

5.3.2 Co-Curricular

Sno	Title
	2016-17
1	Catalyst 2016
	2017-18
2	Catalyst 2017
3	CSI
4	CSI-TSEC Committee Report
	2018-19
5	Catalyst 2018
6	CSI Report 2018
7	TSEC Hacks 2019
8	Heart Marshal Training 2018
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10	CSI Report 2019-20
11	TSEC HACKS 2020
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12	Chemergence 2020
13	Placement Webinar Series Session 1
14	Placement Webinar Series session 2
15	Placement Webinar series session 3
16	Placement Webinar series session 4
17	TSEC CodeCell-Git and Github
18	TSEC CodeCell-Weekly challenges
19	TSEC Hacks 2021
20	Women Development Cell Webinar 2021
21	Webinar - Sharpening Your Skills To Take A Big Leap.
22	Webinar on Artificial Intelligence

Catalyst 2016

A photograph of an industrial refinery or chemical plant at sunset. Several tall distillation columns and a complex network of pipes are visible against a sky with dramatic, golden-hued clouds. The sun is low on the horizon, creating a strong backlight effect and lens flare.

An IChE-TSEC Publication

THE
CATALYST

CATALYZING EXCELLENCE



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FROM THE HEAD OF DEPARTMENT



DR. SADHANA J. PUROHIT

Head of Chemical Engineering Department
Thadomal Shahani Engineering College

The IChE Students' chapter at TSEC has always been a staunch supporter of conceptual excellence rather than rote learning and ChEMERGENCE has been a great platform for students to showcase their skills. Keeping with the current scenario, this year's theme has been selected as Catalyzing Excellence. With this motto, the IChE-TSEC committee is trying to nurture the talents of students with the valuable insight of the people from the industry.

Being the Head of the Chemical Engineering Department of Thadomal Shahani Engineering College, I take a lot of pride in saying, each year Chemergence has made a statement by coming up with novel ideas. And having the pleasure of witnessing this monumental change, in the nature of viewing chemical engineering, has been one of the most fulfilling feelings for me as a Head of the department.

In conclusion, I would say that in this world of challenges and turmoil only technical excellence will effectively solve and prevent herculean issues like environmental instability, energy crisis and the rampant use of natural resources. Chemergence is currently at the acme of the technical festivals because of its unique and ubiquitous reach. I wish that Chemergence reaches even greater heights in the years to come and continue to excel all standards of excellence, each year.

FROM THE TEACHER CO-ORDINATOR



PROF. ELIZABETH JOSEPH

Associate Professor, Chemical Engineering Department
Thadomal Shahani Engineering College

Today, in this world of consistent development, excellence has become a top priority for each one of us. The crucial chemical engineering industry is also not an exception to the aforesaid fact. Excellence in process design and management and excellent operating practices have become the underlying principle of each entity involved in this field.

Every year, the annual technical symposium of the Chemical Engineering Department of TSEC, ChEMERGENCE amazes its audience with its charismatic aura. This year, ChEMERGENCE 2016 has arrived with an aim to catalyse excellence. To technically catalyse any reaction, the best way is to choose a vehicle which requires the least activation energy. The way ChEMERGENCE 2016 is crafted to catalyse excellence also is similar to the above example. A group of self motivated, diligent students who struck the iron when it was hot and appropriate conditions conducive to their growth together summed up this sojourn of organising ChEMERGENCE 2016 .

I won't say Team ChEMERGENCE 2016 has surprised me with this wondrous event because I had already foreseen the magnitude of ChEMERGENCE 2016, given the grit and determination this team was working with. And if this bears a testimonial to the calibre of the current generation to catalyse excellence, I can do nothing but gaze in awe and amazement to experience the excellence manifest.

Wishing them a journey of catalyzing excellence wherever God places them.

My Best Wishes to ChEMERGENCE'17

FROM THE DEPUTY TEACHER CO-ORDINATOR



PROF. SANGITA BORKAR

Assistant Professor, Chemical Engineering Department
Thadomal Shahani Engineering College

Today, I have both the pleasure and pride to be a part of ChEMERGENCE 2016, a national level technical symposium witnessing overwhelming response from the participants. The organising committee has worked very hard in making ChEMERGENCE 2016 happen.

I personally witnessed their team work, dedication and enthusiasm during the entire tenure. This bears testimonial to the fact that if given an opportunity coupled with proper guidance, the young generation can do wonders. I would like to thank the entire working committee from the bottom of my heart who played a pivotal role in organising ChEMERGENCE 2016.

Since I joined TSEC in 2009, I have seen ChEMERGENCE evolve like the crescent moon. ChEMERGENCE 2016 can be viewed as a reflection to the marvels the current generation can create. These kind of opportunities should always be harnessed to the fullest as they flaunt creativity and knowledge together on a common platform. I wish all the individuals involved with ChEMERGENCE 2016 all the best and I am confident that they will make a difference in the future. A special thanks to the HoD of Chemical Engineering Dept-TSEC, Dr. Sadhana Purohit, all the faculty members and the non-teaching staff for their continuous candid cooperation throughout ChEMERGENCE 2016.

Thank You for giving me this opportunity and I wish each one of you,
All the Very Best for all Your Future Endeavours...

FROM THE CHAIRPERSON'16



PRAPTI SHINDE

Chairperson,
IICHE-TSEC

To be honest, I have been attached to ChEMERGENCE, since the last year. That was the time, I came to know how it actually feels to be a part of a national level technical festival. ChEMERGENCE is not a mere word, it is a brand name which every TSECite (especially the Chemical Dept) looks forward to.

Since its establishment, every year, ChEMERGENCE has changed for better, with the introduction of many novel and noble concepts and competitions which helped students expand their horizon of knowledge.

This year, ChEMERGENCE 2016 has spread its reach to diploma colleges across the nation, granting them access to this vast pool of opportunities. With new initiatives like the Reactor Design Competition, ChEMERGENCE 2016 is set to be a sensation amongst every technocrat.

I would like to take this opportunity to thank the HoD of Chemical Engineering Department, Dr. Sadhana Purohit Ma'am and the entire teaching and non-teaching staff for encouraging me to pursue all my endeavours. I would like to express my gratitude to Prof.Elizabeth Joseph Ma'am and Prof.Sangita Borkar Ma'am for their consistent support in all matters.

I would also like to thank the former Chairperson, Mohit Surana, for guiding me throughout my journey.

The IICHE-MRC Committee too have always been appreciative towards all the endeavours we wish to undertake. Pratik Bhagat Sir has been an excellent guide, through the thick and the thin.

This journey was not easy. But, with my committee members always there to share the brunt, it turned out to be a mesmerizing experience. I would like to thank all the Committee Members, the Event Heads, the Volunteers and last but not the least, my Parents, without whom, this dream would have been far from reality.

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THE TEAM BEHIND ChEMEREGENCE'16



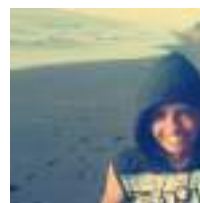
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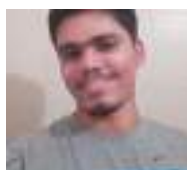
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CATALYZING EXCELLENCE

“Excellence is never an accident; it is the result of high intention, sincere effort, intelligent direction, skillful execution and the vision to see obstacles as opportunities”

The life of every organism on this planet revolves around the attempt to attain excellence in their tasks at hand. This consistent effort to excel in every walk of life adds myriad colours to the otherwise mundane lifestyle of individuals. Engineers are born to excel; not because it adorns them with awards and accolades but because it turns out to be somebody else's comfort. They make living, easy and worth-while.

The evergreen chemical industry is evolving and truly stands as a testimonial to excellence. However, this industry is in earnest demand of individuals who can help catalyse its persistent effort to attain excellence, effectively and economically.

Activation Energy is pre-dominantly an important fundamental in catalysis. It sets a threshold limit to each entity. A self-driven molecule, however, is in no need of such stimulus. All it needs is a condition conducive to its growth and it makes hay when the sun shines.

A generation of skillful, self-motivated, energetic and efficient technocrats is preparing themselves to embark on this journey to strive for excellence. And the sole purpose of ChEMERGENCE 2016 is to showcase all these individuals and their traits on a common platform.

So, let's put our best foot forward to Catalyse Excellence at ChEMERGENCE 2016. Let us show the world that:

“Change We Must, Change We Can, The Power lies in Our Hands”



Generic Events

Present the Unperceived The Technical Paper Presentation

Albert Einstein once said,
“Logic will get you from A to Z; Imagination will get you
Everywhere”

Chemergence 2016 at its event titled “Present the UnPerceived” gave an opportunity to all budding chemical engineers an opportunity to discover the undiscovered. Ranging from sustainability that will make the world a better place to live to innovation that will create luxuries, this event has witnessed it all.

The papers presented scrutinized in two stages:

ELIMINATIONS:

Dr. Anita Kumari
Prof. Prasad Parulekar
Prof. Atish Kulkarni
Prof. Azam Khan
Ms. Aditi Barge
Ms. Shivani Vedula

FINALS:

Dr. Godfree Fernandes

Canvas Carnival

The Poster Presentation Competition

The “Canvas Carnival” at “Chemergence 2016” is a tailor made event for participants who want to manifest their ideas on a creative canvas. The most intriguing creativity coupled with an technical edge over the others will be claimed as the winner by the esteemed panel of judges comprising of Dr.Sadhana Purohit, HoD-Chemical Dept and Mr. Pratik Bhagat, Process Engineer, GS Engineering Services.

FUN AND LEARN

CHEMICAL CRYPTICS

“Chemical Cryptics” at Chemergence 2016 posed mind boggling questions to participants upto their last grey cell. This event was customised to test the exemplary excellence of growing chemical engineers in their field of study. Those who could stand the trial of these witty questions being hurled at them at the speed of light by Quiz Master Dr.S.S Bhagwat and survived the test of time were crowned as the Ultimate Rulers of the Chemical Engineering Empire.

SALT ACT

The "Salt Act" at Chemergence 2016 tested its participants ability to decode the chem(y)stery of salts. Speed, Accuracy and Precision are the three ladders that helped the winners scale their road to victory. The participants were judged for their analytical skills by our own professor from the Applied Chemistry Department, Prof. Vandana Kadam



DESIGN

COOL IT
TO
WIN IT
THE
COOLING TOWER
DESIGN
COMPETITION

OF NUTS
AND
BOLTS
THE
PROJECT
EXHIBITION

With extreme operating conditions of temperature playing the most crucial place in any industry, the need to cool these “heated” sites is equally important. A Cooling Tower is therefore one of the most important and indispensable unit in any Chemical Industry.

ChEMERGENCE 2016 has given an opportunity to each of its participant to propose and design an unique yet practically feasible model of this Most Important Utility in any plant at “**Cool It to Win It**”. The most efficient yet economically feasible will be crowned as the undisputed winner.

The panel of experts judging this event comprised of Prof. Ravindra Joshi and Prof. Swati Donde from Mukesh Patel School of Technology, Management and Engineering

To comply with an oft repeated quote which says knowledge is of no use, unless it is put in practice, ChEMERGENCE 2016 presented a tailor made opportunity to each individual to present his love for nuts and bolts to fuel his/her own aspirations.

Ranging from to explicit fuel cells to complicated reactors and ideas that will drive the world, this event encompassed every frontier that influences the Chemical Industry, only to make it bigger and better.

EVENTS

ChEMERGENCE 2016 gave a “one of its kind” opportunity to every budding chemical engineer to materialise his/her ideas in the world of Heat Transfer.

Participants were expected to get away with their mundane theoretical calculations and design a working heat exchanger model that would leave the compatriots spellbound.

The panel comprised of Prof. Usha Nambiar and Prof. Azam Khan who have mastered the phenomenon of Heat Transfer to its core.

To quote Charles Hill, “One feature that distinguishes a chemical engineer from other genre of engineers is the exposure to basic concepts of Chemical Reaction Engineering.”

This year, ChEMERGENCE 2016 gave each of its participant an opportunity where they could actually determine the kinetics of a reaction and depict their potential to revolutionise the area of reaction kinetics.

The judges for this event were our very own teachers, Prof. Nita Mehta and Prof. Shardha Nadkarni.

HeatX

THE
HEAT EXCHANGER
DESIGN
COMPETITION

CRAVE
FOR
CONVERSION

THE
REACTOR DESIGN
COMPETITION

LECTURE SERIES

PREPIN - PREPARATION FOR THE INTERVIEW

ChEMERGENCE 2016, through its event titled PrepIn, aims to train its participants for a better future. This seminar boasted of people with excellent expertise helped the attendees get an edge over their other compatriots, in every walk of life. This exciting hour, guided by the torchbearer, Mr. Sushil Khitani (Senior Engineer, Proposal Division, Toyo Engineering Pvt.Ltd) is definitely going to make a difference in the life of the audience.

CHEMX LECTURE SERIES

ChEMERGENCE 2016 has strived to help its compatriots get an edge over their counterparts, by allowing them to interact with the finest individuals from the chemical industry. Eminent personalities from industry and academia alike are guided the audience to ensure that their walk in this intriguing field turns out to be a cake walk.

1. Mr. Ravi Raghvan

Editor Chemical Weekly

2. Mr. Lalit Vashishtha

Director, Diva Envitech

Head, Student Chapter, MRC.3.

REVIEWS

ChEMERGENCE 2015 gave me an opportunity to showcase my skills once again. ChEMERGENCE 2015 was an amazing event where I witnessed several brains with outstanding ideas, huge potentials and fierce competition.

The first day I gave my presentation and was selected for the finals along with the three other teams. The finals of TPP ended with me winning the first prize. It obviously was a surprise. The dream of winning ChEMERGENCE once before I pass out was fulfilled. This made us learn that there will be competition wherever you go. Such symposiums let you get an experience before you step out to face the world. I would like to thank the IChE Committee and the people behind the cameras for giving this opportunity to all of us. I hope the committee works hard and ChEMERGENCE continues with its legacy of being the most awaited symposium.

- Akash Bhat.

First Prize, Technical Paper Presentation

Participating in heat exchanger design competition was the journey from on-paper model to working prototype. Big task in this was searching required things in the "Bhoolbhulaiya Gullies" of South Mumbai markets and later fabricating and assembling them in such a way that model gave desired results. When the test run for model went smoothly, that was the remarkable moment for us and winning the competition was the icing on the cake. No doubt our guide professor and friends too had a share in this victory.

- Vedant Kadam,
Shashikant Jadhav,
Sumit Rotake

First Prize, Heat Exchanger Design

Salt Act has been a wonderful experience for me each and every year that I have participated. Everyone associated with the event, from the teachers to the members of the organising committee are very helpful and approachable. Also, the event is organised really well and all necessary arrangements are done well in advance which makes an event that can very easily become chaotic very smooth in its functioning. I wish everyone associated with ChEMERGENCE the very best for this new edition which I trust is only going to get bigger and better.

