the warmth and hospitality offered by the Alumni of that chapter.

After Assam we went to Kolkata for a get together with an intention to form a chapter. Despite a decent gathering motivated by Er. Bimal Mistry and Er. A.P.S. Kalsi, the strength was not enough to form a chapter on the same day.

Meanwhile in Delhi and NCR, our Vice President Er. Ranjit Sinha with other alumni friends had initiated to form the Delhi NCR Chapter, which otherwise was functioning informally. Taking a leap forward Er Nayan Mohan Bhatia carried away the baton from Delhi to Lucknow and did a marvelous

job in organizing the UP Chapter over there with the help of charismatic leader Er. Rajiv Bajpai. And it will definitely be an injustice if I don't mention the royal lucknowi treat offered.

Our Vice President West, Er. Dushyant Mehta made a WhatsApp group of Mumbai SVNITians and chapter has been formed under able leadership of very senior Alumnus Col. Jasbir Singh. Er. Paras Doshi initiated Rajasthan Chapter in Jaipur.

Now I would like to say few words about the most vibrant Chapter among all chapters. The more I appreciate the efforts of Surat Chapter President Er. Nilesh Shah and his team, the less it is. It is his dynamism and tireless efforts only has given a member strength of more than 300 along with a huge corpus fund in their kitty. The Chapter has organized nearly fifteen programs in a short span of less than a year. My earnest appeal to all other chapter heads to get inspired by Surat Chapter's dynamism.

East West and North chapters are now well covered and we must focus ourselves to such vibrant chapters in Southern part too.

After the resignation of our former Director Dr. Porey, regular director was not appointed for a long period and in absence of regular director two consecutive convocations were not held. Thus making the careers of fresh graduates in jeopardy due to want of proper degree certificate. The situation was brought to the notice of Association. Looking towards the gravity of the problem our Association voluntarily offered their services with the help of local Members of Parliament to resolve both the issues. Degree certificates were issued immediately And now we have our regular Director Dr. S. R. Gandhi who is from IIT Chennai, WE heartily welcome him and wish that with his valued guidance our Association will move forward for further excellence.

Recently we had two reunions of 96 and 97 pass out batches. 97 pass out batch has announced a donation of Rupees five lakh and above to provide scholarship of Rs. 4000/- PM, every year, to one needy student. I appreciate their initiative and appeal to other batches also, to come forward and generously create such huge fund which can not only provide scholarship to every needy student of the college but will also provide assistance to organize other academic activities.

Friends, our college has now completed 56 years and many of our alumni are now very well settled and well placed. My earnest appeal to all such our established wealthy alumni to come forward with their generous contribution and become a part of the Infrastructure development of campus, since the availability of Government funds are now on the verge of decline.

It is really a matter of pleasure that with the time passing by newer and younger batches, in their groups are now coming forward with lots of energy and dynamism to be associated with the Association. We heartily welcome them as young Turks like them will be the future flag bearers of the Association. I believe from my heart content that this young brigade will take this association relentlessly achieve more and more heights.

At the end I take this opportunity to express my gratitude to all my alumni friends, Hon'ble Director, Dean Alumni affairs, all other deans and faculty members, sponsors, student members and all others who have contributed directly or indirectly to make this event a grand success.

## From the Desk of the Hon Secretary



**Er. Prakash B. Anandani**  
Hon. Secretary, SVNITAA

As you read this I'm sure you are already attending this convention. It gives me great pleasure to welcome you to Milaap 2017 – The 15<sup>th</sup> Annual Convention of Sardar Vallabhbhai National Institute of Technology – Alumni Association.

For some of you, who would have come to the college after 15 years this would be pleasant surprise to see the name change from the erstwhile SVR as we used to know it. A lot has changed over the last few decades and this convention not only allows you to connect with your alma mater but also know the substantial development of the college in the last few years.

The hostels, the admin block, the departments have all gone through a sea change and all that for good. Ditto for the students.

On the SVNIT AA front, the year gone by saw the initiation and formation of various Chapters across the country. With Surat Chapter leading the way, the journey has just begun. SVNIT AA aims to have ACTIVE chapters from across the country so that we build a Alumni Association which is a regional Association in true sense.

But the major and the biggest achievement of this year has been the registration of SVNIT AA under the societies/trust act. With our eyes on the 80G certificate the SVNIT AA should now up it's level to help students as it would now ease ways for the successful Alumni to donate money to the place which made them what they are today

This year also saw the continual effort of SVNIT AA to support the students of our college in terms of fees, events, local and international internships, etc to name a few. The medal policy is also enhanced to include more students now thereby increasing the connect between us and the students who would be part of US in years to come.

For detailed reports on the activities that have happened during the year, kindly login on the the alumni website <http://www.svnitalumni.com> where you would get all updates on the activities of the association/chapter.

A quote by Dr Jain (ex-I/C Director) continues to stay with me. If we make SVNIT the number one institute in the country it is WE who will feel pride in stating that we come from the #1 college when we meet people in our daily walks of our life. Let's contribute in terms of money, wishes, man hours, whatever we can but let's contribute a little. Let's make our college the **numero uno** NIT in this country.

I wish you a pleasant stay here and look forward to see you getting more involved in SVNITAA.



**Er. Suresh Malik**  
IPP, SVNITAA

Dear SVNITIANS

It's our pleasure to welcome you all on this day to 15<sup>th</sup> Annual Convention 2017.

**We at SVNIT are committed for the Sustainability & Growth of our "Alumni Association" and in turn that of our Mother Institute & one of the best ways is to be Self-Financed/ Self -Sustained.**

Ours is a family of more than 16000 dignified Engineers/SVNITIANS and majority being well settled across the globe. To start with, just by contributing only ONE RUPEE a day we can generate a fund of not less than Rs 58.00 lac per Year!!

It's our humble appeal to please come forward and be a part of Growth story & contribute for the various noble endeavors taken up by the "Association", a few to worth mention at this stage are

- Student's welfare fund.
- Providing financial support to student's for
  - Attending Seminars and Workshops
  - Presentation of papers at International level.
  - College and Hostel fees.etc
- Awarding Meritorious Medals.

Looking forward to strengthen our *Life Time Bonding.*



**Dr. R. A. CHRISTIAN**  
DEAN (P & D)  
S.V.N.I.T, SURAT

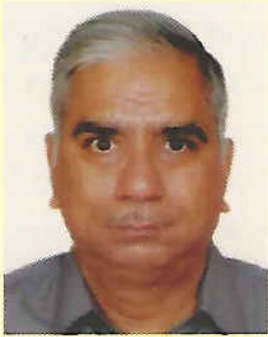
Warm greetings to all S.V.N.I.T Alumni on my own behalf and staff of Estate Section, S.V.N.I.T.

As alumni of S.V.N.I.T, each one of you is in some way connected to our Faculty's remarkable vision for education and research. Both make us unique and uniquely positioned to move boldly forward.

In our endeavour to bring S.V.N.I.T on the world map, SVNIT Alumni can play a vital role. Your contributions in the past have resulted in enhancing the image of S.V.N.I.T to the current level. Your continued support and guidance will certainly help take S.V.N.I.T to a much higher level. **"Big deeds begin with small acts"!!!!**

Our students will follow in your footsteps. Their professional achievements will perpetuate the scientific advances and innovative approaches learned here, helping them to improve the world for a better future through a holistic approach. I hope you are inspired to be a part of our Alumni Association in this virtuous cycle of launching the next generation of talented students to discover, treat and lead with impact.

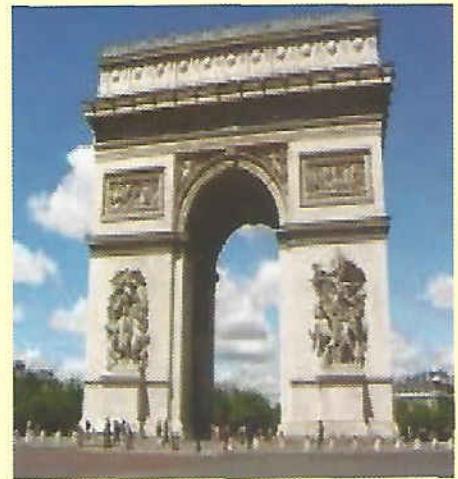
## Champs Elysees & Nanpura



**Er. Anil Kumar Saxena**

Mech, 1971

Long ago, I had the fortune of visiting Paris. It was a sunny afternoon, when I decided to take a stroll on Avenue de Champs Elysees (pronounced Shawnz Elize). It was considered to be the most fashionable road on planet earth. I started from 'place de la concorde' and walked little more than 2 km to reach 'arc de triomphe', covering the entire stretch, doing window shopping, looking at menus displayed in restaurants windows, relaxing on benches provided and watching the international club class crowd carrying big shopping bags, while I sipped water from a bottle (filled at my hotel's water cooler) carefully, so that it lasts whole day. I walked under 'arc de triomphe' imagining how Napoleon Bonaparte must have felt when he did the same with a platoon of his decorated soldiers.



I was tired and decided to sit and relax at the arch looking at the disciplined traffic on this historic circle with twelve radial roads. And my mind started questioning. Was it romantic. Was it worth. Am I happier after looking at this piece of history. The answer came from inside. No it was not. Another display of wealth looted from colonies. So where was happiness. It was in Nanpura Surat. I landed in Surat on 8 July 1966. A young lad of 16, raw, simpleton from Uttar Pradesh. My first abode was a hall on second floor of a building (demolished now) on Chowki Sheri, which was housing only students. There was a primary school across the road. There were five of us in that hall. Me, Anupam Mathur, Ravindra Kumar, SL Tripathi and SP Yadav. The bath and toilets were at ground floor. Nanpura's main road extended from old civil hospital up to Timaliyawad. And it was fabulous. Oh my god. There were red buses of 'Gujarat Rajya Vahan Vyawahar' traversing in both directions, and police chowki was the bus stop. We could stroll from it up to the chowk end, where there was a branch of "Devkaran Nanjee Banking company" (now called Dena Bank). I opened my life's first saving account there and always maintained a minimum balance of Rs.5/- so that I could draw cheque – a luxury. Just adjacent to that was a tea house, where beside tea, coffee one could buy and drink hot chocolate and bourn-vita. The tea came in three versions (a) Chaloo (b) Badshahi (c) Peshal (Special), beginning from 25 paise onwards. Across the road was a shop which sold paanipuri' and other gujarati savories. Little ahead was "Baroda hair cutting saloon",

where I had first shave of life. Here you could listen to endless gossip and a blaring radio. Almost every boy of SVR (it was not SVNIT then) got his hair style done there and perhaps most had their first shave too, there. Wankawala stores, which romanticized his shop as a departmental store. And indeed it was. We could buy all our needs there. Soap, tooth paste, brush, shoe polish, note books, drawing sheets and even a glass tumbler (with fancy yera designs). The owner was one Mr. Wankawala, who was always ready to help. Its competitor was Surendra store, just at bus stop. It also sold everything, but one had to stand on road, as it had no inner space, And not forgetting "Dilkhush Bakery". I had never considered it as a shop selling Nankhatai, biscuits and other bakery products - it was an institution, until Nanavati & Company opened adjacent to it and overshadowed it.. The best of bakery products, most of them unaffordable for us were kept in glass jars, and once in a while I will buy a pair of Nankhatai. My guide, mentor, room partner and friend Arun Ogale was very fond of Parle Mints. He would buy them at Surendra Store, as soon as he alighted from bus. These were small rectangles of sugar and mint and another flavor was rose. I think they came 25 paise a packet, and a packet had ten. Ogale would promptly give me and our other partner ML Ramani two each, and consumed the rest. His appetite for Parle Mints was infinite (I have no idea whether he still likes them and whether these are available any more). Ogale was also very amused when ever he saw a big hoarding in Timaliyawad tabela for a coaching class. There was a large painted clown yelling ના પાસ થતો પૈસા પાછા . Ogale would always narrate about that gilded promise to all and sundry.



Nanpura was also important to me, because my monthly allowance money order from father, would come to its post office, and I would go there to collect it. And then some relaxing moments in Dutch garden river front with neat Rs.150/- notes in pocket, while Tapi would carry from time immemorial, millions of cusecs of water to sea at Dumas, not far. I would feel happy, contended, relaxed and on top of the world. A feeling, of which I did not get even a delta fraction, sitting at 'arc de triomphe' on 'Champs Elysees'. Why blame Paris for it. I had transformed.

From an innocent boy to a weird, crooked, complicated person pursuing money and worldly things with hope, that it will bring happiness, peace and pleasure to me. Alas it does not. You need many more things to achieve that. One more reason. Nanpura had accepted me in its fold and embraced me like a refuge, it had a life and had its soul. Paris does not have it (French may not agree - who cares).

## What they don't teach you at SVR ?

**Soumitra Das,**  
Electronics, 1987



Looking back through the dusty haze of years gone by, I reflect today on what i learnt at SVR that was useful for me in my life after graduation. Come to think of it, nothing that I do today at work is related to engineering. I lead a team of sales people who find business for Oracle's software products. No basic mechanics or engineering drawing, no FIFO or LIFOs or Multi-Vibrators or Transistors, all I do now is Excel spreadsheets, PowerPoint presentations and the omnipresent e-mail. Wherever we go, our mail follows us! We may not have tried to get in touch with our best buddy from college in 30 years, but not having checked on mails for a few hours often makes us feel nervous as if our world might have crashed behind us.

No nothing that was ever taught in any Course or lecture at SVR got me here. The degree did give me my first break, but nothing beyond. Nowadays I can't even fix the lights for Diwali on the roof, and get a local electrician to complete the circuit. When I try and teach my 10 year old how to build a model helicopter with "Mechanix" pieces, she would already complete it, while i am still struggling to visualise the Front view from the Isometric view on the manual. My wife sometimes feels I cheated her into marriage – she thought she is marrying a Electronics Engineer, but she got someone who can't even properly tune the channels on the TV.

No nothing from the coveted texts from the epic Book-bank helped me with my life. However, I still hire Engineers into my sales team. Some of the best engineering graduates go on and do their MBA and are very successful in business roles. I am often questioned at work why I prefer hiring engineers when anyone could qualify for a sales job. What skills do engineers posses over others?

I summarise it two words - Analytical Skills. I see engineering graduates endowed with the ability to logically breakdown at any phenomenon into cause and effect, and the creative ones to use that knowledge to design new tools for making a lots of money and for the benefit of mankind, in that order of priority. A child-like basic instinct of finding out "how things work" is honed in every course and in every lecture at a engineering college. Yet, there is no specific course called "ASS" (Analytical

Skills and Systems), perhaps for good.

We spend a lifetime analysing life's typical situations. Why did the demure girl we met everyday at the bus stop chose a seat so that the one next to her is always empty. Why did the boss choose me for the most difficult assignment? Am I the best or is he setting me up? What does the client mean if he calls back to say that our quote is too high. Is he ready to buy? Is this a closing sign? It does not take a glib-talker to be a great sales person. It takes probing, data-gathering, analysing, solution-ing, influencing, negotiating obstacles and making it all work together. All essential skills learnt during the 4 years at an engineering college, but applied to sales situations.

Many of us come of age when we are at college. Oh... that feeling of pure independence..of choosing what we do after our classes with no one to watch over us and telling us to study, complete our assignments, finish our cereals or drink the milk. It's like opening a window and feeling the cool wind on our face, and looking at the vast expanse of life spread in front our eyes like an open green field. Its the first time we are free to make our choices. Choose who you take as your friend, hang out with; when to study (late nights seemed to be an obvious choice) and just how much to study.

The independence of choice also coached us to own responsibility. It taught us to take responsibility of spending the money that our parents send wisely, to study just enough to avoid ATKTs, and to know just when to stop drinking anymore. The first lessons in work-life balance were learnt in college. We all learnt how to have a blast of fun along with endless cuttings, when we studied hard and burnt the midnight oil for semester exams. We learnt to enjoy the scenery while we drive.

We discovered the joy of returning home after the semester is over. We learnt the simple pleasure of writing letters. We discovered how an emotional bond with friends made at college can last a lifetime. It gathers no dust in time and the pure happiness of being with a friend for a few moments made many of us spend money and time to take this pilgrimage to the reunion after 30 years.

For current to flow we need a circuit to be complete. Lets embrace an old friend today to complete another circuit, and let the joy of friendship flow though our lives.

## LIST OF DEPARTMENTAL PROJECTS

### CHEMICAL ENGINEERING

S.NO	PROJECT NAME	FACULTY NAME	NO OF STUDENTS	FUNDING
1	Fabricaion of cathode non composites for application in super capacitor & lithium ion battery by nanogrinding	Dr.C.M.Patel	Ph.D-3, M.Tech-1	
2	studies on flow of dispersion through narrow channels	Dr.V.N.Lad	M.Tech-1	
3	studies on extraction of phenolic anti-oxidant from biomass wastes using emerging green techniques valorisation of	Dr.G.C.Jadeja	Ph.D-1	
4	pomergranate(Punica granatum) peels by using Deep Eutectic Solvents Treatment of combined textile and municipal waste water by	Dr. G. C. Jadeja	M. Tech 1	
5	bio - electro-chemical process by using novel cross linked microbial fuel cell (M.F.C)	Dr.A.K.Mungray		

### APPLIED CHEMISTRY

1	Chemistry and apply of green solvents: Ionic liquids	Dr. Naved Malek		10 Lacs
2	Functional variants of biomaterial surfaces:Effect of surface functional groups on ANTIBIOFILM properties	Dr. Rajendra kumar		35 Lacs
3	Development of surface functionalized metal doped nano-particles as fluorescent probes for sensing trace level of heavy metals in enviromental matrice	Dr. Suresh Kumar Kailasha		31 Lacs
4	Development of novel supramolecular sensing system using fluorescent quantum dots	Dr. Suban Sahoo		39 Lacs

## CIVIL ENGINEERING

S.NO	PROJECT NAME	FACULTY NAME	NO OF STUDENTS	FUNDING
1	Integrated road traffic noise mapping in urban indian content	Dipesh R. Sonaviya (Ph.D. scholar)		
2	Performance improvement of flexible pavement over expansive subgrade using geotextile	Ravin M. tailor		9.8 Lacs

## MECHANICAL ENGINEERING

S.NO	PROJECT NAME	FACULTY NAME	NO OF STUDENTS	FUNDING
1	Design Development and investigation on two stage GM type pulse-tube cryo cooler for 10k applications	Dr. H. B. Naik & Dr. K. P. Desai	Paresh Gujarati (Phd. Scholar)	29 Lacs
2	Develpoment and investigation thermo acoustic refrigerator	H. B. Naik	Abhinav Desai (Phd. Scholar)	25 Lacs
3	Simultaneous reduction of NOx and soot by multiple injection in DI diesel engine.	Dr. B. M. Sutariya	Hiren Dave (Phd. Scholar)	20 Lacs
4	Design and Development of novel cylinder roller bearing	Dr. D. P. Vakharia	Mitul Solanki	
5	Towards Development of an upwardd Swirl CAN type Gas Turbine Agency	Dr. R. D. Shah & Dr. J. Banerjee	Phd. 1 M.Tech-1	18.5 Lacs

## ELECTRONICS AND COMMUNICATION ENGINEERING

1	Laboratory development for wireless communication	DR.U.D.DALAL		16 Lacs
2	IRNSS Navigation Receiver Field Trail and Data Collection Special Manpower	DR.U.D.DALAL		
3	development Programme for chips to system design	Dr.A.D. Darji & Dr. J.N.Sarvaiya		16 Lacs
4	FPGA Based Adaptive Filter Algorithm Implementation for external noise cancellation	Dr. A.D. Darji& Mr.P.J. Engineer		17.8 Lacs
5	Development of SIRMI- Strengthening IRNSS Receiver by Mitigation of Interference	Dr. Mrs. Shweta Shah	Phd. 3	

## APPLIED PHYSICS

S.NO	PROJECT NAME	FACULTY NAME	NO OF STUDENTS	FUNDING
1	A study on changes in refractivity of the atmosphere prior to earthquake	Dr. K.N. Pathak		14.6 Lacs
2	Ground state ties of low dimensional quantum systems	Dr.L.K. Saini		14.5 Lacs
3	Strongly co related electronic materials topological quantum nanomaterials	Dr.L.K. Saini		14 Lacs
4	Properties of measons using QCD inspired models	Dr.A.K. Rai		13 Lacs
5	Development of anti-reflection counting for fabrication of super luminacent light emitting diode	Dr.V.A.Kheraj		20 Lacs
6	Noble nanomaterial structure growth electronic magnetic and optical properties	Dr. R.D. Roy		6 Lacs

## **DRISHTI** *A Revolutionary Concept*

### **Activity Report**

DRISHTI is the technical Hobby club of our college established in 2002. We conduct a number of workshops and events throughout the year and also take part various competitions like ROBOCON, CANSAT, Techfests, Innovation challenges, Boeing Aeromodelling contest etc.

During the odd semester our events are focused specially for first yearites. As the technical fest is shifted in the even semester and to give the first yearites a kick start, we organised "Grand Robo Prix". This event was a robotics event which presented two challenging statements, one was oriented towards mechanical and the other towards electronics. The event which involved participation from around three hundred first yearites was a grand success.

A series of workshops were conducted to impart basic knowledge of building a fundamental robot from scratch. Many other workshops are also conducted throughout the year such as Open Sourcing, Automobile design, basic manual robotics, basic and advance electronics, etc.

"Tech Trivia" a science and logical quiz competition, "Burj Khalifa" a structure building competition and "Automobile Design Challenge" a challenge which used everyday materials such as cardboard, paper, thermocol etc. had to be used to make an automobile were also organised exclusively for first year students.

We organised Techno-Contrivance 2.0, which invited ideas regarding the rural development. It was open for all undergraduate students of Surat city. The competition was conducted in three stages, project proposal, abstract submission and prototype presentation.

Apart from organising events DRISHTI also represents SVNIT in national competitions and do all sort of projects throughout the year. We took part in "University CANSAT challenge" which was organised first time in India and **stood first** among other 21 participants. Another innovative Idea regarding "Capacitive touch for home automation" was presented in Atmel embedded design contest organised by Atmel itself, and were **runners up** in the event. IIT Madras hosted a "Railway design challenge" where our design was among the **top five** from all the designs proposed all over the country. We also took part in ABU-ROBOCON 2016 which is a national level robotics competition. Robocon 2016's problem statement was focused on Encouragement of Renewable Energy. DRISHTI also participated in techfests, Boeing aeromodelling conest, Texas Innovation challenge, Innovation for digital India-intel etc.

A number of projects are done throughout the year. Multi terrain traversing robot, stair climbing robot, LED cube and black board cleaning module were developed. A rope climbing developed by our team was used in *Ramnavmi* celebration which was used to carry the *Pushpak viman*.

Apart from these, complete assistance to first year is provided for their participation in SPARSH and techfests of various IITs.

## DRISHTI

*A Revolutionary Concept*



*The Grand Roboprix- Feel the essence of Robotics*



*The Eco robot (Robocon 2016)*



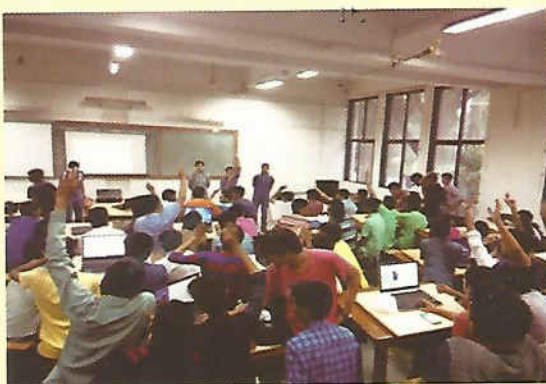
*Techno contrivance 2.0(Final round)*



*The surveillance rope climber*



*The stair climber*



*Workshops*

God said "I made, created,  
gave life, gave birth, brought on earth and made human"  
And I said..

Luxurious and safer, then bright big palace was her dark small point.

Grown from a dot in her dark small point.

In the palace, she satisfied and smiled,  
And bigger then me was her first smile.

With each second, was her growing rebellious kid.

And her voyage entirely for her kid.

Harshness from her, molten wax to red hand,  
All just to keep her angel firmly stand.

Not a professional, graduate or a teacher,  
Yet the best among the teachers.

Supported for right, didn't yet for wrong; Still deeds hidden and caught  
for mask worn.

Might she be happy? reducing her best jobs,  
Yet her another angel still serving his jobs.

Still life waits for a call, voice awaiting and enchanting;  
Still life waits for a food, taste awaiting and enchanting.

**Faizal Shaikh**

**B.Tech 2<sup>nd</sup> year**

## ACTIVITIES AT A GLANCE

### SVNIT ALUMNI ASSOCIATION – SURAT CHAPTER

**Nilesh Shah**  
President



I am thankful to each member of the managing committee of SVNITAA – SURAT CHAPTER for their faith in me. Without their unstinted support it would not have been possible for us to organize so many activities at regular interval throughout the last year. Our attempts and contribution of members towards chapter activities bettered the fellowship and brotherhood amongst member alumni. Each one of us is a part of big family working together - with selfless efforts to fulfil objectives of our association. Most of the committee members still remember the day when the committee was formed – 3<sup>rd</sup> October, 2015 and the responsibility was transferred. Most of the committee members were not exposed to functioning of alumni association in recent past. Each one of us accepted the responsibility as an obligation of friendship with a feeling to do something for member alumni and the institute.

We started with 32 members and the life time contribution of 2000 from each of them. I am proud that due to our collective efforts, today we have more than 300 members in Surat Chapter. It is registered as AOP and has its own PAN number. The accounts for AY 2016-17 were audited by a chartered accountant and approved in Chapter AGM held on 24<sup>th</sup> December 2016. Accordingly the IT return was also filed. Surat Chapter is completely independent of the SVNITAA as far as finances are concerned. The activities organized during past year are listed below:

#### **1- RAMZAT 2015**

SVNITAA has a tradition to organize cultural event RAMZAT almost every year. It is the most awaited culture event for alumni. This year the event was organized independently by SURAT CHAPTER on 27<sup>th</sup> October, 2015. It was well attended by more than 350 people including members, staff and faculty of SVNIT and their family. I would fail my duty without mention of our alumni **Deepak Dudhwala** and **Som bhai Tandel** of 1982 batch, who deserves a Big Thank you for their huge support to this event. The success of this event boosted confidence of all committee members and prompted them for organization many chapter events that followed throughout the year at regular interval.