-Soumil Y. Joshi

First Prize, Salt Act

GLIMPSES OF CH



TECHNICAL PAPER PRESENTATION



COOLING TOWER



POSTER PRESENTATION

EMERGENCE'15



HEAT EXCHANGER



CHEMICAL
QUIZ



SALT ACT



HTRI



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Catalyst_2017



THE CATALYST

ABOUT THADOMAL SHAHANI ENGINEERING COLLEGE

Thadomal Shahani Engineering College

The Thadomal Shahani Engineering College (TSEC), was founded by the Hyderabad (Sind) National Collegiate Board in the year 1983. The college is amongst the first Engineering Colleges' to be affiliated to the University of Mumbai to start the following courses:

- Bachelor of Engineering in Computer**
- Information Technology**
- Electronics and Telecommunications**
- Biomedical, Biotechnology**
- Chemical Engineering**
- Along with, Master's course for Engineering in Computer.**

The campus encompasses two tributaries, namely the old and the new building.

The old building is a host to the departments of Chemical, Biotechnology and Biomedical Engineering, whereas the New Building covers up the remaining three streams.

The two buildings are well equipped with the requisite laboratories and classrooms and flawless infrastructure. Be it technical or managerial abilities, TSEC has set a benchmark for the years to come. The Institution has been fostering and moulding the young minds by forging them for a better tomorrow.

FROM THE CHEMICAL DEPARTMENT



TSEC is the home to one of the core branches of engineering namely Chemical Engineering, affiliated to the University of Mumbai. It is one of the few colleges to accustom this course and harbour it's technical brilliance for more than 30 years. The Chemical Engineering Department, established in 1983, has always produced and developed the crux of this core stream, elements which have driven the engineering mechanism forward. The alumni list with their achievements stands as a constant motivator to the current generation, setting a vision one should follow. The laboratories of this institution are well equipped and give a pilot test for all engineers in the bud to understand the functioning of the industrial scenario. Activities that boost the curiosity has always been undertaken by the staff by conducting various quiz competitions, workshops and industrial visits. The faculty itself is engaged in many futuristic research areas such as simulation and design, chemical kinetics, fermentations to name a few. The limelight and laurels brought to the department, mirrors the reach of TSEC, thereby standing to it's mission: To be a globally recognized chemical engineering program.

FROM THE HEAD OF DEPARTMENT



All these years, a bitter sweet feeling has always stayed back with me to see such beautiful minds ending their journey to reach another milestones. It's an honor to

know that we have forged a platform for these young minds to reach these milestones. We have, through various programmes, given the students an exercise to become interpretative thinkers who produce merit worthy work, in gaining academic skills, content knowledge and well founded decision making. One of these efforts in this direction is ChEMERGENCE organised by the IICHe Students chapter in association with the Chemical Department of TSEC, which has over the years fostered the aptitude and talents of young dreamers with the precious appreciation of experienced professionals who revolutionized the chemical industries and research academia. It has been eleven years, since it's inception and each year the students have strived to bring us tremendous happiness and pleasure with their efforts to build a sturdy base that will help them strive towards success and prosperity. To view the students everlasting dedication warms my heart.

I would encourage my beloved students to come forward, and be a part of this beautiful effort, to gain inestimable knowledge and experience to emphasize character education and practical knowledge to bring about colossal change in the functioning of this sector and to solve the problems of the hour. I would like to end this paraphrase by wishing ChEMERGENCE to "Emerge" and achieve remarkable milestones, as it has been doing year after year. My best wishes to all the students for their wonderful future!

Dr. Sadhana J. Purohit
Head of Chemical Engineering Department

FROM THE TEACHER CO-ORDINATOR



ChEMERGENCE.- Initiated in 2006 by our very own Department of Chemical Engineering, has completed 11 Successful years, and now this year, ChEMERGENCE- 17 comes to you, armed with a highly relevant theme: "Harnessing Exergy". Our brilliant team has worked day in and day out to make it one of the most exciting Technical festivals held in our country!

Human brain is the most outstanding compact machine in this world. Utilizing it effectively can produce wonders! A group of budding engineers, working with DISCIPLINE, DEDICATION, and DETERMINATION, tremendously increase the potential to achieve amazing results. This increase in potential, this ability to produce fantastic results, is EXERGY!! Let us use our Exergy to Learn, Improve, and Apply our skills for the betterment of the Indian industrial sector.

After all, our Department, like our College, vouches for "Higher Technology for National Development"!

Like every year, ChEMERGENCE- 17 has offered a huge platform for participants to exhibit their skills, in multiple specialized arenas such as Reaction Engineering, Mass Transfer, and Heat Transfer.

I assure you that the ChemLect Series by experts in our field will prove to be a "gift" to us and will encourage the Engineer in each one of us to strive toward expressing our gratitude to our domain of excellence, that is, Chemical Engineering.

I am glad to have had the opportunity to work with this enthusiastic team. I appreciate each and every one of the IChE-TSEC team for organizing such a successful symposium, ChEmergence - 17.

My best wishes to ChEMERGENCE- 18!



FROM THE EDITORIAL TEAM

From reading magazines to developing one, the journey itself has been quite a memorable experience . The efforts to put out an amalgamation of a concise yet conducive piece of art proved to be a challenging and a learning role. The path undertaken to reflect the upcoming vision of ChEMERGENCE'17 is what this edition of CATALYST encompasses. Catalyst is an annual magazine published occasionally around the technical symposium ChEMERGENCE. This edition reaches out to the alumins of TSEC serving as motivation, guidance, to contrive a boulevard and setting an example to follow in this labyrinth of Chemical Consortium. The Major highlight includes ChEMERGENCE, which witnessed a congregation of nine technical events. The theme, 'Harnessing Exergy ' associated this tenure ignites the fire within each budding Chemical undergrad. The hardwork and the teams efforts put in to conduct the fest has been an unforgettable journey providing a new learning experience for each of it's contributors. The entire team of committee members, coordinators, volunteers, teaching and non-teaching staff has strived a lot to bring into reality a fest like ChEMERGENCE'17. The editorial team stands in debt to all people who made this endeavor a remembrance. A heartfelt thanks to our Teacher Coordinator, Prof Usha Nambiar who was a constant motivator and a perfect guide in this sojourn. Many thanks to our Chairperson, Ms Akanksha Salunkhe and the entire Chemical Engineering Department which stood as the foundation of ChEMERGENCE 2017!

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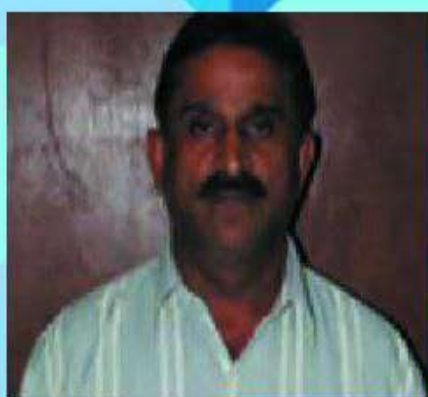
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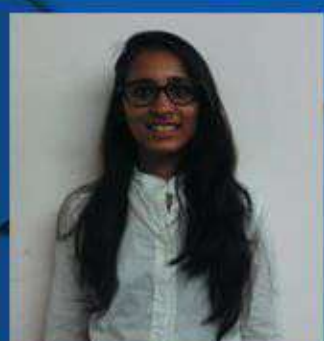
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(MAGAZINE)

ABOUT CHEMERGENCE'17

In this plethora of everyday chaos, a sense of balance is what one wished for. But sometimes you have to rise above it to achieve more. It is the energy that we put after attaining our threshold that matters!

The above context is analogous to the thermodynamic concept of the term exergy. Exergy can be defined as the free energy available in the system. This year, charging forward with the idea to extract every individual's technical personification the theme titled harnessing exergy stood as a motivation and an inspiration to one and all. The confluence of all the efforts in raising the bar of expectations and innovations is what this year unfolded.

With various unit operations having their undisputed need, the analysis of feasibility in chemical engineering stands apart. The equilibrium conversion set to be achieved with minimal energy losses is what a Chemical Engineer engages in. The interpretation from exergy yields the location, magnitude and type of energy losses occurring in the system. The environment plays an important role in evaluating exergy. Creating an environment to harness exergy was what CHEMERGENCE'17 reflected. For many people the number 12 is just a two digit number. A committee of 12 was with what the 12th edition of Chemergence started. Though small in number, it did not affect the team's determination to make this symposium a success. Every member worked selflessly, in this journey, sacrificing a lot without complaining. Challenges were tough but so was the commitment of each and every member. Harnessing Exergy, the theme for the year 2017 was meant to be much more. It reflected the fact that the team captured every small resource and harnessed it to its core.

The efforts of the team could not be summed up better than these two lines :

**Don't Strive to be a Success
But
Rather to be of value!**

EVENT

ChemLect

Talk with people who make you see the world differently!

A stage set for students to witness wisdom up close from various pioneers of the chemical industry is what this event presented. The Echo of Experience heard in the room, gave everyone present a sense of integrity and a feeling of motivation. The enlightening exposure of the industrial practicalities by the keynote speakers was outstanding and was a great pleasure for team ChEMERGENCE'17 to have been acquainted with all of them.

Technical Paper Presentation

An idea is all what it takes to bring out a revolution. And an idea on paper, is just the emergence of it. Technical Paper Presentation gives the young minds a platform to showcase their ideas and welcome positive criticism right at the initial stage of development. TPP has helped finding specific strengths and flaws of many ideas that have been presented in the past years.

Poster Presentation

The secret of getting ahead is getting started!

ChEMERGENCE'17 gave a juncture to all the participants to concoct a picture perfect frame on a meter squared area. To Resonate with the spectrum of colors and stand out from the black and white. The idea to knit the Chemical Engineering knowledge from broad Paragraphs to bullet points having maintain an equilibrium between the technical and creative skills is what this event presented.

Cool It

To solve the pinching of the industry by the heated hotspots, the engineering mind soon to be in play in the industries were tested at ChEMERGENCE'17 in it's event Cool It. Participants had to design a miniature cooling tower model to keep the industrial sensitivity at par. By narrowing it down to the natural draft, harnessing of air, an utmost

DESCRIPTION

Enact to React

The role of kinetics is utmost important and builds the foundation of the Reactor Design. At ChEMERGENCE '17 we emphasized on the formulation of these foundations and made them stronger by having students predict, perform and present their understanding. Participants had to develop a theoretical model and support it with experimental evidence.

To load the reactive areas of the brain with concepts of Chemical Reaction know-how's and to engineer a Reactor by triggering the calculations and achieving the desired conversion, this event truly witnessed an ingenious mindset of all the participants associated with the event!

ChemQ

In youth we learn, with age we understand!

ChemQ at ChEMERGENCE'17 offered a perfect stand for participants from various Institutes to tackle the technicalities and emerge out as a Chem master. The event involves principles of Chemical Engineering and a test of wit and proficiency of competitions in this field. The combination of the strength of patience to elude the strain on the brain and respond as a quick reflex, this event titled with one winner!

Scratch Design

The beginning of all things are small. From some dimensions on a sheet to design on site, the journey from Reactants \rightarrow Products starts from a scratch.

Scratch Design, An incipient event in ChEMERGENCE'17 also tested the future minds on their knowledge of Process simulation. Mustering their skills of Material and Energy balances, participants had to help the product to travel to its Destiny.

HeatX

ChEMERGENCE'17 hosted one of the mind stupefying event wherein the participants had to market their design to the audience present. To spectate the participants aiming to bring down temperature, their out of box thinking to increase the residence Time flipped the coefficients of their mind. From its initial design on paper to its posterior, the hardwork of every participant beared fruit knowing now that they stand one step away from solving one of the major industrial problems.

Salt Act

The analytical portion of the brain will turn the picture of this game! ChEMERGENCE'17 following its tradition gave an entire laboratory wherein the minds and analytical skills are kept in vigilance and scrutinised on the result of deduction. The agility and the dynamic response spurred up the entire system keeping in check the quality and quantity of resources at hand. The spectating pleasure of this event was such one wouldn't want to miss.

GLIMPSES OF CHEMERGENCE'16



COOLING TOWER



LECTURE SERIES



SALT ACT



CHEMICAL QUIZ



PADMAVIBHUSHAN
PROF. M.M. SHARMA



THE TEAM BEHIND CHEMERGENCE'16



Crave for Conversion



POSTER PRESENTATION



INAUGURATION CEREMONY



TECHNICAL PAPER PRESENTATION



FELICITATING THE PRINCIPAL

ARTICLE CATALOGUE

FROM THE ALUMNUS OF TSEC

Chemergence, a renowned National level Technical Symposium and a successful initiative by the Student Chapter of IChE in Thadomal Shahani Engineering College (TSEC) is celebrating its 12th edition on 7th October 2017 and it's my extreme pleasure to get associated with Team ChEMERGENCE for this year too.

While wishing a great success for ChEMERGENCE 2017, some vivid memories took me to year 2008. First time I volunteered for ChEMERGENCE '08, followed by an Event Coordinator for Industrial Defined Problem (IDP) event in ChEMERGENCE'09. Year by year ChEMERGENCE was gaining recognition from reputed academic sectors, industries and the Team ChEMERGENCE was toiling hard for its Excellence!

Today after 6 years of professional journey, when I recall my first successful campus placement in Aker Solutions, it feels that graduation isn't the end of tough journey but it is the beginning of beautiful one. In 2011, I started my career as Graduate Engineering Trainee in Process department of Aker Solutions. When I was surrounded in Aker by graduates from ICT, IITs and other experienced candidates, there was a deep conversation in mind whether I'll sustain with my limited knowledge of chemical engineering but soon I started realizing a fact that in any stream what matters is your attitude and approach, intelligence contributes little.

My professionalism and consistency in delivery became my strategies to excel. I started breathing process engineering and updating myself as years were rolling on. Soon I revisited my interest in IChE, which I left behind with student membership when I graduated.

Today IChE MRC is my weekend home which doesn't let me forget the essence of chemical engineering even though I wish to take a break on weekends.

Life sometimes catches sonic velocity, you just have to be sound with its mechanism. Today when I glance through those vivid memories, many of them motivates me to set a benchmark for upcoming generations of Chemical Engineers.

Journey starts with several national level tech-fest awards and nomination for TSEC Gold Medallist and continues till today being the youngest Honorary Regional Secretary of IChE. Aker Powergas Recognition Awards, publications in international journals, several technical talks on prestigious platforms are ensuring me on the right track.

My chemical engineering journey till date is too short to narrate and there are many milestones lined up in near future. However I truly enjoy when someone asks me to share same. I feel extremely grateful while coming to TSEC, interactions with student, assistance to technical matters and no doubt this always be indispensable part of this journey.

My sincere thanks and best wishes will always be there with the genius Team, who is consistently working towards prestige of ChEMERGENCE!"

"Everything you found easy, you once found hard. So dream big, begin small and start now.."

Pratik G Bhagat

Process Engineer at GS E & C Mumbai Pvt. Ltd.

Former Honorary Regional Secretary and Executive Committee Member – IChE MRC (2015-16) Alumnus – TSEC (B.E. Chemical Batch 2011)

FROM THE ALUMNUS OF TSEC

Looking down the memory lane, it fills my heart to pen down my thoughts in this edition of the departmental magazine, the Catalyst. It has been 23 years since I left back this esteemed Institution that has trained me to reach this propagated stature. To reach out back to the students gives me immense joy through this foreword.

My journey to being the Director of Sterling Auxiliaries has been one of the milestones of my life. Heading the company from it's foundations to employing hundreds of Chemical Engineers today, each step towards this milestone traces me back to the roots. All the principles on which Sterling Auxiliaries stands on, is due to my incipient experience.

Sterling Auxiliaries Private Limited (SAPL) is one of the most versatile specialties Chemicals.

SAPL incorporated in 1984, headquartered at Mumbai having its major manufacturing locations in Gujarat, Western India.

SAPL has established strong domestic and international presence as one of the preferred supplier of APEO free Surfactants, Ethylene & Propylene Oxide Condensates, EO-PO Block Co-Polymerization, Construction Chemicals & Cement Admixtures, Oil Field and Gas Treatment Plants.

SAPL also support formulations & provide technical support for applications like:

Home & Personal Care, Textile Processing, Pesticide Emulsifiers, Gas Treating.

SAPL is catering to renowned list of customers in domestic and international market.

I would like to encourage all my fellow engineer's to not restrict their thoughts by the scope of Chemical Engineering but rather than creating opportunities. The initiatives taken up the government of India like Make in India, I urge all engineer's to harness every opportunity available in the open.

-SANDEEP CHOKHANI, DIRECTOR, STERLING AUXILIARIES PRIVATE LIMITED,
ALUMNUS 1994 BATCH



FROM THE UNDERGRAD

The possible scarcity of oil and gas resources in the future is a major concern throughout the world. For this reason, there is a need for working on reducing the dependence on imported energy resources. Alternative energy resources such as bioethanol, biodiesel and biomass have gained prominence over the years in order to substitute petroleum-derived products. Bio-based lubricants have also gained importance as alternatives to conventional petroleum-based lubricants in various applications, especially the automotive industry. Despite the benefits of bio-based lubricants, these lubricants are still far from being practical substitutes

This is because, the most commonly used lubricants are substances having a 3-fold purpose. They help reduce friction, prevent wear and tear of the surfaces in mutual contact and provide a protective coating for corrosion resistance. Apart from these obvious functions, it may also serve as a medium for transmission of force, transporting foreign particles or heating or cooling of surfaces. In this study, use of bio-based lubricants, their advantages over synthetic lubricants and methods to increase their feasibility for use in industries is put forward.

Bio-lubricants, or bio-lubes are made from vegetable oils, primarily rapeseed, canola, sunflower, soybean and others. Bio-lubes have a lot of advantages over synthetic lubes, from providing a cleaner and toxic-free work environment to being biodegradable. They offer better safety due to higher flash point and lesser vapour emissions.

In order to use plant oil-based lubricants with special additives, chemical modifications, De novo synthesis, breeding, and/or biotechnology play an important role. These methods improve the performance and stability of base oils in lubricating formulations. They also provide a sufficient capacity of plant-based oil substrates for green engineering.

How are bio-lubes produced!?

There are several ways of synthesizing bio-based lubricants, one of the most common method, is the two stage transesterification method.

The first stage is the process of using methanol in the presence of sodium hydroxide to produce biodiesel. The second stage is the reaction of biodiesel with trimethylolpropane using sodium methoxide as catalyst to yield palm or Jatropha oil base trimethylolpropane esters (biolubricants). The basic raw material for this process is vegetable oil. Methanol, Sodium methoxide, Trimethylolpropane (TMP) and ethyl acetate, are used in the manufacturing process.

Palm oil is converted to fatty acid methyl esters (FAME) using methanol transesterification process. The obtained methyl palm biodiesel treated with silica gel after 30 minutes, removes soap. Palm oil based TMP esters can be prepared using transesterification reactions. Trimethylolpropane (TMP) is initially dissolved into small amount of the obtained biodiesel with the aid of heating (70–90 °C) and stirring to melt the crystalline solid. A known amount of TMP is added with constant stirring and the mixture is heated to an operating temperature of 120–130 °C before addition of sodium methoxide catalyst. After the reaction is completed; which takes about four hours, the reaction mixture when cooled to room temperature ethyl acetate is added and filtered to remove the catalyst and solid materials. The final products i.e. biolubricants are analyzed for their lubrication properties. Empirical evidence and stoichiometric calculations suggests that used palm oil yields results fairly close to that of unused palm oil depending upon the extent to which the oil has been used, since amount of unoxidised fatty acids present in the oil varies from place to place. The inference drawn from the research was that used cooking oil, so abundantly available can be used in a very efficient way by converting

**-PRATIK KHARE
BE, CHEMICAL**



REVIEWS

1.Omkar Bhatavdekar
Poster Presentation.

ChEMERGENCE has always been one of the events I have loved to go to. The event is always well organised and conducted in unison by the committee. The events are challenging and no matter if you win or lose, you end up with an enriching experience. I have participated in almost all events at ChEMERGENCE in 2 years and I strongly recommend every chemical engineering student to participate. I wish all the very best to the team 2017

2.Ashutosh Karkare
Technical Paper Presentation.

My experience at ChEMERGENCE 2016 was unforgettable. It is always a pleasure to visit TSEC for such events since the organisation is so smooth. I was a participant in TPP and the level of competition was very high. This is good however, since it inspires and motivates me to improve myself! I appreciate the efforts taken by the organising committee for organising such events.
Thank You!

3.Ronak Chedda,
HeatX

Participating in Chemergence was an eye opener for me. Not knowing the various challenges and difficulties that one would face in fabrication, I was confident. The experience humbled me. Now, I am much more appreciative and thanks to ChEMERGENCE, my knowledge has expanded considerably.

5.Husain Rasiwala
Chemical Cryptics

The general aptitude round questions were good and at par with the general aptitude test of big MNCs. The event was managed very well. I luckily scraped through the preliminaries but the quarterfinal round was challenging due to the quality of questions and marking scheme. I got eliminated but enjoyed spectating the final round. Thank you team HChE-TSEC for the

4.Yash Toshniwal
Cool It to Win It

The cooling tower competition experience was a great one. We were competing with around 10 teams. The arrangements for the same were fantastic and proper conduct of event was ensured by the committee. There was no hustle-bustle and everyone got proper time to show their cooling tower to judges.



CHEMERGENCE 2017!

HARNESSING EXERGY



An IIChE-TSEC Publication

CSI-TSEC Committee Report 17-18

CSI-TSEC Committee Report 17-18

The Computer Society of India's student branch at Thadomal Shahani Engineering College (CSI-TSEC) completed another successful tenure during the academic year 2017-2018. Their year commenced with the formation of an exuberant and resolute committee in July 2017 and concluded with their flagship event RUBIX'18 in February 2018.

CSI-TSEC initiated their journey with the Membership drive where they introduced the first year students to CSI and exemplified its role in a student's development in order to enrich their technical skills. CSI-TSEC also provided their members with creative technical and fun goodies and also introduced the students to the TSEC app - The one stop source to all you need to know about TSEC.

CSI-TSEC 2017-18 redefined the endeavours of technology with their first fest held on 19th of August'17 named 'TECHNEXT'-where technology goes beyond periphery. This fest focused on developing the basis of technical knowledge of budding engineers by workshops on power bank making where the students learned to make the circuits of the power banks and the robotics level-1 which acquainted them to the basic aspects to the wide range of robotics. Mr. Adithya Iyer who documented some of his interesting findings in his book, The Great Indian Obsession glistered the fest with his enthusiastic talk show while Mr. Rizwan Shaikh introduced the audience to the world of Ethical hacking and guided about cyber security. The response was absolutely fantastic and as usual, all records of registrations were broken. The breakdown of the schedule of Technext is given below:

DATE	TIMINGS	EVENTS
19/08/2017	10AM – 4PM	Robotics Level-1 Workshop
19/08/2017	10AM – 4PM	Power Bank Making Workshop
19/08/2017	4PM Onwards	Adithya Iyer Talk Show
19/08/2017	4PM Onwards	Ethical Hacking Seminar By Rizwan Shaikh
19/08/2017	All Day	FIFA and Counter Strike

After a successful run in the year 2017, CSI-TSEC came up with their annual fest RUBIX held on 10th – 11th, February 2018. They redefined certain technical hurdles to an effortless way with their workshops and seminars. The distinctive topics of Augmented Reality and Artificial Intelligence was put forth in order to expand the reach of current technical advancements to the students. The students were taught to develop their own AR app. They were familiarized with the extraordinary machine intelligence applications and were made aware of its increasing application in today's world. After establishing the foundation of robotics in Technext'17 with Robotics level-1, CSI-TSEC introduced Robotics Level-3 which involved Arduino-Uno coding to construct a line following bot. The schedule of Rubix is given below:

DATE	EVENTS
10/02/18	Robotics Level-3 Workshop
10/02/18	Artificial Intelligence Workshop
10/02/18	Augmented Reality Workshop
11/02/18	Occult Coding
11/02/18	Inverse Coding
11/02/18	Relay Coding
10/02/18 - 11/02/18	Rubix up and Cube Solving
10/02/18 - 11/02/18	FIFA and CounterStrike
10/02/18 - 11/02/18	Technical Paper Presentation

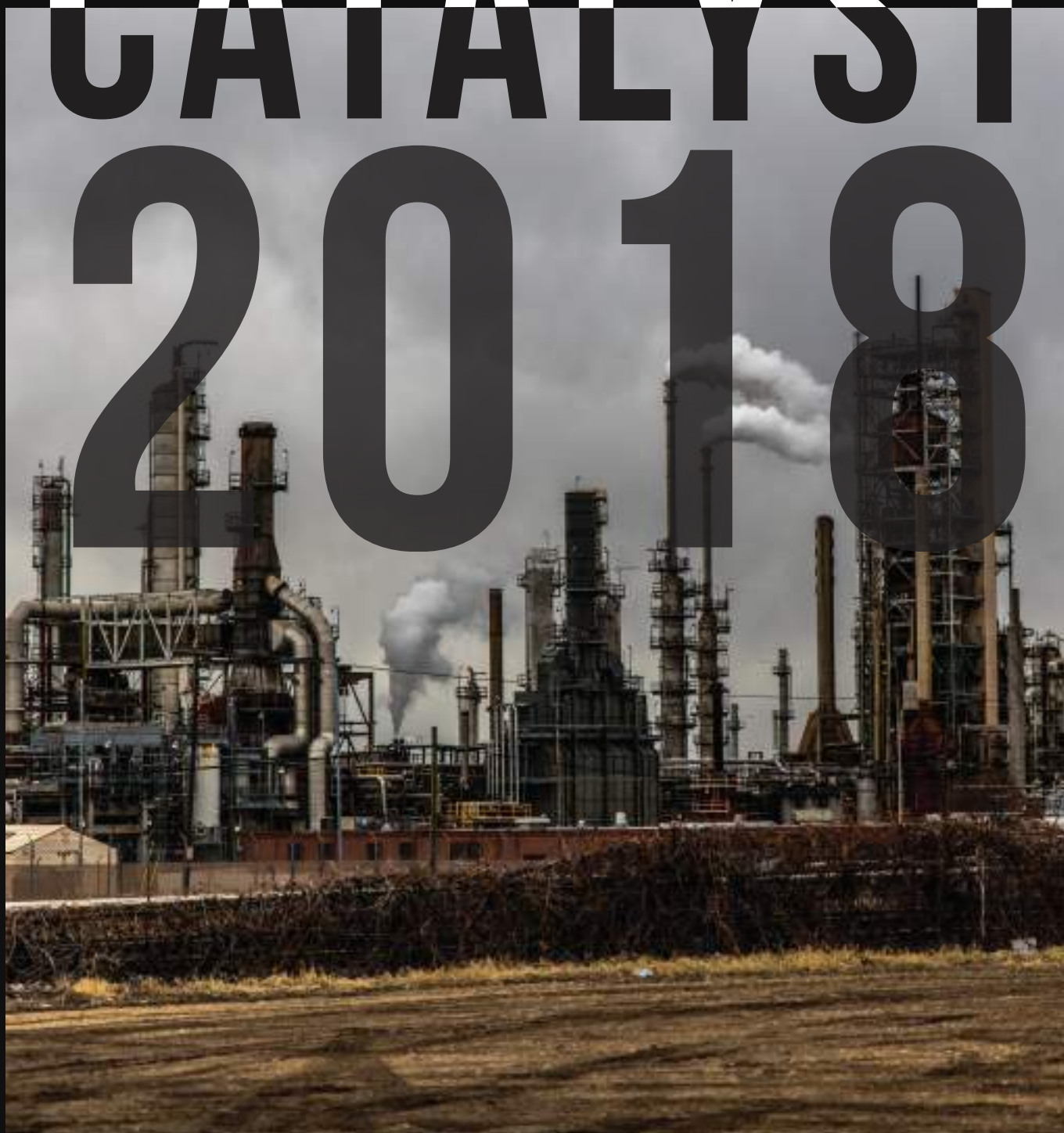
Exploring and working with a true essence to achieve their objective, CSI-TSEC was glorified with the "Best Institute of the Year-Introduction of Innovative New Programs and Courses" award.

With great enthusiasm and profuse perseverance, CSI-TSEC gave their contribution to escalate and encourage the present generation about the significance and growth of technology. "We come as a team, we conquer our goals unanimously. If we believe that the future will be excellent and bright, we can bear the hardship today and excel towards victory with no barriers restraining you from achieving it."

With this motto CSI-TSEC 2017- 18 completed their tenure with sheer dedication with a resolution to add their contemporary and unique zest to the extensive field of technology and to celebrate the advancement of it. And while the world sits back unwinding the complex web of technology, CSI-TSEC works towards challenging and resolving it in an exciting and unique method.

Catalyst 2018

THE
CATALYST
2018



IICHE - TSEC

PUBLICATIONS

Celebrating

35

*Years of
Technology*

When technology takes shape before you, there is no way you get it wrong. Right from Artificial Intelligence, to the Internet of Things; Machine Learning to Software Integration in industries. We've seen it all and have been a part of them all.

1983 to 2018 is a long time, but when every day is a celebration 35 years is just a small benchmark of our monumental venture.

THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE



FROM THE PRINCIPAL

Massive opportunities are unfolding in emission neutral processes and products. Indian professional education has been on the move to capture the need of society in the areas of energy and effluent treatment.