## 2- A brainstorming workshop for SAMRT CITY Project

With efforts of our alumni Dr Rajesh Pandya, immediately following RAMZAT 2015, a brainstorming workshop was organized in association with The Surat Municipal Corporation on 30<sup>th</sup> October. About 50 alumni, stock holders and interested people from public attended this workshop and gave useful suggestions for making Surat a SMART CITY.

## 3- Ek Period Masti No



This was organized to celebrate last day of the year 2015. On 31<sup>st</sup> December, Dr Raees Maniar who is a famous and acclaimed Gujarati Literate was invited to give a fun filled Gujarati Talk. He conducted a two hour class on laughter. He presented many famous Gujarati Poet, Geet and Gazal. This event was attended by more than 100 people. A big thank you to our alumni **Madhu bhai Ravani** for supporting this event.

## 4- Blood Donation Camp

On 9<sup>th</sup> January, a Blood Donation Camp was organized by Surat Chapter during National Convention of SVNITAA. More than 100 bottles were collected. Students, Alumni, Staff and Faculty donated blood to serve the motto of "National Blood Donor Volunteer Month". This was in association with Surat Raktdan Kendra. They very much appreciated the large turnout of donors for a noble cause. This was possible due to efforts of alumni Parimal Vyas.



## 5- Health Awareness Seminar

A health awareness seminar was organized on 13<sup>th</sup> February, 2016; to create awareness on benefits of eating "Non Cooked Food". It was attended by more than 50 people. A delicious lunch comprising of non cooked items was served at the end of the program. This program was possible due to efforts of alumni Jivraj Vinjuda.

## 6- Technical Seminar on TPM & 5S

A technical seminar on "Total Productive Maintenance (TPM) & 5S" was organized in association with South Gujarat Productivity Council on 17<sup>th</sup> February, 2017. It was well attended by members of South Gujarat Productivity Council and students of SVNIT. This program was organized with efforts of alumni Mayank Dalal.

## 7- Medical Check up Camp

A medical check up camp for students, staff, faculty and alumni was organized on 21<sup>st</sup> February, 2016; in association with Terapanth Yuvak Mandal. This was possible due to efforts from alumni Rajesh Bothra. Free medical check up including eyes, Kidney profile, BMD, blood test, etc was offered by renowned doctors of the city. More than 300 people took advantage of this camp.

## 8- National Conference – RACE 2016

SVNITAA-SURAT CHAPTER was associated in organizing a national Conference on "RECENT ADVANCES IN CIVIL ENGINEERING" on 5 and 6 March, 2016 along with Department of Civil Engineering, SVNIT. This was possible due to support of alumni **Bhadresh Shah** and "**Swapn Preeti Bhadresh Shah Foundation**". Many students and faculty from various engineering colleges participated. It was decided that SVNITAA -SURAT Chapter would also associate for organization of other national conferences for other departments of SVNIT with support from alumni Bhadresh Shah.



## 9- Rang Barse-A Musical Extravaganza

A musical Extravaganza "Rang Barse" was organized on 2<sup>nd</sup> April, 2016. This was due to support from Hon Secretary **Ashwin Chaudhari**. This program was his brain child and he took care of all financial aspects. Almost 200 alumni and their family members attended the program and enjoyed a mixture of classical and contemporary bollywood songs and music.

## 10- Solar Energy – Awareness program

On 5<sup>th</sup> May, a program to create awareness of "Solar Energy" was organized in association with "Jeevan Bharti Mandal". This was possible due to efforts from alumni Mayank Trivedi. More than 100 people attended the talk. Participants of Sun Pedal Ride (Solar powered electric bicycle ride of 700 km in 70 days) were felicitated during the function.

## 11- National Conference – TFSTA 2016

SVNITAA-SURAT CHAPTER was associated in organizing a national Conference on "THERMAL FLUID - SCIENCE AND TRIBO APPLICATIONS" on 27 and 28 May, 2016 along with Department of Mechanical Engineering, SVNIT. Again, this was possible due to support of alumni **Bhadresh Shah** and "**Swapn Preeti Bhadresh Shah Foundation**". Many students and faculty from various engineering colleges participated.

### 12- Health and Laughter Awareness Program



A unique program to create awareness on health and laughter was organized on 9<sup>th</sup> July, 2016. Renowned laughter expert, founder of laughing clubs in Gujarat and well known columnist – Dr Mukund Mehta was invited to deliberate on the subject. He explained the importance of laughter and nature in keeping fit and maintaining good health. The program was attended by more than 150 people.

This program was possible due to efforts of alumni Parimal Vyas. A Big Thank you to alumni **Hitesh Patel** who supported this program.

### 13- Aaya Sawan Zoom Ke – A Musical Evening



Again a musical evening was organized on 13<sup>th</sup> August 2016. But, this was unique in a way that all singers were alumni. Almost 25 bollywood songs were presented by more than 20 alumni with a professional orchestra. A formal audition was conducted by professionals and alumni wishing to present their songs practiced their songs with professional orchestra. Alumni performance was widely acclaimed by all present.

This program was possible due to support from Hon Secretary **Ashwin Chaudhari**. It was attended by more than 150 people. Everyone was of the opinion that such program should be organized every year to unearth the hidden talents of alumni and their family members.

### 14- Career Guidance Seminar

A Career Guidance Seminar was arranged for students aspiring to study abroad on 6<sup>th</sup> September, 2016. This was organized in association with AHEAD (Jeevan Bharti Mandal). It was made possible due to efforts of alumni Mayank Trivedi. More than 70 students attended the program.

## 15- RAMZAT 2016

The year ended with the most popular event RAMZAT 2016 on 22<sup>nd</sup> October, 2016. Again it was possible due to huge support from alumni **Deepak Dudhwala** and **Som bhai Tandel**. This time it was attended by more than 450 people. Many other alumni also supported this event which includes alumni **Kirti Patel**, **Suryakant Patel**, **Manhar bhai Patel**, **Vijay Mehta**, **Ashok Moitra**, **Bankim Vashi**, etc. A big thank you to all of them.



It's been a satisfying year for all committee members for the tremendous response received from chapter members.

There are many more programs lined up for the coming Year, including a Kavi Sammelan, National Conference, Musical Program, and Seminar for students.

I take this opportunity to thank all committee

members for their contribution in betterment of local chapter. Without unstinted support from office bearers Ashwin Chaudhari, Akshay Pachchigar, Hemant Patel, Kishore Bansal, Vikesh Vimawala and other committee members Jivraj Vinjuda, Ketan Desai, Bakul Patel, the year would not have been so satisfying and glorious. Hats Off to each one of them.

I would not hesitate to say that Akshay Pachchigar is a source of eternal energy and has always been on toe for all chapter matters related to any program. A special thanks to all office bearers of SVNITAA previous year and current year for their cooperation. Also, I recognize the support of Registrar in charge, Dean (A&RG), Dean (P & D), Guest house Incharge. How can one forget the ever smiling alumni staff Deven Raval? The whole managing committee is thankful to him for his ever readiness to efficiently and promptly execute instructions.

This has been a tremendous year, but it has raised expectations and posed new challenges to make the coming year even better. The committee is once again geared up to face this challenge and prove that "working together works".

### INTER NIT MEET - STUDENT'S ACHIEVEMENTS

The annual sporting fiesta where all the 31 NITs compete against each other in different sports held across various NITs in the country. Following are the achievements of SVNIT in Inter NIT Meet 2016 :

#### **Gold Medal**

Badminton  
Handball  
Kho-Kho  
Volleyball  
Basketball

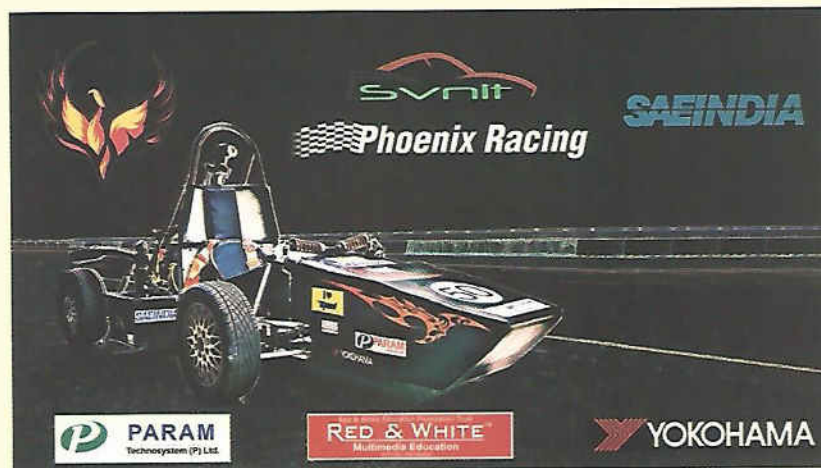
### IGNIS - STUDENT'S ACHIEVEMENTS

IGNIS is SVNIT's Annual Sports Meet and is one of the biggest in Western India. SVNIT, Surat in the past has hosted several other editions of Inter-NIT Tournaments besides the five Annual meets. Filled with the elements of joy, entertainment, celebrations and fun, IGNIS is indeed one of the biggest events of its kind. The event promises to be bigger than ever this time around with several informal events being added to the mix. Achievements of SVNIT in IGNIS 2016 are as follows :