Independent of negativity prevailing in the perceptible level, great learning is happening in the realm of chemical engineering. We shall experience an inflection point in the fortunes of chemical industries and ICT driven Chemical process industries as Industry 4.0 sets in. Massive opportunities are unfolding in emission neutral processes and products. Indian professional education has been on the move to capture the need of society in the areas of energy and effluent treatment. Advances in the following areas of research bordering bio-technology shall be part of everyday discourse among chemical engineering academics and researchers:

- Bioreactors
- Design and scale up of external loop airlift bioreactors
- Continuous flow cell recycle fermentation biomass hydrolysates
- Scale up
- Plant and animal cell structure
- Plant cell as chemical factories and recovery of valuable products
- A Fluidized bed reactor for the cultivation of animal cells
- Biochemical Engineering
- Bio remediation and waste treatment
- Metabolite production, physiology and microbiology
- Enzyme engineering
- Enzyme reactance performance under thermal inactivation
- Downstream processing and bio separations

Chemical Engineering Department of our college celebrates and accentuates the essence of coming together of faculty and students through "ChEMERGENCE" as an annual event. I could see the energy and overflowing joy in the organizers, who left no stone unturned to live up to the expectations of all enthusiasts of past and present to make it a great success. I congratulate one and all who commits to the cause of Chemical Engineering Departments flag ship event of "ChEMERGENCE". I wish all concerned a professional success and a prosperously eventful year ahead.

Dr. G.T. Thampi
Professor and Principal
Thadomal Shahani Engineering College



FROM THE HEAD OF DEPARTMENT

“

It is these (ChEMERGENCE) rare opportunities that provide a platform for students to express themselves and develop their skills.

”

Dr. Anita Kumari
Head of Department
Department of Chemical Engineering

It gives me an immense pleasure to be associated with the activities of the thirteenth national level technical symposium, ChEMERGENCE'18, organized by the Department of Chemical in association with IChE-TSEC. The objective of this festival was to provide a platform for the students to have a one-on-one interaction with the students from different colleges in India and with the professionals of the Chemical industry and academia. It is these rare opportunities that provide a platform for students to express themselves and develop their skills. ChEMERGENCE initiates the exchange of ideas of substance, where students get a chance to demonstrate their conceptual knowledge and portray their vision of tomorrow's Chemical Engineering and its vital importance in the overall development of today's world. This year, we have introduced a new event- 'ChemDebate' in addition to popular events like Technical Paper Presentation, Poster Presentation, Cool IT, HeatX, etc. I can now say with pride that we received an overwhelming response from across India. I take this opportunity to acknowledge the valuable contributions of all the sponsors, without whom this event would not have been possible. I commend the working committee for their well-co-ordinated team work and dedicated efforts in planning and managing the entire festival of ChEMERGENCE '18; in making it a grand success and a memorable one at that. My words of appreciation also go to all the dignitaries, judges and the participants, who make the festival the wonderful mega-event that it proves to be. I once again like to express my sincere gratitude to all the sponsors, the Principal Dr. G.T. Thampi, the staff members of Chemical Engineering Department of TSEC, and last but not the least, all their participants for showing their immense interest and enthusiasm. I feel ChEMERGENCE, as a festival has always been a good learning experience for all the participants and the students of the Chemical Engineering Department of TSEC; and I intend it to do so in future too. I wish the following working committee much luck for ChEMERGENCE '19.



FROM THE TEACHER CO-ORDINATOR

“

In order to develop new enhanced products which will uplift the quality of life as well as fulfil changing consumer demands, continuous research and development is crucial even though it is time consuming and expensive.

”

It gives me immense pleasure to write few words about Chemergence 2018. It has been a long tradition to conduct Chemergence from year 2005. Chemergence is fully organized by the students of chemical Engg dept of TSEC. What started as a small function has now emerged as a national level event. With changing times, number of new activities such as Cooling tower design, Hex design, Chemical Quiz, Chemical Engg Debate, Chem. Lect series, Scratch a Design and many more have been evolved since it started. The enthusiasm of organizers and participants have made this program a success. The chemical industry is critical for the economic development of any country, providing products and enabling technical solutions in virtually all sectors of the economy. May be it commodity chemicals or speciality chemicals, have great importance in the modern world as almost everything used in human life for the human survival is made up of chemical products. However, in order to develop new enhanced products which will uplift the quality of life as well as fulfill changing consumer demands, continuous research and development is crucial even though it is time consuming and expensive. Chemical Industries and Chemical Engineers should focus on bulk production by utilizing the minimum raw material, energy and latest technology which will make less environmental loss, give priority to safety measure with reduction in capital expenditure. The first step in this process of R&D is to carry research work in laboratories of Institutes, Universities and Industries and then convert the successful research into realistic industrial processes and production. Further, it is a Herculean task for the chemical engineers to mimic the large scale process and achieve the desired output under controlled conditions with a higher yield at a suitable rate. The idea behind organizing Chemergence is to encourage innovative ideas of budding chemical engineers and provide the platform to put forth their ideas and ignite their enthusiasm to undertake further research work in future which will help in evolving new globally accepted chemical products and technologies solely for the welfare of the society. I wish all the best to organizing committee of Chemergence, 2018 to fulfill this purpose and achieve a grand success.

Prasad J. Parulekar
Assistant Professor (Sr.) &
I/c Chemergence'18



FROM THE CHAIRPERSON

My journey in TSEC began with volunteering in different and various types of Technical, Cultural and Literary events, right from my first year. Later on, after looking at my seniors working and succeeding in their own fields, brought me close to all the extra-curricular activities that took place in TSEC. Starting from a junior committee member of the TSEC Students' Council, to becoming the Chairperson of IChE-TSEC, is a journey worthy to remember and learn from. After faring well in the cultural committee of TSEC, my eagerness to do something for my branch got myself close to the Team of ChEMERGENCE last year! Being very new to any technical event, I came across various new opportunities that gave me lessons to my life. While being the 'Marketing Head' for the committee, I made my responsible contribution towards ChEMERGENCE'18. I would like to thank Mr. Rajeev Goel and Ms. Joan Dsouza from Hindustan Petroleum Corporation Ltd. for always having my back and helping me out with Internships, Projects and Associations, HPCL has been a very crucial part of ChEMERGENCE right from the year 2017. After preparing myself with the required knowledge of team building, technical events and leadership, I got the opportunity to lead the team of IChE-TSEC. This year, ChEMERGENCE'18 begins with the motive of "Igniting Innovations", giving rise to new initiatives, one of which being 'ChemDebate' that is brought to bring the speaking, presentation, listening and technical skills of our future aspiring chemical engineers. Lots of new praise worthy changes have been made this year with the kind help of our newly appointed Head of Department, Dr. Anita Kumari and our humble Teacher Co-ordinator Prof. Prasad Parulekar. Having to get the opportunity of being the Chairperson this year was a complete dream come true, this has chance has enhanced my leadership skills along with my decision making abilities under good pressure. ChEMERGENCE'18 is the result and hardwork of the entire team who were completely new to this experience. They have shown immense interest in learning the functioning of IChE-TSEC and ChEMERGENCE'18 in all which has helped us to bring up a successful event. I would like to thank Mr. Rudra Shirodkar, the Vice Chairperson and Mr. Nitesh Ratnani, the Secretary, for being a crucial part and taking collective decisions. I would also like to appreciate the efforts of my Third Year friends who have been very kind and helpful. The Chief Technical Officers Mr. Abhishek Shukla and Mr. Parth Sheth, have worked on the events commendably well. I am glad to have a laudable team including the Marketing Head, the PRO, the Ambassador Relation, the Associate CTOs and the team of Editors. I would like to thank the Teaching Staff and the Non-Teaching Staff for the help and co-operation at various stages. As one of my seniors very well mentioned that, it is not the destination that matters, but the journey that you travel. Coming close to the end of my Engineering education, this ChEMERGENCE would be my last event and is very close to my heart. This journey of my life will always be cherished.

**Mr. Abhishek Pandey,
Chairperson, IChE-TSEC**

FROM THE VICE-CHAIRPERSON



I think a lot of ongoing research and developments in the field of chemical engineering deserves to be recognised and championed for its worth and value to society, and used in multidisciplinary attempts to make the world a better place. Unfortunately, a lot of these are unable to reach out to the academically inclined personnel, simply due to a lack of platform. ChEMERGENCE provides such a platform, for undergraduate as well as postgraduate students from various fields of Chemical Engineering, to showcase their ideas, present their research, and speak their opinion. Hosting the pioneer edition of 'Chem Debate', ChEMERGENCE '18 strives to explore and exercise the soft skills of chemical engineers. Incultation of the culture of public speaking is what the event is aimed at. As the saying goes, "It is not the destination that matters, but the journey", and this journey from the formation of the committee to organising of the biggest and sought for symposium, ChEMERGENCE '18 is all set to live up to its expectations.

-Rudra Shirodkar
Vice-Chairperson
IICChE-TSEC



FROM THE SECRETARY

"Strike all your hardships with exceptional Inspiration,
Walk your way through the journey, Igniting Innovations."

With the motto of 'Igniting Innovations', ChEMERGENCE'18 this year focuses towards pivoting new ideas bestowed for the Chemical Industry. Industrial pioneers, Mr. Samir Shah from Ciron Drugs and Pharmaceuticals, and Mr. Kevin Shah from Munters India, have been really humble and obliging towards the team, and I on a personal level have a lot of things left to learn from such influential personalities.

IICChE-TSEC this year has aimed at providing 'Profile Building' opportunities to the students that would be beneficial for their further ventures.

From contributing as a 'Volunteer', to working as the 'Secretary' for IICChE-TSEC has been quite a journey that I would cherish and learn from. I wish the students achieve all heights of success in their future endeavours.

Thank You

-Nitesh Ratnani
Secretary
IICChE-TSEC

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1 *IICHE*

2 *Department of
Chemical
Engineering,
TSEC*

3 *IICHE - TSEC*

5 *ChEMERGENCE*

7 *Exploring Opportunities*

9 *Beyond the
fine lines*

18 *Leader of
all Seasons*

21 *Making it
Big*

24 *Associations*

IChE

Indian Institute Of Chemical Engineers is a confluence of streams of professionals from academia, research institute and industry. It provides them the appropriate forum for joint endeavors, hand-in-hand, to work for human being through application of chemical engineering and allied sciences. If you are interested about, attached to or involved in chemical engineering related activities – whether as a student as a seasoned professional - you shall find the program of IChE immensely beneficial, opening up doors of new possibilities and existing possibilities. Over the years the Institute has developed a distinct profile of its own. Even as the IChE is always moulding itself and playing a proactive role to keep up with the ever changing needs of the society and the economy, the basic objectives remain largely unchanged since its inception. One may shortlist them as:

- To promote advancement of Chemical Engineering Science and draw up a code of ethics in the profession.
- To maintain and widen contacts with chemical engineering professionals in India and abroad ensure regular exchange of ideas with other national and international professional institutes in this field.
- To act as an authoritative body on matters pertaining to the teaching and the profession of chemical engineering.
- To conduct examinations and assist persons engaged in the industry to qualify as chemical engineer.
- To confer awards, diplomas and certificates to such persons as may be deemed fit.
- To undertake publication work, i.e., journal, monographs, proceedings of seminars/symposia/ workshops
- To conduct meetings and transact business on administrative, academic and technical matters relating to the profession.

Executive Council - IChE - Mumbai Regional Centre (2017-2018-2019)

Sr No.	Name	Role in IChE-MRC
1.	Mr. R.G. Rajan	Chairman
2	Dr. Aparna Tamaskar	Vice Chairman
3	Mr. V.Y. Sane	Hon. Secretary
4	Mr. Rajesh Jain	Hon. Jt. Secretary
5	Mr. Ravindra Joshi	Hon. Treasurer
6	Mr. M P Jain	Immediate Past Chairman
7	Mr. K Sahasranaman	Member
8	Mr. Pravin Saxena	Member
9	Dr. Anita Kumari	Member
10	Mr. S. Chitnavis	Member
11	Dr. T.L. Prasad	Member
12	Mr. Dhaval Saxena	Member
13	Dr. R. Pathak	Member
14	Dr. Rohidas Bhoi	Member
15	Dr. Parag Gogate	Member
16	Mr. Joy Shah	Member
17	Mr. Pratik G Bhagat	Ex-Officio Member

Department of Chemical Engineering, TSEC

Department of Chemical Engineering, TSEC was established in 1983. It has a long and distinguished history of successfully educating leaders for a wide variety of industries. Ever since its inception in 1983, the Institute has established itself as a premier institution engaged in imparting quality technological education.

The chemical engineering department strives to impart high quality technical education with a delicately struck balance of fundamental knowledge, practical exposure and novel concepts. We believe in providing our students with education that combines conceptual learning and the excitement of discovery with the support and intellectual stimulation of a diverse campus community. The department is committed to achieve excellence and evaluates the success and leadership of its programs using the highest standards of quality and innovation.

Continuous industry-institute interaction is going on by:

- Conducting Guest lectures / Alumni lectures in the department by industrial experts.
- Organizing national level conference on various recent developments.
- Industrial visits by staff and students of the department.
- Promoting Industrial training (internship) programs for the students of the department.

The topics are usually in subjects like modeling and simulation, unit operations, polymers, pollution control, and design of process industries. Many of the projects have led to Publication. The department have also received AICTE -MODROB grant for two consecutive years 2012-13 and 2013-14 amounting to ₹ 8 lakhs.

The department had produced university toppers with regular consistency. The department emphasizes on all round development of its students; proof of which are the numerous instances where the students have made the college proud by winning laurels in various competitive events. Today our alumni work in many revered organizations like Reliance, Aker Power Gas, Toyo Engineers, Tata Consulting Engineers ,SNC Lavalin to name a few, at responsible positions.

Sr. No.	Name	Designation
Department of Chemical Engineering		
1	Dr. Anita Kumari	Professor and Head of Department
2	Dr. Sadhana J. Purohit	Professor
3	Mrs. Nita Mehta	Associate Professor
4	Mrs. Usha Aravind Nambiar	Associate Professor
5	Mrs. Elizabeth Biju Joseph	Associate Professor
6	Dr. Ramesh S Bhande	Associate Professor
7	Mr. Prasad Parulekar	Assistant Professor (Sr. Scale)
8	Mr. R. R. Joshi	Assistant Professor
9	Mrs. Sangita Borkar	Assistant Professor
10	Dr. Trupti Parag Dharmarao	Assistant Professor
11	Ms Karuna Saswani	Assistant Professor
12	Mr. Lakshay Girdhar	Assistant Professor
Department of Chemistry		
1	Dr. Anupama Sawant	Lecturer (In-Charge) (Sr. Scale)
2	Ms. Anjali Kirkire	Assistant Professor
3	Ms. Vandana Kadam	Assistant Professor

IChE - TSEC

Abhishek Pandey
Chairperson

Rudra Shirodkar
Vice - Chairperson

Nitesh Ratnani
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Parth Sheth, Abhishek Shukla
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Parth Sheth
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Art Director

Hasan Shahid
Associate Editor

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Public Relations Officer

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Komal Kankani
Technical Officer

Prithveeraj Wavre
Technical Officer

IChE-TSEC is one of the biggest student chapter of IChE in one of its biggest regional center, IChE-MRC, namely Mumbai Regional Centre. Among its various features, the notable is that, it is the only student body exclusively for chemical engineers in TSEC. The students' chapter focusses on inculcating the ideology of providing practical industrial exposure in alignment with the theoretical concepts the students learn. We promote excellence, personal growth and exchange of relevant knowledge. The aim of this association is to stimulate collaborative efforts between industry and the students, universities, and professional societies. To meet the emerging trends, IChE-TSEC in collaboration with the Department of Chemical Engineering-TSEC, has resorted to revolutionary approach to affirm the needs of its students. The ChemLect lecture series, the latest venture by IChE-TSEC, are scheduled throughout the year. Recently, talks have been delivered by renowned personalities from the chemical engineering fraternity that allow students to explore new arena. IChE-TSEC has been pioneer in identifying and acknowledging young talents which is evident by the events organized and their participation in the annual symposium. The annual technical symposium ChEMERGENCE, provides a platform to compete with launching talents. The events provide excellent correlation of theoretical knowledge to their practical applications in chemical engineering and allied sciences. Through ChEMERGENCE we believe in facilitating public understanding of technical issues. ChEMERGENCE catalyzes in applying chemical engineering expertise in meeting societal needs.

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Ambassador Relations Officer



Prithveeraj Wavre
Technical Officer



Hasan Shahid
Associate Editor

Team ChEMERGENCE'18

ChEMERGENCE

ChEMERGENCE, since its inception, is accustomed to course of ever advancing technologies, harboring excellence. With the theme of 'Harnessing Exergy', ChEMERGENCE'17 extracted the exergy veiled in the energetic chemical engineers. It was a profusion of ripened innovations and raw ideas. A festival providing dais to broadcast the knowledge and ideas and foster a spirit of mutual advancement and collaboration among the chemical society. Thus, filling the gap between industry and students. The annual chemical consortium continued to strive towards new opportunities and undefined excellence. This joint endeavor was honored to have Mrs. Leja Hattiangadi, independent non-executive Director of Artson Engineering Ltd. as the Chief Guest. The thought provoking sessions by Mr. Deepak Pinjari, Professor at ICT and Mr. Ashwin rejuvenated the curious minds.



Salt Act

Testing the ability of participants to decode the chem(y)stery of salts, this event requires qualitative analysis of given salts and determination of the ions present in it. The event consist of two rounds. Preliminary round is a written test in which the basic knowledge of chemistry is tested. The final round incorporates the actual salt analysis. The event tests the love for analytical chemistry and their skillful approach for tackle the problems.

The Winners for Salt Act in ChEMERGENCE '18 were:

1st Prize: Venkat Subramanian, and Deepak

2nd Prize: Shweta Shinde, and Sankalp Sharma

ChemQ

A mind boggling array of questions ranging from basic chemistry to intricate details of mass transfer blended with practical and industrial aspects, this event tests the knowledge of teams' unto their last grey cell. The event has three rounds. The preliminary round is written while the other rounds are oral. It can be proudly proclaimed that this event has been attracting the maximum number of participants since the inception of ChEMERGENCE. Winner: Radhika Thanvi, and Pratik Mantri



HeatX

The heat exchanger is widely used industrial equipment. This event aims to design a working heat exchanger model incorporating core chemical engineering thermodynamics. The participants design a semi batch heat transfer equipment of provided size specifications. The model with the lowest final temperature is crowned best.

The event is a one of its kind opportunity to every budding chemical engineer to materialize ideas, implement theoretical knowledge and show case their economical skills.

Winners: 1st Prize- Bhargav Pawar

2nd Prize- Nitesh Ratnani, Deepali Jain, and Parth Sheth

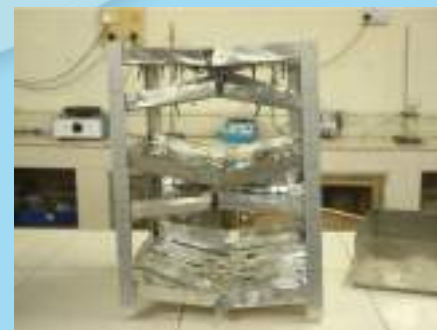
Cool It

One of the most important and indispensable unit in any chemical industry is a cooling tower.

ChEMERGENCE provides an opportunity to its participants to propose and design a unique practically feasible cooling tower model. The most efficient yet economically feasible will be adjudged the undisputed winner.

Winners: 1st Prize-Rohit Gurav, Nitesh Pardeshi, and Atish Limbare

2nd Prize- Suyash Purandare, and Kunal Patil



ChemLECT

ChEMERGENCE, through this event, has strived to help its compatriots to excel in the quest of chemical engineering by providing interactions with finest and eminent personalities from industry and academia. The brief talk regarding various industrial aspects and prospects enlighten the audience and initiate their thought process towards ever expanding scopes of the industry.



Enact to React

This event provides an opportunity where the participants can actually determine the reaction kinetics and depict their potential to revolutionize the concept. The participants have to develop a theoretical model and support it with experimental evidence.

Winner: Divyam Mandalia, and Ronak Chheda

Technical Paper Presentation

ChEMERGENCE gives the platform to present the unperceived through this event. An opportunity to discover, suggest and innovate various industrial applications by diving into the ideas. The event consists of a presentation showcasing the literary, presentation and research skills. The objective is to promote and encourage the new talents and innovations in young engineers.

Winners: 1st Prize- Tejaswani Deshpande, and Bharat Hon-
mane

2nd Prize- Husain Rasiwala, and Abdul Mulla

Poster Presentation

Canvas the inner creative artistic face through this event. We wish to encourage expressing rainbow ideas by their skills different from regular mundane studies. Speaking without words, this event is not only fun to anticipate but a trigger to ideas and innovations.

Winners: 1st Prize- Akshata Barge, Vanlika Bhuta, and Kruti Goyal

2nd Prize- Akhila Nair, Prachee Prabhutene, and Adolkar

3rd Prize- Swapnil Deshmukh, Kiran Dhangar, and Faizan Inamdar



Scratch Design

Before entering the industrial arena, ideas follow the process on sheets. This event tests the theoretical knowledge of process calculations and process flow diagrams of the participants.

Winner: Shivsiddhi Tavde, and Anita Mane

This year ChEMERGENCE'18 is staged with the theme, 'Igniting Innovations'. With an evolving year and ever-evolving technology, Team IChE-TSEC continues with the streak of producing and celebrating jaw-dropping innovations. The quest for knowledge continues with the emergence of a new event- Chem Debate.

ChemDebate

You have a voice, you have the floor! ChEMERGENCE '18 hosts the pioneer edition of the very first of its kind, the ChemDebate. A classic knockout debate, exploring the domain of Chemical Engineering and current chemical and environmental affairs, ChemDebate provides a platform for speakers to speak, establish, and defend their opinions.

Participants in teams, will discuss and debate through various screening rounds, with one team rising above the rest.

ChEMERGENCE has been a trendsetter when it comes to technical symposium. What's ahead, Here's betting that the following year will be infinitely brighter with an unimaginably higher standards of technical aptitude that what we are experiencing today. And ChEMERGENCE, if guided by the spirit of its alumni, professors, and all the distinguished people that make it a mega-event, will be there to celebrate it.

Exploring Opportunities

The Chemical Engineering Department of Thadomal Shahani Engineering College is considered to be the finest in the city and reputed among the ones affiliated by the University of Mumbai. Since its inception in 1983, the department has been adaptable to furnish escalating needs with its quality and the same is reflected in the alumnus nexus that has flourished over the years.

1



Higher Education

Department of Chemical Engineering of TSEC has many of its students accepted in reputed institutes across India and abroad for higher studies. While many pursue higher technical qualifications there is healthy number that has opted for non-technical qualifications as well. It has been the trend of this institution that more than half of the students opt for masters' program in technology or management before they decide to launch their career. It is matter of pride that

almost all these aspirants secure places in the best programs across the globe of their choice. For over few years now, our students are mapping their presence in prominent campuses like IIT-B, IIT-K, NITs, & ICT, which are renowned for their master's programs throughout the world. Also, due to the diversified ambience in this college, students explore various options and have also stepped into more unconventional and trending arena of Management, Journalism, Publishing, State/Union Service Commissions, and Finance.

Placement Cell

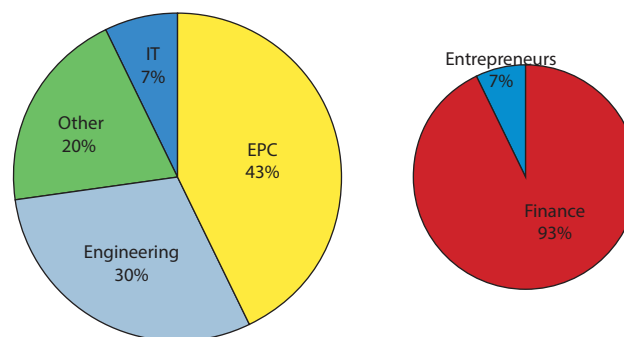
The placement cell of TSEC is monitored by Ms. Mudita Dixit, and Mr. Sunil Gidwani. The college has a full-fledged placement cell that has been working incessantly towards providing employment opportunities to our students. The placement cell mediates this for the department by appointing 'Envoys' from the Chemical Department. As in previous years, a key focus of the Placement Office was to prepare the students for placement and internships. Number of preparatory activities were conducted this year for the graduating students, including refresher lectures on various technical subjects.

Talks with the alumni working in diverse sectors were also organized to orient the students to different job requirements. Preparatory sessions were organized by the Placement Office. Over the years, 'Talent Acquisition Team' of many organizations have collaborated with the placement cell to organize their Campus drives. The placement cell witnesses recruitment drive from a wide spectrum of industries however, most of it is dominated by sectors like Engineering procurement and Construction (EPCs), engineering and manufacturing, computer software, data analytics, management consulting, finance/banking, and FMCG. Most of these firms are world leaders in their respective domains. Today the alumni work in many revered organizations like Reliance, Aker Power Gas, Toyo Engineers, Tata Consulting Engineers , SNC

2



and McDonnell, KPMG, Dorf Ketal, Reliance, UHDE, etc. The successful campus placement session clearly demonstrates the demand of TSEC graduates among the top recruiters in various segments of the economy. A majority of our past recruiters held their faith in the abilities of our students and came to recruit in large numbers. This year, several new organizations visited the Institute for the first time, and the Institute looks forward to fostering long-term relationship with all these organizations in near future.



SECTOR WISE ANALYSIS

The figures indicated are the percentage of the total placed. They bear no co-relation to the absolute quantity of registered candidates

Alumni Outreach

The department had produced university toppers with regular consistency. The department emphasizes on all round development of its students; proof of which are the numerous instances where the students have made the college proud by winning laurels in various technical and non-technical competitive events in the face of tough competition. The Department of Chemical Engineering of TSEC and IICChE-TSEC

in close association with E-Cell-TSEC organized an interactive talk session named- 'Startup Stories'. The main motive of this initiative was to motivate students to 'think-out-of-the-box' and be prepared for the career challenges. In its maiden attempt, E-Cell was successful to invite three prominent alumni namely Mr. Jayesh Tekchandaney (Director-Unique Mixers & Furnaces Pvt. Ltd.), Mr. Samir Shah (), Mr. Sohail Gupta (Director- First Step Corp.), and Mr. Rohit Shetty (Director- Sureflo). Today, alumni work in many revered organizations like Reliance, Aker Power Gas, Toyo Engineers, Tata Consulting Engineers, SNC Lavalin to name a few, at responsible positions. There are many other prominent alumni that have influenced students all the time and the department expresses gratitude for this. Co-curricular and Extra-curricular activities Due to the democracy in choices that TSEC offers, most of students regularly participate in various technical competitions held across the nation. These students have won accolades and prizes and behaved as the contingents for the department's ideologies and excellence. The list below indicates the honorable, not exhaustive list of the few students that have delivered outstanding performance. Students have consistently won prizes in coveted competitions like ChemTECH Student Outreach Program by Jasubhai Media, Vortex by Institute of Chemical Technology, AIChemE by IICChE-DJ, RaScience by Bharti Vidyapeeth.



LESSONS
&
IDEAS

Beyond the fine lines

ChEMERGENCE is not an association. It is a movement. ChEMERGENCE defines the mood of the nation. A nation that is young, thriving, demanding, and constantly delivering. ChEMERGENCE is a threshold where conservatism spurts into a trend. And finally, ChEMERGENCE is a belief of igniting the flame of innovation by the torch of knowledge. The Catalyst met the legacy of TSEC- its professors, and asked them to pen down wisdom found nowhere printed. These are essays by the people that sculpt the future and churn out perceptions; on qualities that makes one a successful chemical engineer.



Agility



by Prof. (Dr.) Anupama Sawant

Agility is the ability to be graceful and quick. It helps to make the best decision possible in the heat of the moment. It is often the difference between success and failure. Agile leaders incorporate the sum of their experiences into today's challenges and integrate that learning to find new solutions. When you are agile, you are in a constantly evolving state. Good agility can translate into better performance and faster response, and can give one an edge over his competitors.

Balance



by Prof. Vandana Kadam

Who is a balanced person? The person who leads a peaceful and fulfilled life is a balanced person. How can we achieve this? Let us imagine life as game in which we are juggling with 5 balls. These 5 balls are work, family, health, friends and spirit. The ball called is made up of rubber and all others are made of glass. If the rubber ball falls down it will bounce back, but the others, they will never be same. Hence we should treat all these i.e family, spirit, health, friends and work with ease and respect they deserve and try to achieve a balance between these. Then only we can become a balanced person.

Civic Virtue



by Prof. Anjali Kirkire

Civic sense is nothing but social ethics or the unspoken norms of society. It is not just about keeping the roads, streets and public property clean but also has to do with abiding with law, respecting others point of view, maintaining decorum in public places. As a citizen of a country that is the largest exporter of engineers, the engineers are also the envoy that represent our nation across the globe. In these volatile times, when there is greater emphasis on switching to cleaner alternatives of fuels, initiatives for sustainable development and environmental friendly process have to be undertaken. These will ensure a greener planet and ensure that the future will be a better place to live in. However, these cannot be achieved overnight. Precautionary measures have to be executed such that efforts do not lose their momentum and take a backseat over time.

Curiosity



by Prof. Trupti Dharmarao

Curious people always ask questions and search for answers in their minds. It makes your mind observant of new ideas. Without curiosity, the ideas may pass right in front of you and yet you miss them because your mind is not prepared to recognize them. Yet it is the ideas and the active reaction to it that defines an engineer. Curiosity opens up new worlds of possibilities. It brings excitement into your life. One can easily culture curiosity by keeping an open mind towards all kind of results. Taking things for granted ends curiosity. Therefore, ask questions relentlessly. Don't label something as boring, there are infinite details that you still don't know about. Diversify your area of interest. This helps connecting things well.