#### **Gold Medal**

Handball  
Kho-Kho  
Badminton  
Volleyball  
Chess  
Tennis  
BasketBall

## INTER NIT MEET - IGNIS




***GLIMPSES OF OUR R&D ACTIVITIES  
IN THE AREA OF  
Waste to Wealth Projects***

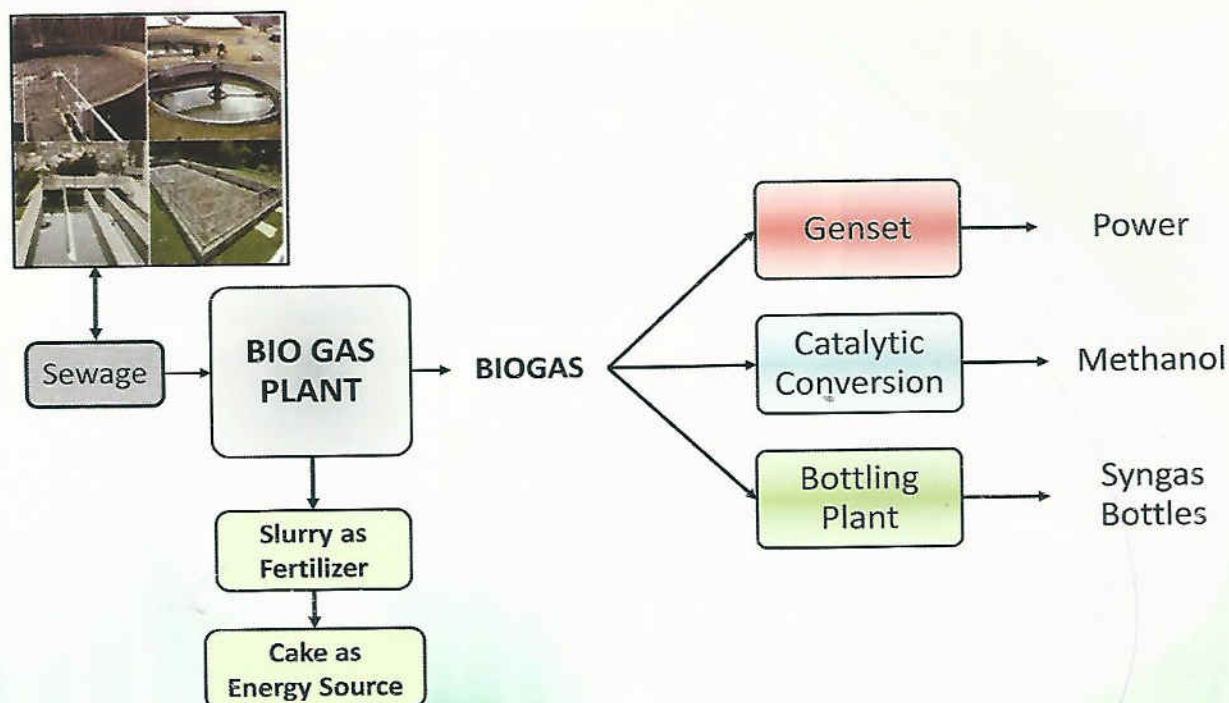


By:  
**Dr. S. A. Channiwala & His Team**

# Brief Bio Data

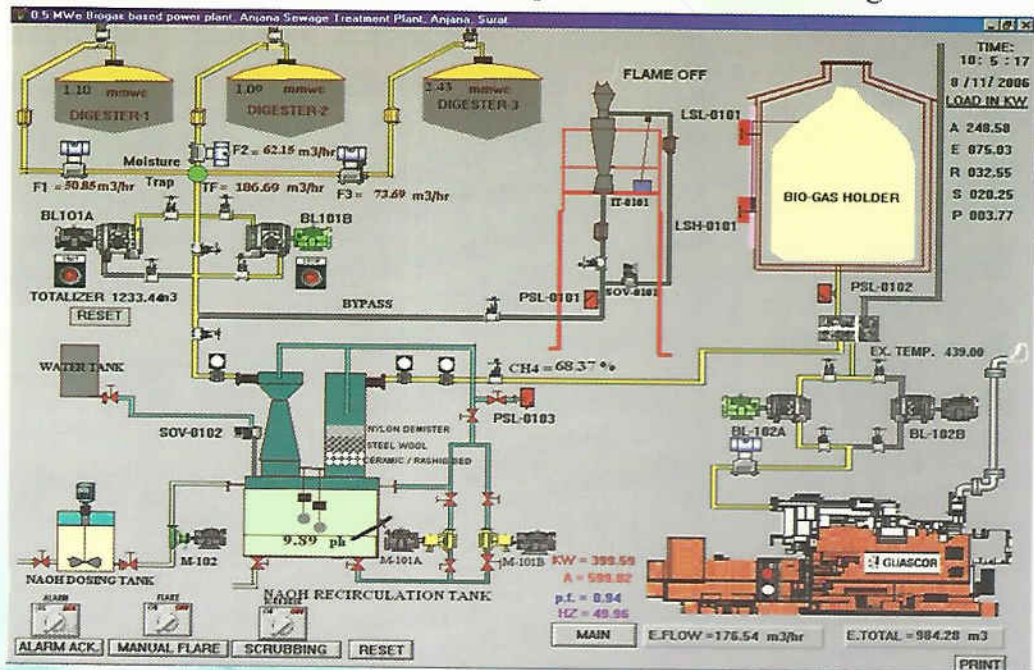
a. Name	Dr. S. A. Channiwala	
b. Designation	Professor, Mechanical Engineering Department S. V. N. I. T. Surat	
c. Age	62 years	
d. Education	M. Tech. and Ph. D. from IIT, Bombay	
e. Experience	34 years at SVNIT, Surat	
f. Fields of major scientific interest	I. C. Engines and Combustion, Gasification, Turbomachines	
g. Publications	> 250	
h. Ph.D. Guided	14 Completed 09 In Progress	
i. M.Tech Guided	> 120	
j. Testing and Consultancy Assignments	> 250	
k. MoU's Signed	> 08	
l. Patents	09 (3 International, 6 National)	
m. Awards	08 (Including 2 young scientist award)	
n. Membership	IE, ISTE, SAE, ASME, CIIS	
o. Major Achievements	1. Developed Zero Effluent Discharge Gasification System first of its kind across the globe. 2. Developed dedicated CNG Engine technology. 3. Developed India's first Solar Assisted Electric Vehicle.	

## 1. Sewage Gas Based Power Plant



## Salient Feature

- First of its kind in India
- Implemented at Anjana Sewage Treatment Plant of Surat Municipal Corporation, Gujarat
- 0.5 MW capacity
- Generates Power from Sewage Gas generated from the process of Anaerobic Digestion of Sewage Slurry



## Components: Visuals of Anjana STP



GAS SUCTION BLOWERS



H<sub>2</sub>S SCRUBBER SYSTEM



SEWAGE GAS HOLDER



ENGINE FEEDING BLOWER

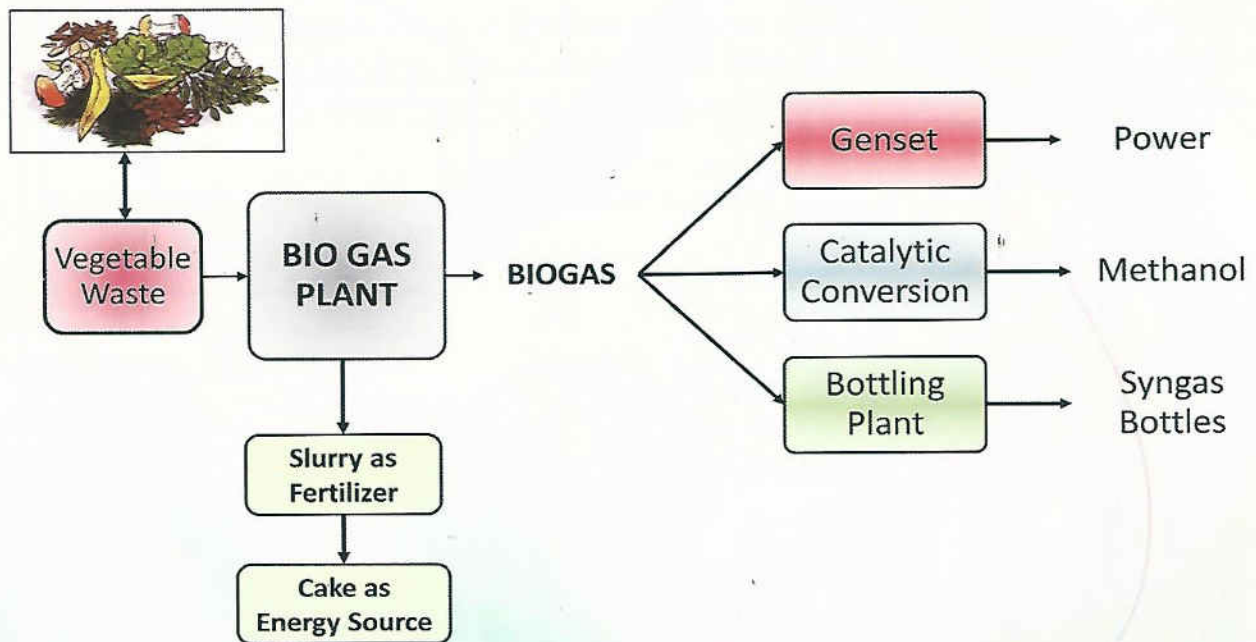


ENGINE-GENERATOR SET



FLARE STACK

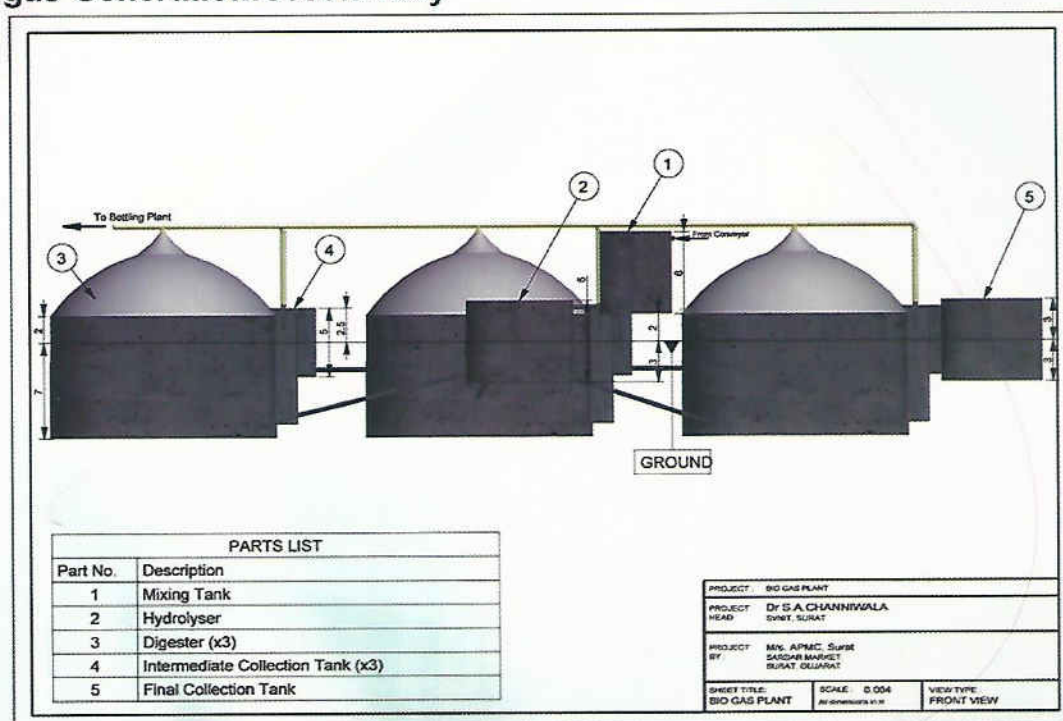
## 2. Vegetable Waste Based Biogas Plant



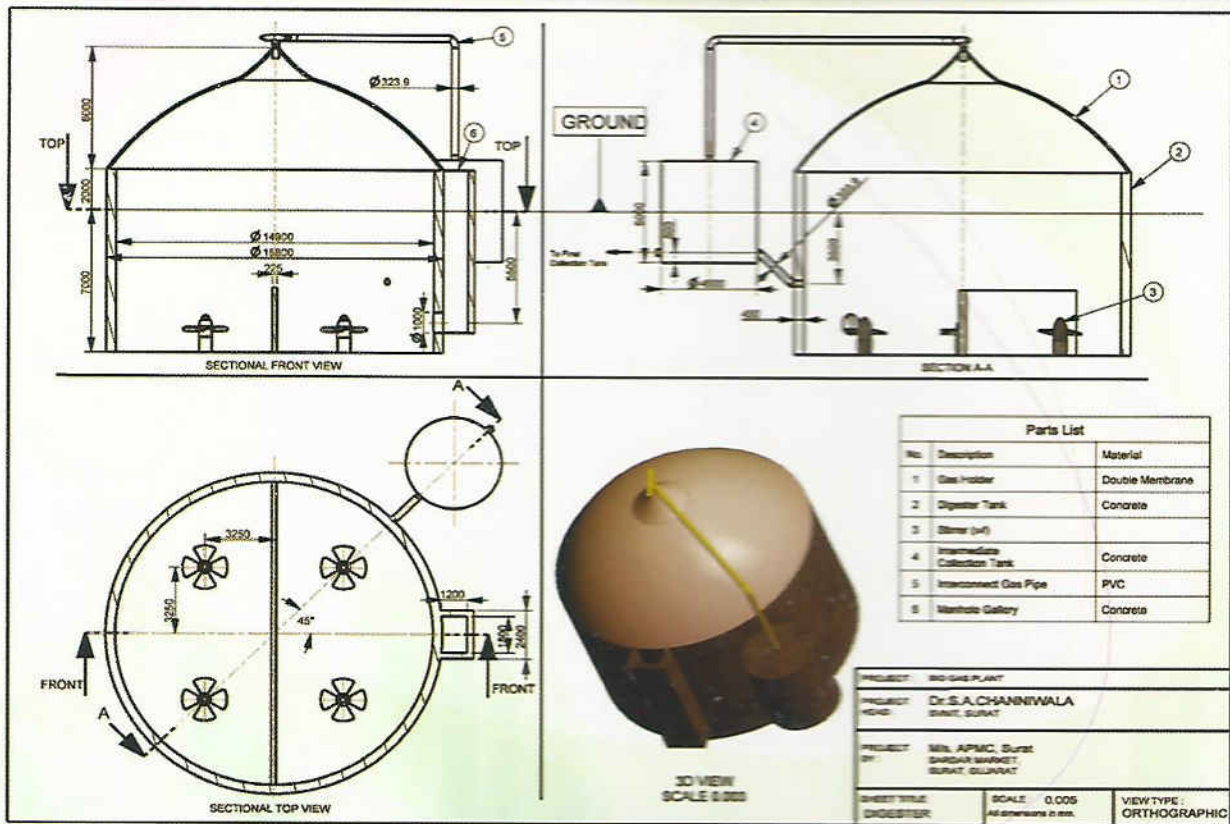
### Proposed Vegetable Waste Plant at APMC, Surat

#### Capacity

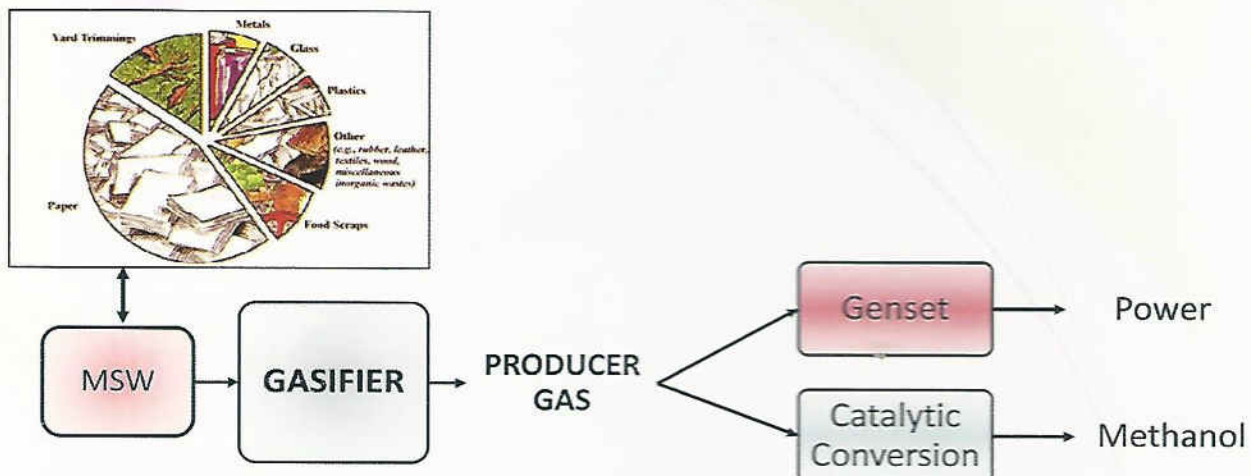
- Vegetable Waste: 35 tonnes /day
- Biogas Generation: 5000m<sup>3</sup>/day