Discipline



by Prof. Sangita Borkar

The world progresses continuously and expects us to keep up. Discipline is the bridge between a goal and achievement. Discipline brings stability and structure into a person's life. It teaches a person to be responsible and respectful. The observance of well-defined rules is the basis of society. If there were no discipline, people would do whatever they wanted and make mistakes without putting the consideration of others first and foremost. There is a rise in demand for sustainable fuels while overcoming the pollution problem where we need professionals having distinct knowledge about it, who also understand their role in the betterment of the society. Chemical Engineers must develop good working relations with people in production because their role is to apply scientific principles into practice in manufacturing industries.

Ethics



by Prof. (Dr.) Ramesh Bhande

Ethics are important because they help us to grow and develop. They help us to create the future we want to experience. They help us to direct the resources in the well-being of everyone. Every individual and every organization is involved in making hundreds of decisions every day and as chemical engineers our decisions have far reaching effects. The decisions we make are a reflection of our values and beliefs, and they are always directed towards a specific purpose. That purpose is the satisfaction of our individual or collective (organizational) needs. Thus, not only for engineers but for everyone ethics are important.

Foresight



by Prof. Karuna Saswani

Foresight can improve decision-making, implementation and the ability to cope with future challenges. Foresight improves the impact of decision-making. Foresight improves the capability of an innovation system. With proper planning one can have blueprint of upcoming ventures in operational stage. Foresight creates an increased awareness of possible risks, and hence a basis for more effective contingency planning, and the design and development of appropriate forms of resilience. In the competitive and fast-changing world of business, Foresight enhances the capacity to design and manage non-routine events. Foresight makes one capable to see how other fields of engineering are inter-related so that one can get basic knowledge based on requirement at the field. Briefly, Foresight improves strategic decisions, the impact of strategic decisions and the ability to react to future challenges..

Innovation



by Prof. Prasad Parulekar

Motivation is the defining factor that turns a good thought into immediate action. It is a muscle that needs to be constantly worked. Motivation to learn reinforces the active learning which is the key to success for the chemical engineering students. Active learning increases the speed of acquiring, integrating, and propagating information and knowledge with fun experimental learning. In today's technology-oriented society, students achieve problem solving, team building and analytical reasoning skills for the real life experience only if they have the inclination to learn through the asynchronous technology.

Ingenuity



by Prof. (Dr.) Anita Kumari

Ingenuity gives wings to progress. My sense is that competitive energy is turbocharged when innovation is fuelled by ingenuity. Ingenuity isn't a means, a practice or a goal. Ingenuity is, however, a post-facto assessment. It's a measurement of the result, or a measurement of the process. But to achieve ingenious results, I believe that you have to be unattached to having the right answer and, instead, being attached to finding the right answer. The best part about science is that- "What is true today might not be true tomorrow". Aspiring engineers, must strive for maximizing their output while minimizing operating cost. The people who have the greatest potential for ingenuity are those who have the greatest capacity for mastery, for fearlessly and adventurously learning new things, and for critical thinking.

Motivation



by Prof. Nita Mehta

Motivation is the defining factor that turns a good thought into immediate action. It is a muscle that needs to be constantly worked. Motivation to learn reinforces the active learning which is the key to success for the chemical engineering students. Active learning increases the speed of acquiring, integrating, and propagating information and knowledge with fun experimental learning. In today's technology-oriented society, students achieve problem solving, team building and analytical reasoning skills for the real life experience only if they have the inclination to learn through the asynchronous technology.

Questioning



by Prof. Lakshay Girdhar

Learning is a flip side of enquiring. The more you enquire, more will be the learning. The learning from one enquiry will take you to the next level of enquiry. Hence, starts the circle of immense knowledge. To enquire means to ask question. Questioning is important (at least in your thoughts, if not in the class). All the concepts, theories, subjects are built upon Questioning. The answer to a particular question could be right or wrong, however, not a single question is unscientific in nature. Understanding and acknowledging what you don't know is very much important. It is a first step towards learning. I advise all the students to take out sometime to reflect on their thoughts and actions. Self-knowledge boost confidence and it helps in discovering and achieving one's life's objectives.

Relevance



by Prof. (Dr.) Sadhana Purohit

Relevance is important because the solution of any problem requires the prior identification of the relevant elements from which a solution can be constructed. Knowledge remains a script till it's relevant. Relevance is one of the most important aspects of teaching and learning. I know that as a student, the content I found most relevant was the easiest to learn, so as a teacher, I believe it is my job to help students see the relevance in content they may not find inherently interesting. I know that if I do this, my students will engaged in class and be motivated to work outside of class. The questions that one ask after reading the lessons as "where will i use them?" Or "why this are even taught?" all get answered when the task to be done is relevant.

Responsibility



by Prof. Elizabeth Joseph

A responsible person is one who can be trusted to act without needing strict supervision, because they are accountable for their own behaviour. Being trusted is a good feeling, this boosts a person's self-esteem and self-worth. A responsible person tackles the difficult tasks without blaming others for any set-backs or problems. Instead, they are responsible for its success or failure, and with the risk comes great rewards if they can pull it off. Responsibility means nothing if you constantly over and under-do it. A responsible person admits the real reasons why they haven't done something. If you borrow something from a friend, take good care of it. If a colleague tells you a secret, keep it to yourself. Responsibility is showered on the diligent. Diligence is enhanced by accountability. Acquiring and practicing knowledge helps in trouble shooting and efficiency of operation. A leader who is also a team player is truly the one who can take charge and run any project. Ability to accept mistakes and willingness to amend the path for the common benefit and achievement of goals is what one looks for in a responsible chemical engineer.



Solutions



by Prof. Usha Nambiar

The link between creativity and engineering is clear. Where new customer demands can be met by new technological solutions, we need engineers who are equipped – both technically and creatively – to generate those solutions. We need engineers who are able to find new possibilities and new markets to exploit these possibilities. There will always remain a place for the application of engineering knowledge to the solution of routine problems. However, as the pace of change accelerates in the 21st century, we will see a growth in new problems that require creative – in other words effective and novel – technological solutions. To meet the challenge of these changes, we need engineers equipped with the blend of technical knowledge and creativity.



Sustainability



by Prof. Ravindra Joshi

Sustainability is the mutual existence of technology and natural systems. The utilization of natural resources by human race has been disproportionate with its ability to regenerate. Historically, civilizations have collapsed due to the destruction of ecology. Chemical engineers deal with the transformation of natural resources to useful products while balancing the fine line between competing for needs to move forward technologically and economically but also protecting the ecology. This fine act can be accomplished by using principles of green chemistry, process intensification, waste treatment, and pollution control. The new generation chemical engineers need to find a way to synthesize new chemicals that are environment-friendly, produce less harmful emissions and switch to renewable fuel sources thus, fulfilling the obligation to protect the health and the ecosystem.

LEADER OF ALL SEASONS

Kevin M. Shah

President at MUTERS India



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hile we are just used to three seasons in India, life has more to it. Rainy days or scorching heat; there is always one thing that remains constants for leaders- they rise and shine.

Mr. Kevin M. Shah is the Managing Director of KEVIN Enterprises Pvt Ltd & President of Munters. He is the director of PPMI since over 9 years and also been the recipient of the & Chairman's Award for outstanding contribution at PPMI. He has been a member of Confederation of Indian Industry where he served for The National Sub-Committee for Capital Goods. His interaction with academia has been noteworthy. He has addressed students at SP Jain Institute of Management Research, at Thadomal Shahani Engineering College & at the Bhagubhai Mafatlal Polytechnic to name a few. Mentoring young recruits & interacting with students is his passion.

How do you describe your transition from a student to being a top executive at your organization?

I joined my company as the youngest among the workforce, with only an engineering degree. I lost my father during my engineering days in the USA. My mother held the fort until I could complete my education and upon returning, I had no choice but to head the company in spite of having neither any work experience nor any exposure to the local rigid system pertaining to that era. All means of trade had to be learnt on my own, while investing extra efforts making sure that people took me seriously.

“ *I realized that everybody likes to guide a young person, so long as that person shows interest.* ”

Did you ever feel the need for a mentor? Why?

I overcame my deep sense of inferiority complex by spending long hours reading, meeting people or discussing at length on business aspects while gaining insights. I realized that everybody likes to guide a young person, so long as that person shows interest. I consider myself lucky to have good advisors.

You are talking about a time, like two decades ago. What is one lesson that you learnt back then, that you would have not experienced otherwise?

In those times, we had a rather rigid workers' union. I would address older but notorious workers very respectfully- as one would address uncles, thereby playing a kid's role strategically. I could feel their sympathy for me, but were also afraid of my innocence concluding that I would soon ruin this business. Soon we came up with a voluntary retirement scheme and many of the bad elements left like rats leaving a sinking ship. The union collapsed and the remaining also settled. We hired a fresh lot and without any doubt, efficiency shot up as we could train them our way. For two decades since that day our staff felt no need of any union and I still maintain a good relation with those wearing blue collar.

How do you define 'victory'?

We once had a technical collaboration with a renowned American company . We were in the market on strength of their brand and technology. In 2002, when they sold out to their competitor and the new buyers were not as amenable, we decided to discontinue with our collaboration.

The world predicted that our days were numbered. But, this was a decade back; before digitalization took over, when it was not as much of email and web registration. Customers were very willing to meet vendors. One could simply walk up to the customers' office and meet the relevant person— things were pretty informal, so with aggressive marketing strategy and impressing upon the industry folks, we gained the confidence of our customers. Hence, far from answering the unasked question: Will you survive (?), we thrived!

In your entrepreneurial journey, did you ever feel the gravity of changing market dynamics ?

The global economy faced a super-boom from 2002 to 2009, unprecedented in the history of mankind & India too, recorded a double digit growth. However, while the economy was shining, it resulted into a 'freakonomic' issue - everywhere manpower was in huge demand and retention of team was becoming more difficult than ever before. We were forced to offer exorbitant salary revisions to all and even more to the talented employees. It was proving to be in vain.

What lessons did you learn from that crisis?

I soon realized that money as a tool for motivation or an incentive for staff to stay back has a short shelf life. I transformed myself into less of a managing director and more of a trainer, with focus on people and culture. The more you train to engage, the less they leave – that was my counter-intuitive discovery. Most of my key staff has been with me for approximately fourteen years. In my journey till the day I sold my business, my wonderful team remained my strongest asset & even today continues to be so!

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.....with aggressive marketing strategy and impressing upon the industry folks, we gained the confidence of our customers. Hence, far from answering the unasked question: Will you survive (?), we thrived!

”

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Real world leadership is about just that – being a people's person & that demands having cutting edge insights into the human mind & behaviour.

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good, bad & mad experiences will begin to unfold automatically, such that theoretical knowledge begins to ripen into wisdom. Real world leadership is about just that – being a people's person & that demands having cutting edge insights into the human mind & behaviour.

One last question, what message would you like to address to the youth today?

Well, it's simple, at every opportunity – Organize, Organize, Organize and Decide, Decide, Decide. Do take lead to organize events at home, college, building society, picnics, festivals or wherever and get involved in every decision making from start to finish. In the process, interactions with people becomes unavoidable. The

Making it big....

There is a popular saying, "A hand that rocks the cradle rules the world" and when we have the success blooming out in the corridors of our college, there is hardly any scope to deny this fact. While the pace at which things evolve has risen manifold, the most sustainable form of learning should be to teach its pupils on how to think rather than what to think. Emphasis should be shifted on discovering new tools and to teach to use them efficiently and skillfully- and TSEC has been a pioneer to execute this theorem. This segment is initiated to introduce all the readers with the rich heritage of TSEC and manifest the department's philosophy of excavating and nurturing the best talent. While TSEC, and the Department of Chemical Engineering celebrates 35 years of technology, we have three distinguished alumni who have chosen to share their success with us.

Samir Shah Batch of 1994

As a student of Department of Chemical Engineering- TSEC from 1990 to 1994, Mr. Samir Shah describes it as a great experience. He was always fascinated with technology and so upon graduating in 1994, he decided to pursue Masters in Industrial and Systems Engineering from Auburn University, Alabama. His experience includes working as a Simulation Engineer on training programs for helicopters in Dalesville, Alabama. In 1997, Shah decided to relocate back to India and expressed his views to scale up his family business of pharmaceutical formulations- the pharma giant we know today as Ciron Drugs and Pharmaceuticals Pvt. Ltd. Samir is a true patriot and asserts that- "I have not regretted my decision to come back and work in motherland and work for own self. " He mentions that he has mastered various aspects of running business from Production, Quality Control, Quality Assurance, Good Manufacturing Practices, HR, Accounts, etc. which would have never happen had he decided to stay back in USA.

While scaling and chasing success, Mr. Shah prescribes a few guidelines-

1. Believe in yourself.
2. Follow your Passion and listen your inner self. Have a purpose in life and live your life for the same.
3. Run after Learning and not money.
4. Various life based experiences are more important than bookish knowledge.
5. Find a Mentor who will guide you in life.
6. Share your knowledge with others and it will multiply.

Mr. Samir Shah shares that his vision is to provide value based education to future generations so that world will be a better place to live. He further states that- "My purpose in life is that in Ciron, we have started education program where we intend to provide value and experience based learning to our Ciron family to improve their quality of life. You all have whole life ahead of you. You have choice to select a right path. After 20 years you will be at stage where I am today in my life. You will have enough opportunities in your life. Make the best of them. Please remember that you are future of our country and world. Your choice today will dictate our future."



Jayesh Tekchandaney

Batch of 1998

Jayesh R. Tekchandaney graduated with a Bachelor's degree in Chemical Engineering, from Thadomal Shahani Engineering College, University of Mumbai, India in 1998, followed by Master of Science degree in Industrial Engineering from the Pennsylvania State University, USA in 2002, where he specialized in manufacturing and completed his research and thesis on Web Based Product Customization using the Internet.

He started his career in the Technical Services Cell, at Gharda Chemicals Ltd, from 1998-2000. He joined the family owned business of Design, Manufacture and Supply of Industrial Mixing equipment, at Unique Mixers, in 2003. In 2014, he augmented the Process Equipment manufacturing capabilities of Unique Mixers, by complete restructuring of the fabrication business

company, Unimix Equipments. He is currently the CEO, at Unimix Equipments and Technical Director at Unique Mixers & Furnaces Pvt. Ltd., India. Unique Mixers and Unimix Equipments are engaged in the design, manufacture and supply of industrial mixers for liquid, solid and viscous mixing applications.

Jayesh is a Chartered Engineer, He is the author of the chapter titled "Mixers" in a John Wiley publication titled "Process Plant Equipment Operation, Reliability and Control" and a contributor to the "Dictionary of Industrial Terms". He is an expert adviser in the field of Industrial Mixing, and has to his credit articles on mixing technology published on his technical blog www.mixing-expert.com and several publications. He has a personal blog, www.life-is-beautiful.in and a YouTube channel.

Jayesh Tekchandaney is a business owner by occupation, an engineer by profession, an author, speaker and coach at heart.



Rohit Shetty

Batch of 2013

Mr. Rohit Shetty graduated in Chemical Engineering from Thadomal Shahani Engineering College in the year 2013. Apart from this, he has been certified from Oracle (9i SQL + 9i PL/SQL), Sun (Core Java + Advanced Java + J2EE + J2ME), Cisco (CCNA (R/S) + CCNP (Network Security V4)), Hubspot (3 Certifications), and Google (8 Certification of Adwords).

With the passion of writing since childhood, Mr. Shetty always desired to be an author. Publishing his book was a dream and writing his hobby. In 2011 he extended his hobby into a profession after being duped by a publisher. It was then he realized that there are many prolific writers who are victimized by publishing sharks. And thus First Step Publishing came into existence. In First Step Publishing provides a platform for new and budding writers who have a spark in them. It provides them with a global platform to showcase their writing talents at affordable prices.

First Step Publishing over the years have grown to the extent by publishing over 250 writers from 8 countries and now has a physical distribution setup across 34 countries. This all is achieved by constant and persistent efforts. Word of mouth promotion has helped First Step Publishing a lot to be established in the market wherein it's being ruled by giants like Rupa Publications, Penguin Publication and many more.

First Step Publishing provided writers with end to end book creating and marketing services but it felt the need of marketing for writers in Digital Space as well. This led to the birth of TranzDigi. TranzDigi stands for Transforming your Digital Space which provides digital marketing services to boost one's digital presence by creating a website to start off and with community building activities across any social media platform.

"My advice for budding entrepreneurs would be to be persistent in your work and to follow in what you believe in; Success will definitely come to you. As rightly said, what you seek is seeking you. You just need to be positive and work towards achieving it. It's not a crime to fall in life but a sin to not to rise again."



The Non-Teaching Staff

LAB ASSISTANT



Mr. Shobha Singh



Mr. Dipti Paul



***Mr. Vrushali
Dhabolkar***

LAB ATTENDANT



***Mr. Chandrabhan
Chaubey***



***Mr. Chhediram
Tiwari***



***Mr. Arjun Prasad
Shukla***



***Mr. Ramshankar
Dubey***

Applied Chemistry Department



Mr. Uday Yadav
LAB ATTENDANT



Mr. Pritam Raut
LAB ASSISTANT

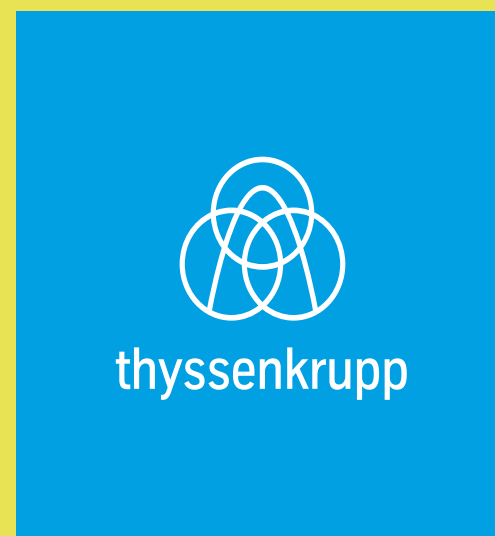
Our Associations



energising lives

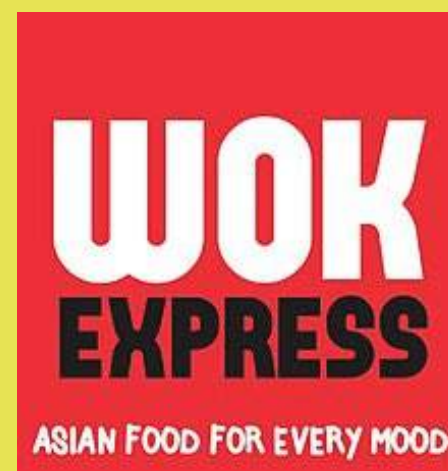


 **CHEMICAL INDUSTRY DIGEST**





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Special Thanks!

Principal (Dr.). G. T. Thampi

Mr. (Dr.) Kranti Kumar

Prof. (Mrs.) Mudita Dixit

Prof. (Mr.) Sunil Gidwani

Mr. Rajeev Goel

Mr. Sandeep Chokani

Mr. Kevin Shah

Mr. Samir Shah

Mr. Pratik Bhagat

IICHe-MRC

The E-Cell Team

Department of Chemical Engineering, TSEC

Department of Applied Chemistry, TSEC

Judges and Participants

The Non-Teaching staff

Lab Assistants

Shobha Singh

Vrushali Dabholkar

Dipti Paul

Lab Attendants

Chediram Tiwari

Chandrabhan Chaubey

Arjunprasad Shukla

Ramashankar Dubey

Ex-Officio (IICHe-TSEC)

Abizer Sodawala

Shraddha Joshi

Volunteers

Disha Dhadd

Nachiket Tatke

Shraddha Ramani

Akshay Jain

Tiithi Panchal

Aditya Kadam

Vishesh Jain

Parth Shah

Eshwar Manjeri

Esha Sharma

Pratik Singh

Prajakta Bomma

Divya Thingore

Kashmira Salgaonkar

Aayush Parab

Sankalp Sharma

Radhika Bhadbade

Sakshi Lingayat

Sriram Suresh

Deepa Bhairwani

Arthata Harvande

Tanushi Mehta

Raveena Nichani

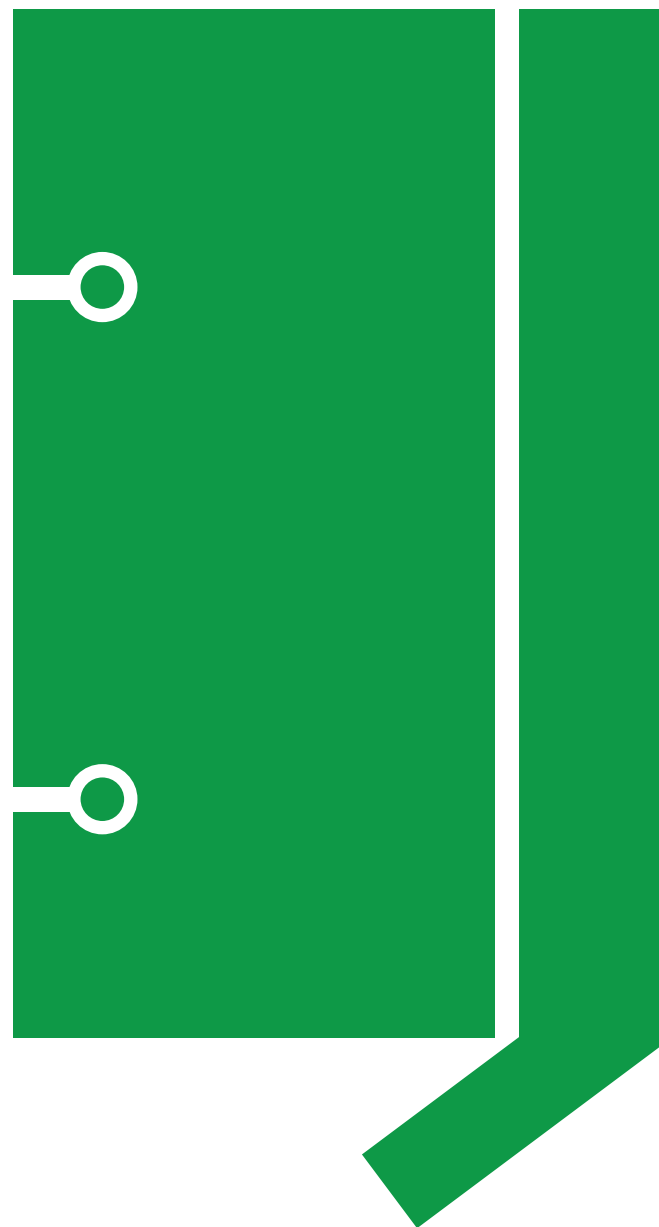


FROM

**“HAVING CHEMICAL
ENGINEERING AS A
CHOICE.”**

TO

**“CHEMICAL
ENGINEERING WAS
THE BEST CHOICE I
EVER MADE.”**



Changing Perceptions

ChEMERGENCE'18
Igniting Innovations



CSI report 2018-19

CSI - TSEC TECHNEXT REPORT 2018 – 2019

The Computer Society of India student's branch at Thadomal Shahani Engineering College (CSI - TSEC) had organized their first technical event, called TECHNEXT, which was held on 7th & 8th September 2018. Technext is one of the biggest technical fest for the budding engineers of all the colleges in the town. This event aimed at levelling up the foundation for the first-year engineering students. It gave an opportunity to them to explore the future technologies. The tagline for the event was "Create. Seek. Innovate. at CSI-TSEC".

CSI-TSEC had organised enticing workshops and some interesting seminars conducted by experienced professionals from the industry who were the master of their domain.

The events lined up were as follows:

DATE	EVENTS
07/09/2018	Python Workshop(Front End)
07/09/2018	Robotics Level-1 Workshop
07/09/2018	Power Bank Making Workshop
08/09/2018	Python Workshop (Back End)
08/09/2018	Robotics Level-1 Workshop
08/09/2018	Power Bank Making Workshop
08/09/2018	Talk Show on Entrepreneurship and Start-Up Culture in India
08/09/2018	Artificial Intelligence and Machine Learning Seminar
07/09/2018 To 08/09/18	Foosball and FIFA

DAY 1 - 07/09/18:

- **Workshop on App Development using Python**
This was conducted by trained members of the committee who briefed the students about all the basic information of Python. They were taught to make both front end for a shopping site using tkinter.
- **Power bank Making Workshop**
This workshop aimed at making a working and a handy power bank.
- **Robotics Level 1 Workshop**
A group event where the young aspirants were provided with all the components required for making a working bot.

DAY 2 – 08/09/2018:

- **Talk Show on Entrepreneurship and Start-Up Culture in India**
Nabomita Mazumdar, the winner of 100 Women Achievers Award by the Ministry of Women and Child Development, India along with *Mr. Himanshu Sikaria*, and *Mr. Divyansh Saini* from SocialCops, shared the spirit and scope of entrepreneurship to create a better future with Start-Up Culture in India.
- **Seminar on Artificial Intelligence and Machine Learning**
The Seminar introduced the audience about the future of AI, the power it holds to transform life and promises a new era of disruption and productivity between technology and humans.
- **Robotics Level 1 Workshop**

Same as Day 1 for another slot of students.

- **Workshop on App Development using Python**

The workshop was a continuation of Day 1 and introduced the backend of the website using SQLite.

The Fun Events like Foosball and FIFA were All Day Long.

The participants were given Certificates from CSI-TSEC for attending the Workshops and Seminars and attendance was provided to the students who were a part of the fest. With great enthusiasm, CSI-TSEC encouraged the present generation about the significance of technology and CSI-TSEC was successful to stay true to our motto “Get Set Create.”

TSEC Hacks 2019 Report

TSEC Hacks 2019: Event Summary

Convener: Dr. G. T. Thampi (Principal)

Co-convener: Prof. Tasneem Mirza

Co-ordinator (Computers): Prof. Dr. Pallavi Halarnkar

Co-ordinator (IT): Prof. Kumkum Saxena

TSEC Hacks was held for the first time on 6th - 7th February 2019.

Registration Statistics

Event saw 422 registrations in 122 teams from 22 colleges. Each team was asked to specify their top 3 domain choices in order of preference :

First choice:

E-commerce 42 teams - 34.42%

App Development for non-profits – 48 teams - 39.34%

ML in Healthcare 27 teams – 22.13%

Cybersecurity 4 teams – 3.27%

Gamification 1 team – 0.81%

Second choice:

E-commerce 39 teams - 31.96%

App Development for non-profits – 40 teams - 32.78%

ML in Healthcare 19 teams – 15.57%

Cybersecurity 8 teams – 6.55%

Gamification 16 teams – 13.11%

Third choice:

E-commerce 22 teams - 18%

App Development for non-profits – 20 teams - 16.39%

ML in Healthcare 27 teams – 22.1%

Cybersecurity 23 teams – 18.85%

Gamification 30 teams – 24.59%

50 Teams were shortlisted with 176 participants.

Initial Registration Sheet:

https://docs.google.com/spreadsheets/d/1kWtOU90hJ3T9Q_XUiQ4Qs9AlmxscbiGCfL5eJRk1Woc/edit?usp=sharing

Shortlisted Teams Sheet:

https://docs.google.com/spreadsheets/d/1YKolsQJ75v1DWMLsLQ1Iu0DuSUVdZaD5Hj0mHKHQ_1M/edit?usp=sharing

Problem Statement Domains

1. App Development for NGOs

Design a Mobile or a Web Application that uses the concept of Data Visualization and provides the Logistics Information for the smooth running of a Non-Governmental Organization. The NGO would be the one that directly benefits children by helping them in Education, Healthcare and Livelihood in remote villages and slums across different states of India.

2. Cybersecurity

Security is the main concern for data sharing due to its vulnerabilities and confidentiality. Create a portal for sharing of files and data between many clients (users), keeping in mind security concerns that such an application would have to take into account.

3. Ecommerce

Identity Management | Verification, Personalization and more

The expected solution: needs to have the presented ideas fleshed out as a working prototype. API's, Database design, Co-relation logic needs to be working. The UI focus will not be on the e-commerce platform but to demonstrate multiple interactions with a brand. An e-commerce business should be able to personalize their online site based on the data collected. Possibilities for personalization need to be demonstrated with a minimum of three examples

4. Gamification

The Engineering syllabus consists upto 6 new subjects every semester. The concept is "Serious learning, not so boring." The intent of this problem statement is to develop a smart and engaging solution to gamify learning experiences. Choice of engineering subject is left to you.

5. ML in Healthcare

Cancer is the second leading cause of death globally, and is responsible for an estimated 9.6 million deaths in 2018. Globally, about 1 in 6 deaths is due to cancer. Can we use open data available to gain insights to help with the human effort against cancer by aiding any of the given objectives?

- Personal point of view: To predicting likelihood of incidence using a person's demographic / medical history
- Insurance company point of view: To assess cancer risk and decide appropriate policy premium
- Medical researchers point of view: To devise a method to infer the effectiveness of two different treatment plans

- Pharmaceutical companies point of view: To decide which research areas are promising in the coming decade

Judges

→ Mr. Kiran Choudhary

He is currently the Assistant Vice President of Reliance Industry in Ghansoli. He has 20+ years of experience in the domain of Information Technology and holds the degree of Instrumentation Engineering from Pune University. He enjoys working in new technologies like AI, IOT and 3D printing and is an expert in Machine Learning. Since last 2 years he is leading the Data Science Center of Excellence in Reliance industries Ltd., Navi Mumbai. His team is actively involved use of AI/ML in real life business problems.

→ Mr. Bharat Tolani

He is currently a Senior Consultant at Capgemini in Mumbai. He has over 6.5 years of experience in Data warehousing project with tools like Erwin, Teradata, Datastage, Oracle, Tableau, VBA. He has been part of Physical Data Modeler as a Technical Lead and is actively learning new technologies like AWS, Python, Jira Roles.