## Details of Digester

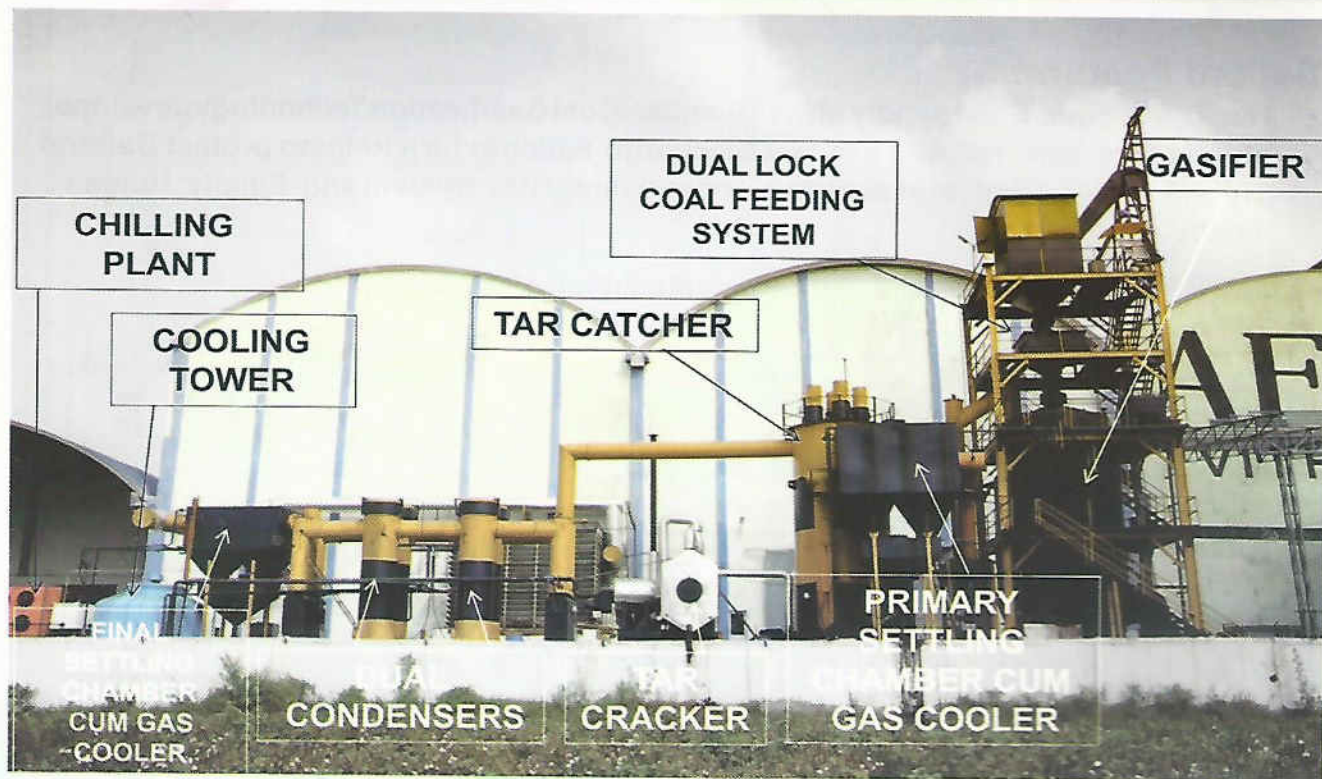


## 3. Municipal Solid Waste Based Gasification System

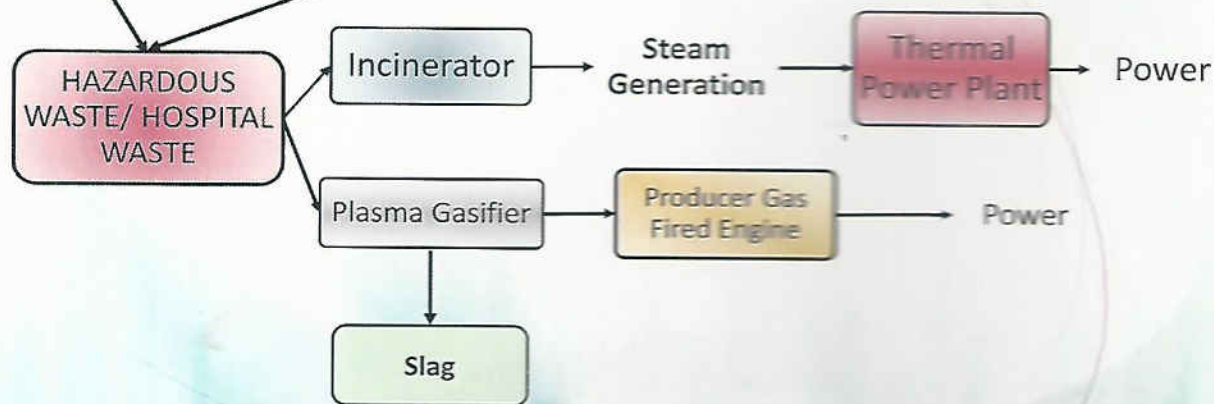




## 20 MW System – Actual Operation at Morbi



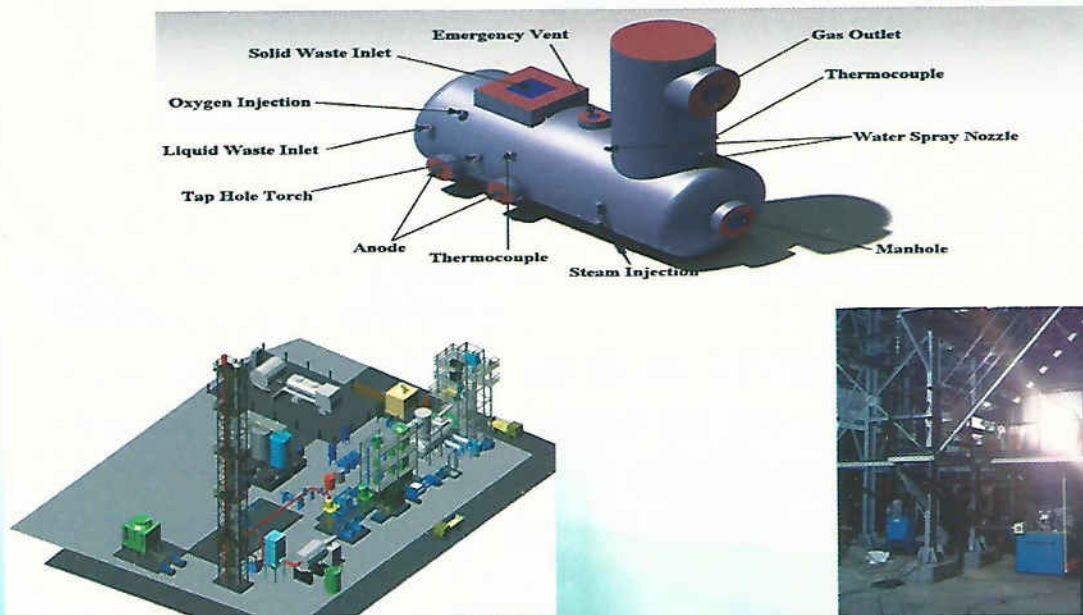
### 4. Hazardous Waste & Hospital Waste Based Incineration/Plasma Gasifier



# PLASMA GASIFIER FOR HAZARDOUS WASTE MANAGEMENT

## Salient Feature:

- This technology is devised to treat and convert Hazardous industrial waste to wealth through Gasification
- MoU: SVNIT, Surat and M/s ENPRO Enviro Tech and Engineers Pvt. Ltd., Surat



## OUR ACHIEVEMENTS – PATENTS

Sr. No.	Title	Application/ Registration Number & Date
<b>INTERNATIONAL LEVEL</b>		
1.	Dedicated Natural Gas Engine Technology for Mobile and Stationary Application Co-Applicant: Dr. Rajesh Iyer	2310/MUM/2009 , dtd. 08/10/2009, CBR No. 9587
2	Zero Effluent Discharge Biomass Gasification System Co-Applicant : Padsumbiya Subhash S, M/s. Gurukrupa Machtech Pvt. Ltd. Morbi	2171/MUM/2013 , dtd. 26/06/2013 CBR No.11062 , Docket No. 13950
<b>NATIONAL LEVEL</b>		
3	Volute for Gas Turbine Applications Co-Applicant: Mr. Samip P. Shah, Dr. Digvijay B. Kulshreshtha	Application No.: 280574 dtd. 17/02/2016, CBR No.: 2166
4	Twin Entry Volute for Gas Turbine Applications Co-Applicant Mr. Samip P. Shah, Dr. Digvijay B. Kulshreshtha	Application No.: 280877 dtd. 26/02/2016, CBR No.: 2645
5	Rotary Delayed Entry Valve for Hydrogen Fuelled Engine Co-Applicant: Dr. Vikas Patel	500/MUM/2010 , dtd. 26/06/13 CBR No.11069, Docket No. 13957
6	Modified Angular Momentum method for Designing a Volute for Centrifugal Fans and Blowers Co-Applicant : Dr. Beena D. Baloni	Design No. 268337, Date: 22/12/2014 Certificate No. 40147, Date of Issue: 15/9/2015
7	Macrolevel Thermogravimetric Analyser cum Pyrolyser Co-Applicant: Dr. Sadanand A. Namjoshi	2872/MUM/2013, Dtd. 4/9/2013 CBR No.13950 , Docket No. 18079
8	Flame Quencher For Hydrogen Combustion Co-Applicant: Dr.Digvijay Kulshreshtha	Design No. 246456, Date: 10/07/2012 Certificate No. 21108, Date of Issue: 29/1/2013
9	Atomiser For Combustion Co-Applicant: Dr.Digvijay Kulshreshtha, Saurabh Dikshit	Design No. 246457, Date: 10/07/2012 Certificate No. 21516 Date of Issue: 22/2/2013
10	Cooking Stove Flame Shield Co-Applicant: Pankaj P. Gohil	Design No. 241354, Date: 09/12/2011 Certificate No. 15527 Date of Issue: 04/05/2012
11	An Inventive Configuration of A Hybrid Car ADRENE Co-Applicant: Manan Desai, H. J. Nagarsheth	421/MUM/2014 dtd. 06/02/2014 CBR No. 1699, Docket No. 2378

## मरीचिका

हैं काँच की हिमाकत, या बिंब नस्तरी लो,  
या मुहर ही जिया पे जहर कर गया है ।  
सरेआम यादों की तस्करी हो रही है,  
तिलिस्म ये तेरा असर कर गया है ।

हकीमों के वश की बात नहीं ये,  
लहू कोई मैला सिंदूर बन रहा है ।  
दुआओं में जितनी मरहम लगाती हो,  
जखम उतना ही नासूर बन रहा है ।

शह की बिसात सह सह कर,  
देहद्रोह का क्या ही अंजाम हो ।  
अर्जी की तोल-मोल करूँ भी कितनी,  
जब कोतवाली ही तेरी गुलाम हो ।

दस ताबीज़, नगीने जड़े उँगल में,  
पर सपनों को तेरी लत हो गयी है ।  
मीठे आँसू मुस्काता रहता हर पल,  
अपनों को मुझसे आफत हो गई है ।

खता नहीं तो ईशारों के खत समेट लो,  
हमारी खुदी का खुतबा रिहा हो जाए ।  
दर्द की घुट घूँट लेंगे हम,  
बस तेरा चेहरा सीने से जुदा हो जाए ।

राहुल रंजन  
Civil engineering  
2010-2014

## जीवन मर्म :-

हम सभी के जीवन में किसी न किसी प्रकार की चुनौतियों का आना लगा रहता है। और हम सभी इन चुनौतियों से कुछ सीखा करते हैं। व्यक्ति को यदि हर मुश्किल की घड़ी में सही समाधान मिल जाए तो काम बनता चला जाता है। सही समय पर सही निर्णय लेने वाला ही आज के युग में विजेता कहलाता है। इस प्रकार से सोचने और निर्णय लेने की कला को कोई भी व्यक्ति अपने माता-पिता से भली-भाँति सीखता है। माता-पिता के त्याग और योगदान को कोई भी अपने शब्दों में बांध नहीं सकता और न ही उसका सही मूल्यांकन कर सकता है। माता-पिता की भूमिका किसी भी व्यक्ति के जीवन में उतनी ही महत्वपूर्ण है जितनी किसी नवीन पौधे के लिए सूर्य और जल की भूमिका होती है, दोनों के कार्य अलग होते हैं लेकिन उद्देश्य एक होता है कि पौधे का विकास होना। किसी दरिया के दो किनारे उसमें तैरने वाली कश्ती को पथ दिखाते हैं और अंत तक उसका साथ भी देते हैं, किन्तु दोनों किनारे एक दूसरे के विपरीत दिशा में होते हुए भी कश्ती को सही मार्ग दिखलाते हैं। ठीक उसी प्रकार का पात्र है माता और पिता का, जिसमें कश्ती तो है व्यक्ति विशेष और दरिया है उसका बचपन जिसके किनारे अर्थात् रक्षक है उसके माता पिता। गौर करने लायक बात यह है कि माता पिता दोनों का व्यवहार अपनी संतान के प्रति एक दूसरे से अलग होता है। माँ यदि वात्सल्य दिखलाती है तो पिताजी फटकार देते हैं। लेकिन दोनों ही प्रकार के व्यवहार से तालमेल बना कर यदि जीवन का रस निचोड़ा जाए तो व्यक्ति को उत्तम भविष्य बनाने में कतई तकलीफ नहीं होती है। अपितु व्यक्ति इतना सक्षम बन जाता है कि जीवन में आई हर प्रकार की रुकावट या मुश्किल से सामना करने में और उसका हल निकालने में तनिक भी अड़चन नहीं आती।

अनुभव एक ऐसी चीज़ है जिसके होने पर व्यक्ति बिना गुरु के भी बहुत कुछ जान जाता है और सीख जाता है। किसी भी कार्य में कदम बढ़ाने से पहले उस कार्य के अनुभवी व्यक्ति से सलाह लेना उचित माना जाता है और दुनिया में लोग इस प्रकार से सलाह लेते भी हैं। सीखना सभी को पड़ता है और जहां जीवन जीने रूपी कार्य की बात हो वहाँ माता-पिता से अच्छा अनुभवी दुनिया में नहीं मिल सकता। माता-पिता की बतलाई बातें कटु लगती हैं क्योंकि वे सभी सत्य और व्यक्ति की कमजोरियों पर चोट करने वाली बातें होती हैं। किन्तु जो व्यक्ति उनसे सीखकर आगे कार्य करता है, निश्चित ही उसे सफलता प्राप्त होती है इस बात में कोई संदेह नहीं। आज के इस युग में मानव हर कदम पर संघर्ष करता जान पड़ता है, अब चाहे वो संघर्ष रोज़ी-रोटी के लिए हो, अच्छी शिक्षा के लिए हो, या अन्य किसी भी स्वाभाविक कार्य के लिए हो। संघर्ष और कठोर परिश्रम ही सफलता की सीढ़ी है। किसी के हृदय में यदि संघर्ष करने की प्रेरणा उत्पन्न होती है तो उसका मूल कारण है माता-पिता की दी हुई सीख। वे हर समय अपनी संतान को सही पथ पर देखना चाहेंगे, बिना कोई स्वार्थ के। समय और परिस्थिति के साथ माता-पिता का अपनी संतान के साथ आचरण बदलता है, और संतान को कभी वो सहज लगता है तो कभी कटु, किन्तु संतान के लिए यह समझ पाना तनिक कठिन हो जाता है कि यह उनके हित के लिए ही है। अपने माता-पिता द्वारा किए हुए त्याग और परिश्रम को समझना आज के बच्चों के लिए अत्यावश्यक है। जगत में माता-पिता ही होते हैं जो अपना सर्वस्व न्योछावर कर देते हैं सिर्फ इसलिए कि उनकी संतान जीवन में सही मार्ग पर चले और सब प्रकार से सफल रहे। सबसे पहले गुरु और मार्गदर्शक माता-पिता ही होते हैं। किताबी ज्ञान तो बाज़ार में चंद रुपयों में मिल जाता है लेकिन जीवन के मर्म कि बात केवल माता-पिता ही समझा सकते हैं।

## સીક્સ સીગ્મા(Six Sigma)

સવારે ઘરેથી નીકળેલું એક સ્વજન  
સાંજે સલામત પોતાનાં માળામાં પહોંચે એની કોઈ ખાતરી નથી.....  
ક્યાંકથી આવ્યું એક ચારચક્રી વાહન ને વીંધાયું – કચડાયું એક માસૂમ બાળ  
તરફડીને એ ભોંય પર પટકાઈ પડ્યું,  
વેદનાથી – ચીસથી તરફડતું એ પડ્યું હતું માર્ગ પર,  
શિશુનું ધવાયેલ શરીર માર્ગ પર પડી તરફડે,  
સ્તબ્ધ મેદની, શબ્દ નવ સરે.  
છેલ્લાં શ્વાસ ધૂંટી રહ્યું હતું એ બાળ,  
નહોતી એની પાસે કો માડી,  
નહોતી એની પાસે કો બહેની,  
એનાં લોહી વેગથી વહેતાં તાં,  
એનાં બંધ પાંપણની તિરાડમાંથી આ બાળને દેખાઈ રહી હતી એની મમતાની પ્રતીક્ષા  
આ બાળ બોલ્યું : જોવી હતી દુનિયા મારે અવનવી ને મને મોત મળ્યું  
મારા માતાપિતાના સપનાનું ઘર બળ્યું.  
માડી, મારા મૃત્યુના સમાચાર સાંભળીને કરજે ના કલ્પાંત.  
હે મા, રાતને પહેલે પરોઢિયે ઝબુકીને તું જાગશે ત્યારે  
ઓશીકે હાથ ફેરવતાં તને પડખું ખાલી લાગશે.  
માડી, ત્યારે મને પાડજે હળવા સાદ  
પડધો થઈ હું દઈશ જવાબ.  
માડી, ગુંથશે તું જ્યારે તારો અંબોડો  
ત્યારે હું તને ચાર પાંચ યુમીઓ ભરીને ચાલ્યો જઈશ.  
હે મા, માર્ગ અકસ્માતે અકાળે મોતને ભેટેલ  
તારું આ બાળ તારી આંખ કીકીઓમાં સદા રમતું રહેશે.  
(Six Sigma Quality એટલે કે 3.4 DPMO – Defects per Million  
Opportunity એટલે કે ૧૦ લાખ પ્રોડક્ટના ઉત્પાદનમાં ફક્ત ૪ પ્રોડક્ટ જ ખામીયુક્ત હોય,  
એટલે કે ઉત્પાદનમાં Zero Defect હોય)



Prof. Dr. Tushar Desai

તું બધાને કે'તી ફરશે, હો બે 'ની,  
મારા હૈયામાં મારો બાળ બેઠો છે સંતાઈ l.

લઈ ખભા પર પોતાના ફુલસમાં નાજુક બાળના મૃત્યુનો ભાર  
જીવી રહ્યા છેવૃધ્ધ માતાપિતાને મમતા વિના આધાર,  
માં ના લાચાર ચહેરા પર દીસે છે સંવેદના,  
ઘરનો ચિરાગ અકાળે બુઝાઈ ગયાની વેદના,  
ઉછર્યું હતું એ બાળને કેટલાય પ્રેમને જતનથી  
ને ગુમાવ્યો આ બાળને આવા કમનસીબથી,  
કલરવ,ઉમંગ વિના જંપેલા એક બાળરૂપી પંખીની આ વ્યથા છે,  
ચારચક્રી વાહનના આતંકમાંથી નીકળેલી ગોળીથી વીંધાઈ ગયેલા બાળની આ કથા છે.  
પ્રતીક્ષા કરતી સૂની મમતાની આંખોની સંવેદનાને અનુભવી  
આ શિશુરૂપી આત્મા અવાજ દે છે,  
ગલીના, ગામના, શહેરના પ્રત્યેક માર્ગો ઉપર જખ્મી થઈ  
અકસ્માતથીમૃત્યુને ભેટનાર શિશુ—માનવીઓની સંખ્યા શૂન્ય થઈ જાય.  
માર્ગ અકસ્માતોનીactivities નું ગુણવત્તા સ્તર સીક્સ સીગ્મા થઈ જાય,  
જીવન થઈ જાય સુરોનો એક સદાબહાર ખુબસૂરત નગ્મા,  
જ્યારે છવાઈ જાય આ મોસમમાં — સંસારમાં Six Sigma.  
શીદ વહાવે એક મમતા એની આંખોમાંથી અશ્રુ,  
શીદ વહે કોઈ બાળના જિગરમાંથી લોહીધારા,  
ક્યું હો મેરે જૈસે ઈન માસુમોંકે સર જમીન પર,  
ઈનકો યું કફન ન નસીબ હો હિંદુસ્તાંકી સર જમી પર,  
ક્યું હો ઈન્સાનિયતકી આંખે જમી પર,  
ક્યું હો યે તારે જમી પર,  
જ્યારે આ દેશના માર્ગો, પુલ, ઈમારત, અને દશે દિશાઓમાં વ્યાપ્ત હોય સીક્સ સીગ્મા  
(Six Sigma),  
આ ધરા થઈ જાય એક સુંદર ઉપવન ને સુરોનો એક સદાબહાર નગ્મા,  
જ્યારે છવાઈ જાય આ મોસમમાં — સંસારમાં સીક્સ સીગ્મા(Six Sigma).....  
જ્યારે છવાઈ જાય આ મોસમમાં — સંસારમાં સીક્સ સીગ્મા(Six Sigma).....

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The Managing Committee appreciates and acknowledges the dynamic and untiring efforts by Er. Dushyant Mehta-1988 Mech (VP- SVNIT ALUMNI ASSOCIATION) for working towards the formation of MUMBAI CHAPTER and also Er. Narendra Patel (1988 EEC) for allowing use of his office premises for ALUMNI Chapter activities.

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The certificate of registrations were formally presented before the Managing Committee dated 30<sup>th</sup> December, 2016





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## Student's Acknowledgment to SVNITAA

Dear Sir,

I am a Pre-final year undergraduate student at National Institute of Technology-Surat, enrolled in a 4 year B.Tech program in Electronics and Communication Engineering. I have a Cumulative Performance Index of 8.7/10.

In last summer, I was selected for an International Internship from 13<sup>th</sup> may to 25<sup>th</sup> July at University of Melbourne, Australia in the department of Anatomy and Neuroscience under the guidance of Prof James Alxender Brock.

Details of expenditure are given below:-

Sr. No	Particulars	Amount(in Rs)
1	Flight + Visa	55000/-
2	Living Cost	60000/-
3	Accommodation (Only House)*	Free
4	Public transport in Melbourne	15000/-
5		Toatal – 1,30,000/-

\*Accommodation was done by Prof.

Sr. No	Particulars	Amount(in Rs)
1	Alumni Chapter, Surat	25,000/-
2	My Contribution	40,000/-
3	Alumni Contribution in Melbourne*	50,000/-
4	Alumni Contribution in Surat**	15,000/-
		Toatal – 1,30,000/-

\*\* Given by Mr. Shahid Khan (Batch-1992)

\*Given by Mr. Persi Desai (Batch-1993)

Dean (Alumni & Rg) has helped students in past also to do their internship abroad. So, I met Dr. SM Yadav, Professor and Dean (Al & RG). He not only informed me about possible source of funding but also gave contact details of local as well as overseas Alumni members of the Institute. I was not getting scholarship from University during my visit.

If I talk about alumni role in my internship, they helped me a lot in every situation. In the beginning, I was trying to get scholarship from somewhere but didn't get, then I met Mr. Percy Desai (Batch-1993) who had motivated me to go there and recommended me to talk to one of his friends who lives in Australia. I was also trying to contact some college alumni who lives in Melbourne, and I found Mr. Shahid Khan and he ensured me that he would give me scholarship with some extent and when I reached there, he gave me 1000 AUD that was huge for me at that time. I did some masti with seniors and knew about Australia.

I am pleased to write this letter to share my experience. It was the first time when I was going outside from India so I was very nervous. I was the only one intern there. I was supposed to do a model of corneal cold-receptor neuron behavior so I did electro-physiological work there. During this period I developed skills in mathematical modeling of neuronal electrical activity. If I talk about enjoyment, I enjoyed very much there and some times we (Prof and I) went for dinner at Indian restaurants. A lot of parties were given to me and we also did trips in Melbourne and this thing was never expected in your intern time but I got that. I feel like it was my pleasure to be there as an Intern. At the end I also say thanks from bottom of my heart to SVNIT-Alumni for supporting me during my hard time.

**Rajat Khandelwal**  
EC- Final Year



## **Sardar Vallabhbhai National Institute of Technology Surat** **SCHOLARSHIP FORM**

1. Name : \_\_\_\_\_

2. Address : \_\_\_\_\_

Email : \_\_\_\_\_ Mobile No. \_\_\_\_\_

3. Affiliations : \_\_\_\_\_

4. In case of Alumni:  
Degree \_\_\_\_\_ Branch \_\_\_\_\_ Year of graduation \_\_\_\_\_

5. Type of Scholarship:  
UG : (i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(iii) \_\_\_\_\_

6. Rate of Scholarship : \_\_\_\_\_

7. Endowment Amount : \_\_\_\_\_

8. Scholarship to be named as: \_\_\_\_\_

Cheque should be payable to "SVNIT Endowment Fund" and mailed to :

Director,  
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SVNIT Campus, Ichchhanath,  
Dumas Road, Surat 395 007, INDIA  
Phone : +91 261 220 1505  
Email : - [director@svnit.ac.in](mailto:director@svnit.ac.in)  
Web :- [www.svnit.ac.in](http://www.svnit.ac.in)

Kindly send copy of it to **Dean (Alumni & Resource generation)**.

Email : - [dean\\_arg@svnit.ac.in](mailto:dean_arg@svnit.ac.in)

Date \_\_\_\_\_

Signature \_\_\_\_\_

## **TERMS FOR SETTING OF UNDERGRADUATE SCHOLARSHIP(S)**

### **Preamble :**

Currently, the UG tuition fee is Rs 70,000 per year. In addition, students need about Rs 50,000 per year to cover mess, books and other expenses. Thus, the minimum cost of education at SVNIT Surat works out to about Rs 1,20,000 per year.

In view of the above costs, we recommend a minimum value of scholarship to be Rs 2,000 per month for 10 months in a year, and in multiples thereof, that is Rs 4,000 per month (Rs 40,000 per year), Rs 6,000 per month (Rs 60,000 per year), etc.

### **Amount :**

An endowment of twenty times the annual expenditure is considered appropriate. With the current rates of interest prevalent in the country, endowment may earn 7% - 8% interest per year. Thus, about 4% of the endowment value will go towards paying the scholarship and the balance of the interest earned will be added to the endowment to cover for inflation.

AUG scholarship per month will be generated from 4% interest of the donated amount. Minimum donation amount will be Rs. 5,00,000/-.

### **Scholarship Options :**

- The scholarship may be based on merit-cum-means or purely on merit.
- It is preferred that the scholarship be open to all students. However,
  - The donor may specify that the eligible students should come from a specific department.
  - The donor may also specify if the scholarship is meant for student(s) of a particular year.
  - The donor may wish that the scholarship is meant for a female student. The

### **General :**

- Scholarship will be named after either the donor or any other person that the donor may decide.
- SVNIT will every year inform the donor about the status of the scholarship including the name of the recipient students.
- The amount is to be contributed by a Cheque / draft in favor of "SVNIT Endowment Fund". SVNIT will keep separate ledger page for each such donation. The excess interest earned (after deducting the scholarship amount) will be added to the corpus and will be used to cover drop in interest rates, inflation, and growth.



**Suraj Pal Jangid ,**  
Student General Secretary

Dear SVNIT Alumni,

We, the students of SVNIT are delighted to see that our college is ranked as the 2<sup>nd</sup> best NIT and in the top 15 engineering and science institutes in India as per the MHRD ranking of Indian Universities 2016. This was only possible by the combined efforts of our esteemed faculty, alumni and students.

The SVNIT Alumni Association fosters the interaction between the institute and the alumni. I am proud to see that many of our graduates have successfully found jobs in international organization, research institutes, consulting firms, education and multinational enterprises. It is even more pleasing to see their commitment to our institute and fact that they do not see it as a responsibility but as a duty to give back.

On behalf of the students of SVNIT, I would like to thank the SVNIT Alumni Association for their generous scholarship offers, creating and maintaining a strong alumni network and for playing a key role in the development of our institute.

With Best Wishes

Suraj Pal Jangid

Student General Secretary

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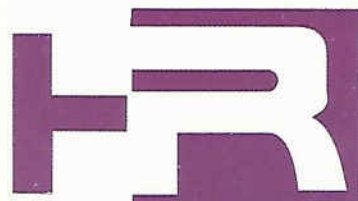
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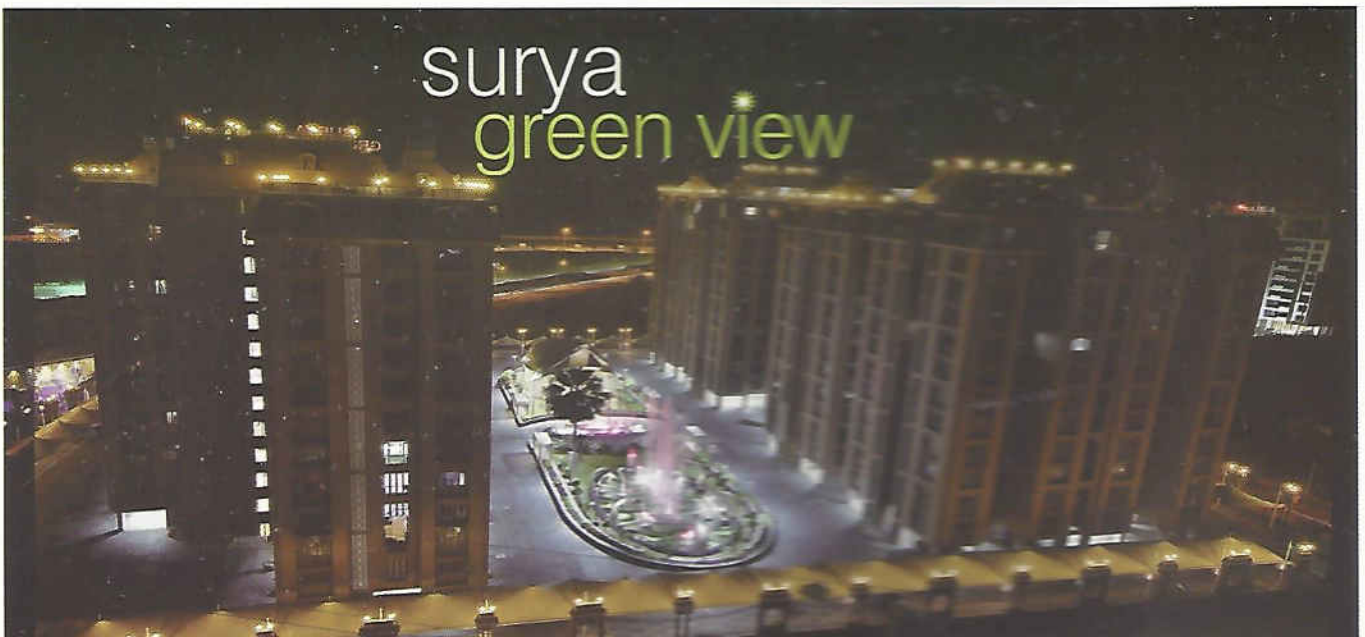
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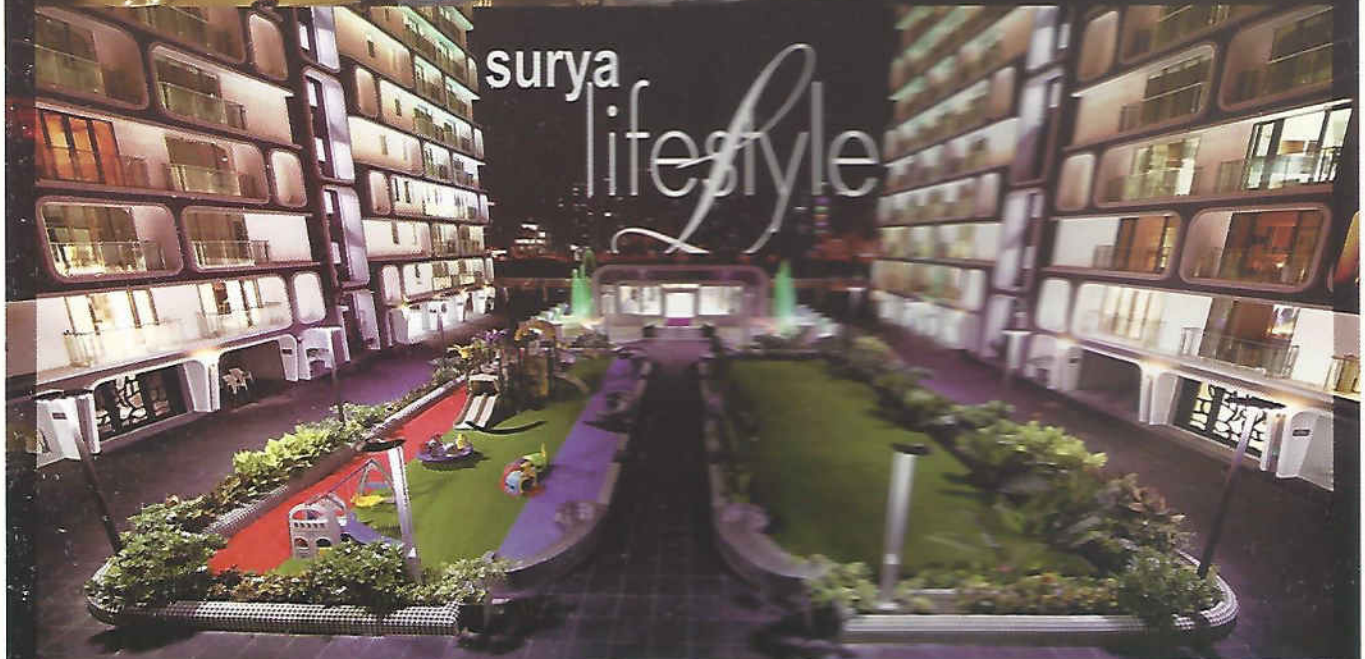
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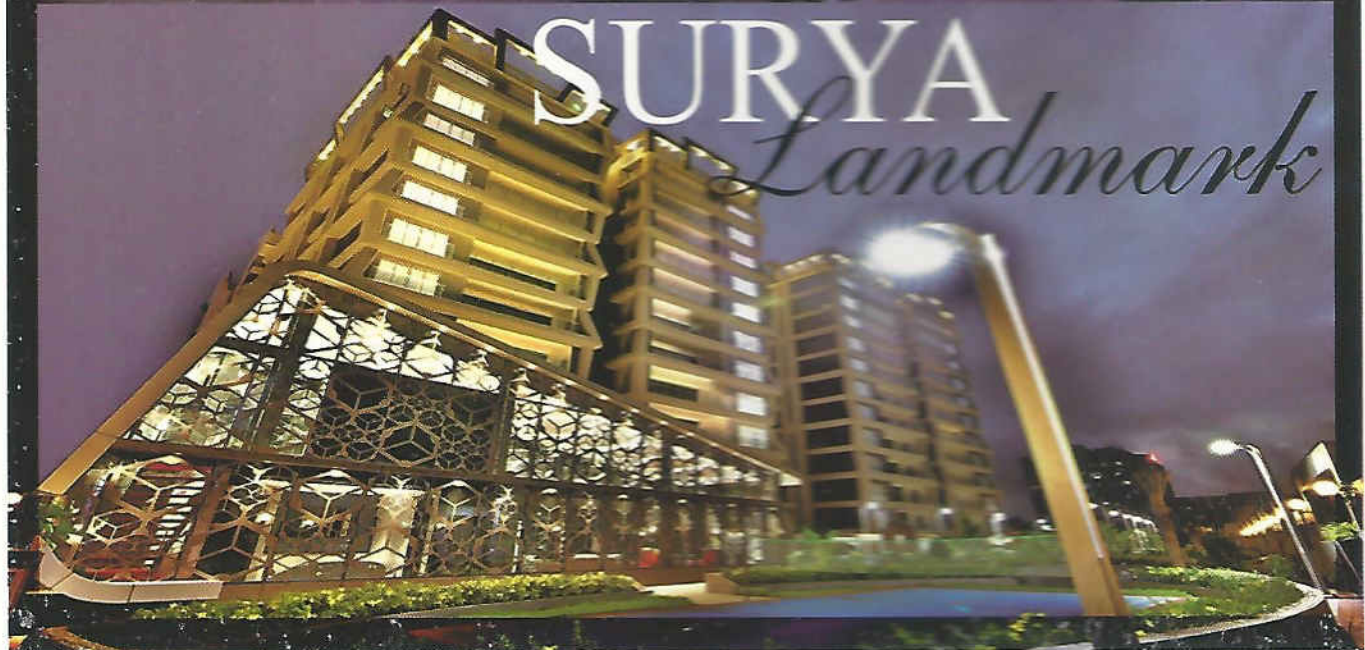
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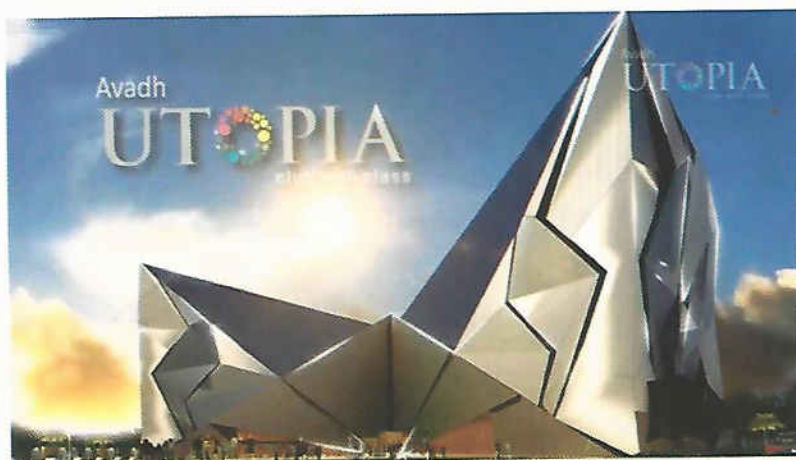
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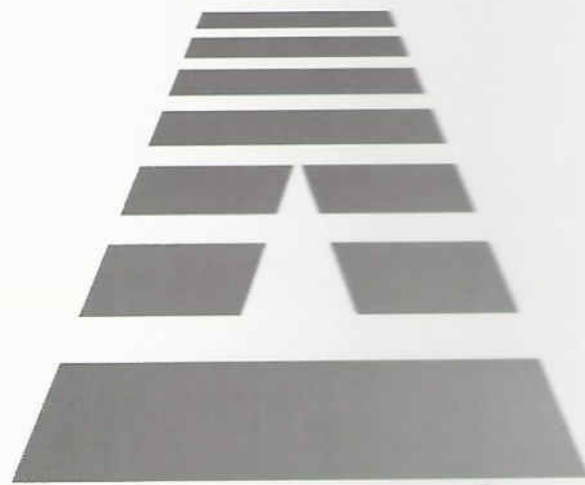
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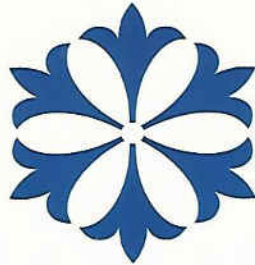
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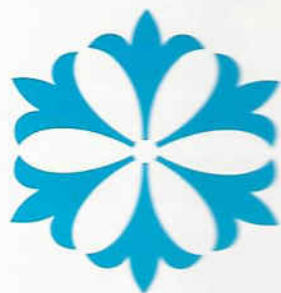
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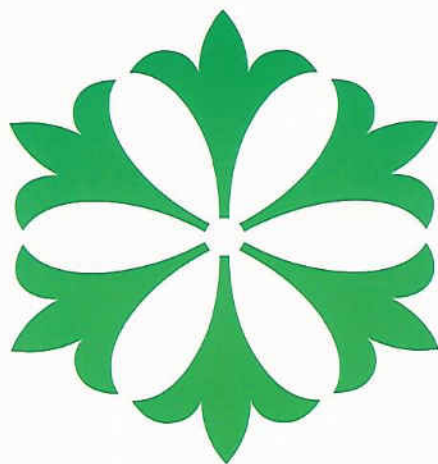


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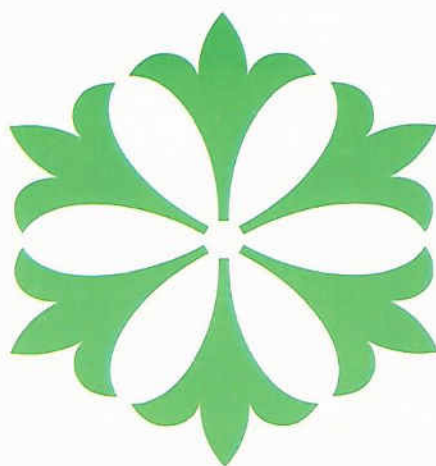
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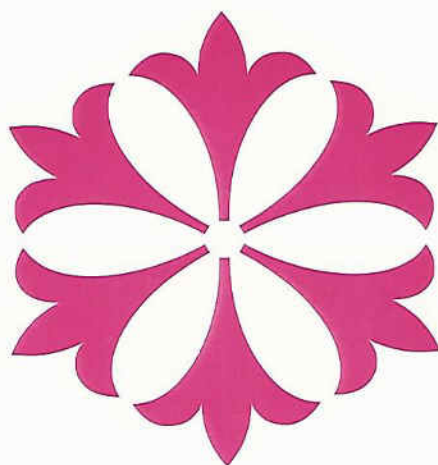


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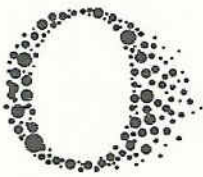
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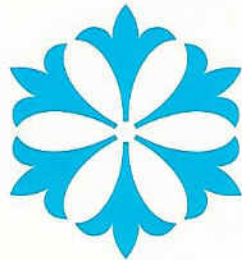


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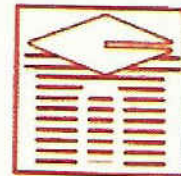
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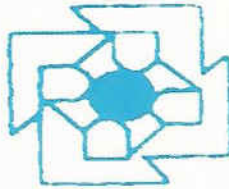
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Estimator  
&  
Interior Designer

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**Jayesh N. Patel**  
(Director)

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Fax : + 91 - 261 - 2633005  
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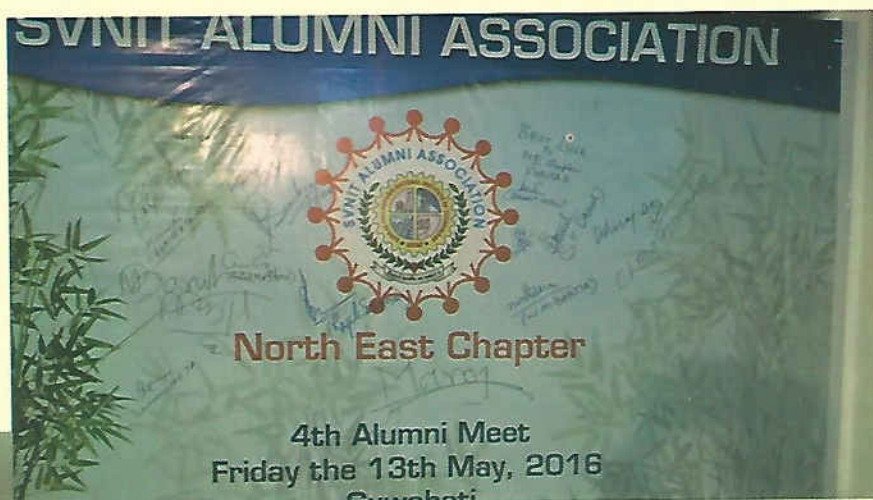
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## Delhi NCR Meet



## North East Chapter Meet



## Kolkata Chapter Meet



## Uttar Pradesh Chapter Meet



## National Convention - 2016



## Surat Chapter Events

### Aaya Sawan Jhoom ke.....



## Surat Chapter Events Ramzat-2016



## Surat Chapter Events



## Laughter & Health Awareness



## Free Medical Checkup Camp



## Blood Donation Camp

## Obituaries

### **Er. Madan Mohan Tandon**

1963-66 Electrical  
D. O. B -20.08.1942  
D. O. D-04.09.1916



**Late Er. Madan Mohan Tandon** Was born at Farokhbad and did his College at Allahabad. He Joined Rlys RDSO and Retd from there only. He is Survived by his wife and one Son .He has one daughter she is married and is at Dubai. His address at Lucknow is "E~2161 Rajipuram lko 226017". We pay our homage for the demised soul & condolence to the bereaved family.

---



### **Er. Anjan Mukherjee**

1978- Mechanical  
D. O. D. : 17-12-2016

**Late Er. Anjan Mukherjee** Was one of the most accomplished sportsperson of SVNIT (then SVRCET). We pay our homage for the demised soul & condolence to the bereaved family.

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## Managing Committee - 2016-18



**Dr. S.R. Gandhi**  
Director  
SVNIT



**Dr. D. P. Vakharia**  
In Charge  
Registrar



**Dr. S. M. Yadav**  
(AI & RG)  
Dean



**Er. Bharat Patel**  
1978-Civil  
President



**Er. Ranjit Sinha**  
1987-Civil  
Vice President



**Er. Dushyant Mehta**  
1988-Mechanical  
Vice President



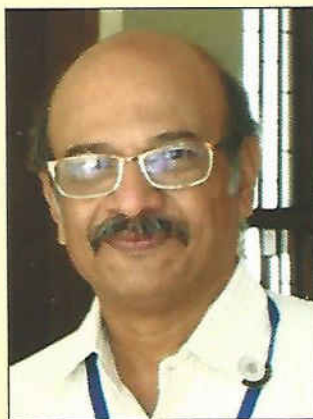
**Er. Mayank Trivedi**  
1982 - Electrical  
Vice President



**Er. Prakash Anandani**  
2002-Production  
Hon. Secretary



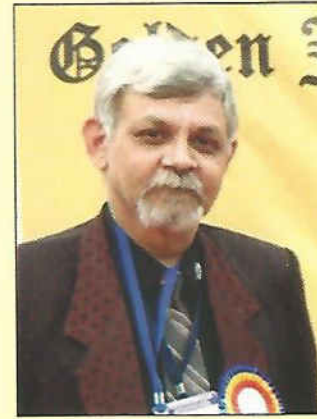
**Er. Ketan Desai**  
1991-Civil  
Joint Secretary



**Er. P. A. Gambhir**  
1884 - Mechanical  
Treasurer



**Er. Suresh Malik**  
1976-Civil  
I.P.P.



**Er. Kamal Parekh**  
1989-Civil  
I.P.S.



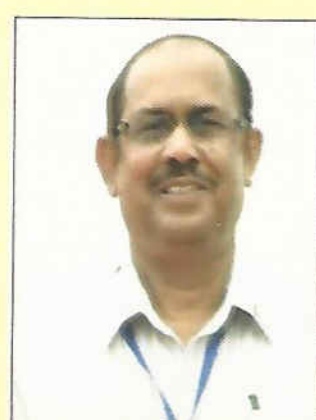
**Er. Mukesh Variawa**  
1981-Civil  
Committee Member



**Er. Hemant Patel**  
1979-Civil  
Committee Member



**Er. Arvind Arora**  
1976-Civil  
Committee Member



**Er. B. K. Verma**  
1976-Civil  
Committee Member



**Er. Paras Doshi**  
1983 - Electrical  
Committee Member



**Er. Minesh Patel**  
1994-Civil  
Committee Member



**Er. Nilesh Shah**  
1987 - Civil  
Ex. Officio Member



**Er. Percy Savai**  
1982 - Civil  
Co-opt. Member



**Er. Jivraj Vinzuda**  
1987 - Civil  
Co-opt. Member



**Er. Akshay Pachchigar**  
1989 - Civil  
Co-opt. Member



**Er. Ashok Moitra**  
1978 - Mechanical  
Invitee Member



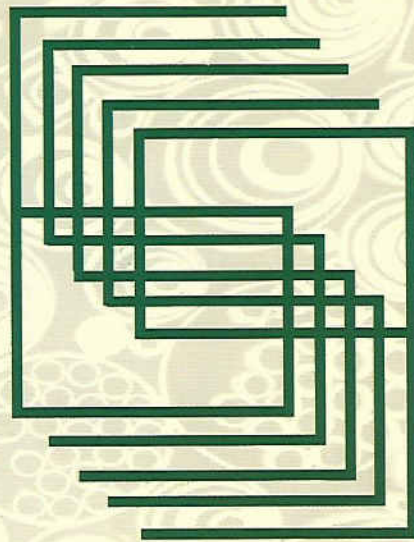
**Er. Abraham Koshy**  
1982 - Electrical  
Invitee Member



**Er. Pinky Shah(Dariyani)**  
1995 - Civil  
Invitee Member

**VIJAY MEHTA**

1988 Mech. Surat



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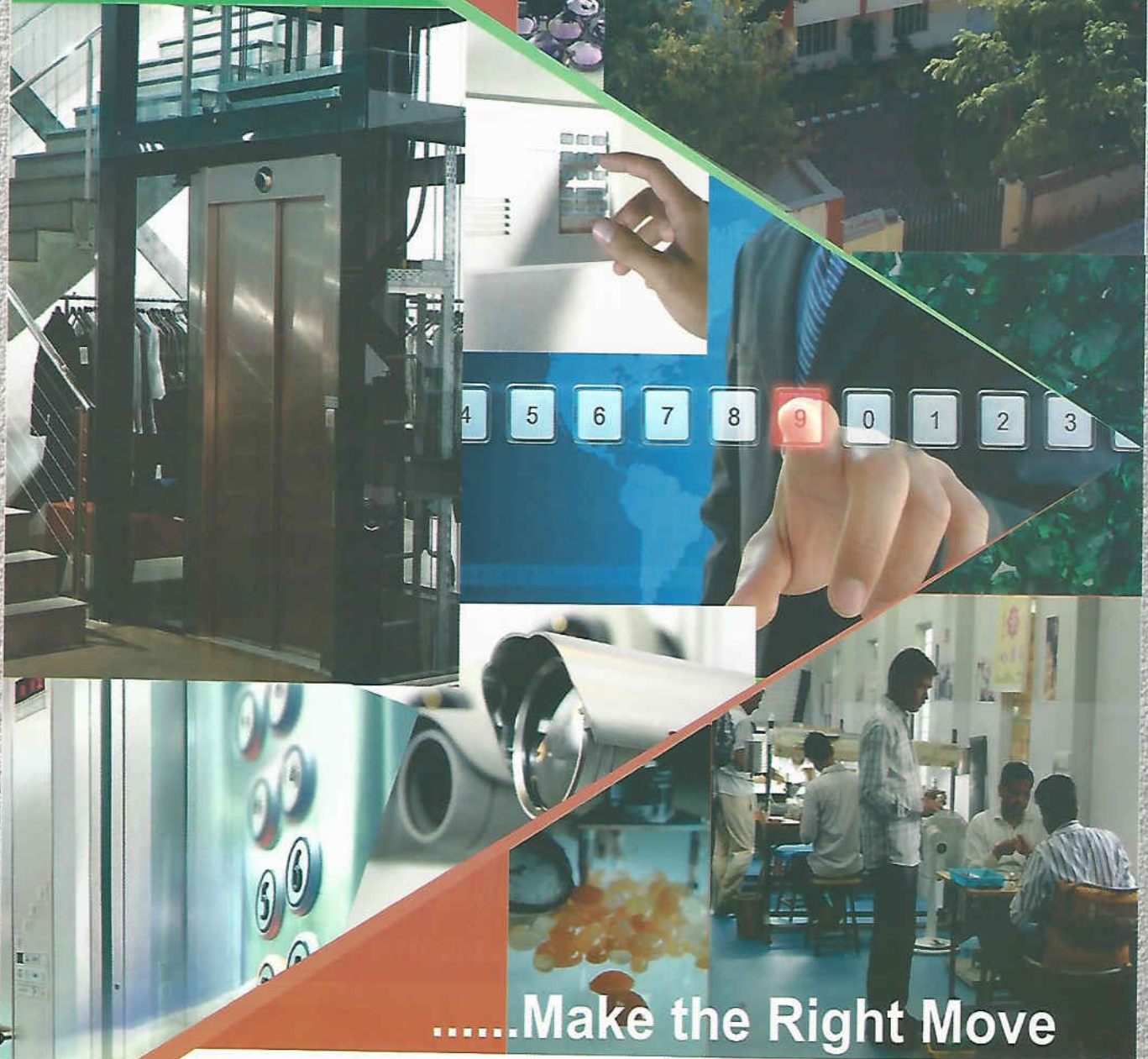
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