→ Mr. Gaurav Deshpande

He is currently the Regional Sales Leader in the domain of Cyber Security working all over the world at Tata Communications. He holds special interest for areas such as Information Security, IoT, Mobile Computing and Abstract Technologies. He has also worked in many big companies in the past such as EY, IBM, KPMG etc. Has a strong academic background in Business Administration, Information Security, Network Technology and IT Infrastructure Management.

→ Mr. Nihar Shah

He is the Chief Technology Officer at The MediaHolic Co. He is an experienced Chief Technical Officer & Head of Design and has a good history of working in the information technology, marketing and advertising industries. He is skilled in many languages and technologies such as Java, Spring, SQL, PHP, HTML5, CSS, Javascript, Mobile Applications, Web Design and many more. He completed his Bachelor of Engineering (BE) in Information Technology from Thadomal Shahani Engineering College.

He has co-founded the company MediaholiC and is currently its Chief Technical Officer. Previously, he has worked in Accenture in the domain of software development.

→ Mr. Manish Tamhankar

He is currently a Senior Architect in Capgemini. He has over 15 years of experience in software industry and over 6 years of experience as a Software architect. He is interested in Solution Architect opportunities in Emerging Technologies and is a Lead Architect in many domains such as IoT, Natural User Interface Technologies (NUI), Application Portfolio Rationalization etc. He has worked at various big companies like Larson & Turbo, Hexaware, Directi and many more.

Winners

1st place: ZeroDay - DJ Sanghavi College, App Development for NGOs

Aniket Shahane

Dharmik Parikh

Jashan Banga

Aniruddha Das

2nd place: Django and Mango - DJ Sanghavi College, App Development for NGOs

Harshil Jhaveri

Ananya Malik

Shreya Desai

Swapnil Kadakia

3rd place: Novice - Shree LR Tiwari College, ML in Healthcare

Siddharth Singh

Avinash Chourasiya

4th place: Brogrammers - Rajiv Gandhi Institute of Technology, E-commerce

Nitish Talekar

Saad Ghajaria

Aayush Singh

Deepanshu Sonparote

5th place: Bit by Bit - TSEC, Gamification

Hiba Hussain

Mahima Gupta

Surya Halwasia

Maitreyee Koli

Sponsors

- Adapty
Problem Statement Sponsors, Deliverables: Rs. 35,000/-
- HackerEarth
Innovation and Platform Partner, Deliverables: Use of HackerEarth platform, Tshirts for winning teams
- Cloudsploit
Deliverables: Winners receive 4 months of Plus service (worth \$440) while top 10 teams win 4 months of Basic Service
- Wolfram
Deliverables: Winners receive 4 months of Plus service (worth \$440) while top 10 teams win 4 months of Basic Service
- Hasura
Deliverables: The best app built using the Hasura GraphQL Engine will win a Rs.5000 gift coupon from Flipkart.
- La Pinoz Pizza
Deliverables: Rs. 7,000/-
- Safarnama Cafe
Deliverables: Rs. 1,000/-
- Melting Morsels
Deliverables: 10 food boxes for judges
- Hell Energy Drink
Deliverables: 240 cans of Hell Energy Drink

Committee Members

BE:

Anshul Rawat
Kaustubh Khavnekar
Neha Makhija
Twisha Saraiya

TE:

Ankita Kar
Deetipriya Sen
Krish Shah
Kunal Desai
Neelraj Patil

SE:

Akshay Galgali
Amol Sawant

Chinmay Patil
Harsh Kukreja
Ishita Kotian
Jay Shah
Kenil Shah
Malvika Rao
Rishabh Saini
Ritika Talreja
Rohit Methwani

Volunteers:

Akshay Zantye
Aditi Acharya
Dhyey Parikh
Khushboo Galrani
Khushi Bhuwania
Kushagra Shrivastava
Paras Bhavnani
Priyanka Sheth
Samay Nasta
Shivang Raikar
Suyog Ahuja

Participants Feedback:

<https://docs.google.com/spreadsheets/d/1zdRnPbVnqw6KQaei9Jf7Q7JrzB0PzIzj8qD-OzXuMYk/edit?usp=sharing>

HeartMarshalTraining-2018



NSS-TSEC

National Service Scheme Unit (Affiliated to the Mumbai University)

Thadomal Shahani Engineering College

P.G. Kher Marg, TPS III, Bandra (W), Mumbai-400050

Phone No.:022-26495810(E-mail:nsstsec1718@gmail.com)



Date: March 19, 2018

To,

Prof.

Department of

TSEC,

Bandra W, Mumbai -50

Subject: Awarding Attendance to the students who attended Seminar on
Life-saving, “Cardiac Arrest Resuscitation” on March 1, 2018

Respected Sir/Madam,

The NSS unit of TSEC (NSS-TSEC) had organized a Training/Seminar on **Life-saving, “Cardiac Arrest Resuscitation”** with ‘Holy Family Hospital’ (iCare) on March 1, 2018 in National College Auditorium. Due to the present scenario of public health, and necessity of every individual to get a firsthand knowledge on Cardiac Arrests (Heart Malfunctions), also, as an onlooker or bystander, it is imperative to understand the symptoms as well as the First Aid to be given to the Victim. **Hence, Principal, Dr. G.T. Thampi allowed to award the Class attendance to the students who attended this training.**

Due to less available time lag for the students between the lectures as well as for the quick entry and exit of them (300 plus) to & fro the Auditorium, we just noted down **Roll nos.** at the entry after verifying with the “Google Form” sheet they had had registered online. I have personally verified it. Kindly refer the Roll numbers given below.

Date: 1st of March, 2018 SEM: II DIV: FE Time – 10:00 AM to 12:00 PM

Roll Nos

BRANCH

COMPS	B 10	B 44	B 58	C 01	C 09	C 44	C 47	C 63
IT	54	64						

Thanking you.

Yours Sincerely

Programme Officer
(NSS-TSEC)



NSS-TSEC

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Date: 1st of March, 2018 CLASS: SE DIV: Comps Time – 10:00 AM to 12:00 PM

Roll Nos.

6	8	11	20	21	22	23	24	25	26	28	29	30	31	32	33
34	35	37	39	53	56	63	68	69	78	79	82	83	86	88	89
98	99	99	100	101	102	104	108	109	110	111	112	115	116	117	118
120	123	130	132	132	134	141	142	147							

Thanking you.

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Date: 1st of March, 2018 CLASS: TE DIV: Comps Time – 10:00 AM to 12:00 PM

Roll Nos.

4	8	19	22	31	37	50	57	61	66	67	69	70	71	75	81
82	83	84	85	87	88	91	92	93	95	96	97	102	104	106	107
108	109	110	113	115	121	128	129	150							

Thanking you.

Yours Sincerely

Programme Officer
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Date: 1st of March, 2018 CLASS: SE DIV: IT Time – 10:00 AM to 12:00 PM

Roll Nos.

7	9	16	48	52	76	86	91	93	95	97	104	112	114	116	126
128	130	137	139	141											

Thanking you.

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6	8	10	13	15	17	18	19	20	21	22	23	25	26	28	29
30	31	33	34	35	36	37	38	45	46	52	81	85	92	102	103
104	107	110	114	115	122	123	124	125	129	130	132	133	135	136	138
141	144	145	148	149	150	151	152	153	188						

Thanking you.

Yours Sincerely

Programme Officer
(NSS-TSEC)



NSS-TSEC

National Service Scheme Unit (Affiliated to the Mumbai University)

Thadomal Shahani Engineering College

P.G. Kher Marg, TPS III, Bandra (W), Mumbai-400050

Phone No.:022-26495810(E-mail:nsstsec1718@gmail.com)



Date: March 19, 2018

To,
Prof.

Department of
TSEC,

Bandra W, Mumbai -50

Engineering

Subject: Awarding Attendance to the students who attended Seminar on Life-saving, “Cardiac Arrest Resuscitation” on March 1, 2018

Respected Sir/Madam,

The NSS unit of TSEC (NSS-TSEC) had organized a Training/Seminar on **Life-saving, “Cardiac Arrest Resuscitation”** with ‘Holy Family Hospital’ (iCare) on March 1, 2018 in National College Auditorium. Giving to the present scenario of public health, and necessity of every individual to get a firsthand knowledge on Cardiac Arrests (Heart Malfunctions), also, as an onlooker or bystander, it is imperative to understand the symptoms as well as the First Aid to be given to the Victim. **Hence, Principal, Dr. G.T. Thampi allowed to award the Class attendance to the students who attended this training.**

Due to less available time lag for the students between the lectures as well as for the quick entry and exit of them (300 plus) to & fro the Auditorium, we just noted down **Roll nos.** at the entry after verifying with the “Google Form” sheet they had had registered online. I have personally verified it. Kindly refer the Roll numbers given below.

Date: 1st of March, 2018 CLASS: SE DIV: EXTC Time – 10:00 AM to 12:00 PM
Roll Nos.

13	15	40	45	46	48	50	52	69
----	----	----	----	----	----	----	----	----

Thanking you.

Yours Sincerely

Programme Officer
(NSS-TSEC)



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National Service Scheme Unit (Affiliated to the Mumbai University)

Thadomal Shahani Engineering College

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Date: 1st of March, 2018 CLASS: TE DIV: EXTC Time – 10:00 AM to 12:00 PM

Roll Nos.

1	4	5	20	23	43	46	58	74	75
---	---	---	----	----	----	----	----	----	----

Thanking you.

Yours Sincerely

Programme Officer
(NSS-TSEC)



NSS-TSEC

National Service Scheme Unit (Affiliated to the Mumbai University)

Thadomal Shahani Engineering College

P.G. Kher Marg, TPS III, Bandra (W), Mumbai-400050

Phone No.:022-26495810(E-mail:nsstsec1718@gmail.com



Date: March 19, 2018

To,
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Department of
TSEC,

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Engineering

Subject: Awarding Attendance to the students who attended Seminar on
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Date: 1st of March, 2018 CLASS: SE DIV: CHEM Time – 10:00 AM to 12:00 PM
Roll Nos.

2	3	4	6	13	16	18	25	30	39	44	51	56	57	59
---	---	---	---	----	----	----	----	----	----	----	----	----	----	----

Thanking you.

Yours Sincerely

Programme Officer
(NSS-TSEC)



NSS-TSEC

National Service Scheme Unit (Affiliated to the Mumbai University)

Thadomal Shahani Engineering College

P.G. Kher Marg, TPS III, Bandra (W), Mumbai-400050

Phone No.:022-26495810(E-mail:nsstsec1718@gmail.com)



Date: March 19, 2018

To,
Prof.

Department of
TSEC,

Bandra W, Mumbai -50

Engineering

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Date: 1st of March, 2018 CLASS: TE DIV: CHEM Time – 10:00 AM to 12:00 PM
Roll Nos.

14	21	36	46	48	55
----	----	----	----	----	----

Thanking you.

Yours Sincerely

Programme Officer
(NSS-TSEC)



NSS-TSEC

National Service Scheme Unit (Affiliated to the Mumbai University)

Thadomal Shahani Engineering College

P.G. Kher Marg, TPS III, Bandra (W), Mumbai-400050

Phone No.:022-26495810(E-mail:nsstsec1718@gmail.com)



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To,
Prof.

Department of
TSEC,

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Engineering

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Date: 1st of March, 2018 CLASS: SE DIV: BIOMED Time – 10:00 AM to 12:00 PM Roll Nos.

1	2	3	4	5	6	7	8	10	11	12	14
15	18	19	20	21	22	25					

Thanking you.

Yours Sincerely

Programme Officer
(NSS-TSEC)



NSS-TSEC

National Service Scheme Unit (Affiliated to the Mumbai University)

Thadomal Shahani Engineering College

P.G. Kher Marg, TPS III, Bandra (W), Mumbai-400050

Phone No.:022-26495810(E-mail:nsstsec1718@gmail.com



Date: March 19, 2018

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Department of
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Engineering

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Date: 1st of March, 2018 CLASS: TE DIV: BIOMED Time – 10:00 AM to 12:00 PM

Roll Nos.:- 3 & 36 Only.

Thanking you.

Yours Sincerely

Programme Officer
(NSS-TSEC)

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Rishi Wadhwa	rishiricky123@live.in	9920099383	T.E.	Biomedical/Bioi	36	Yes	y	y	
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Chinmay Umrikar	chinmay.umrikar3@gmail.com	9833384859 S.E.	Computer	115	Yes	y	y
Abhishek Upadhyay	Abhi031098@gmail.com	8108327707 S.E.	Computer	116	No	y	n
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Sweety Rohra	rohrasweety.g.12@gmail.com	8554912664 S.E.	Computer	145	No	n	y	
Yash Lala	yash2363@gmail.com	9892941390 S.E.	Computer	147	No	y	y	130
Pravin Chawla	Pravinchawla.irh@gmail.com	9209918919 S.E.	Computer	148	No	y	y	
Pankaj Ajwani	pankaj.ajwani0409@gmail.com	8805623480 T.E.	Computer	2	Yes	n	n	
Archana Rajagopal	blufylia@gmail.com	9619676847 T.E.	Computer	4	Yes	y	n	
Aditya Bajaj	bajajaditya079@gmail.com	9167137667 T.E.	Computer	8	Yes	y	y	
Deepti Chotrani	deepti.chotrani0103@gmail.com	9773815582 T.E.	Computer	19	Yes	y	y	
Niraj chowdhary	Chowdharyniraj97@gmail.com	9619754931 T.E.	Computer	22	No	y	y	
Manisha	manishadodeja9@gmail.com	7276517333 T.E.	Computer	27	Yes	n	n	
Ritesh Dubey	dubeyritesh96@gmail.com	8999157410 T.E.	Computer	29	Yes	n	n	
Yashraj Gangal	rulingwinner@gmail.com	9870950202 T.E.	Computer	31	Yes	y	y	
Jas Haria	jasharia1998@gmail.com	9820954889 T.E.	Computer	37	Yes	y	n	10
Anushka Kanal	kanalanushka@gmail.com	9773133023 T.E.	Computer	50	Yes	y	y	
Bhavesk Krishnani	bhaveshkrishnani@gmail.com	9922172181 T.E.	Computer	57	No	y	n	
Harsh Kukreja	harshkukreja052@gmail.com	9764853845 T.E.	Computer	59	Yes	n	n	
Simran Kukreja	skukreja25@gmail.com	9821457494 T.E.	Computer	61	Yes	y	y	
Yash Vinay Limbachiya	yashlimbachiya97@gmail.com	7738071969 T.E.	Computer	65	Yes	n	n	
Karishma Makhija	karishma.makhija03@gmail.com	9920995746 T.E.	Computer	66	Yes	y	y	
Neha Makhija	neham22@hotmail.com	8452092842 T.E.	Computer	67	Yes	y	y	
Karan Manghani		8767411990 T.E.	Computer	68	Yes	n	n	
Mohak Manghirmalani	mohmahn@gmail.com	8655772286 T.E.	Computer	69	Yes	y	y	
Siddharth Menon	siddharthmenon310@gmail.com	9167258483 T.E.	Computer	73	Yes	y	y	70
Neeral N M	neelammulchandani@gmail.com	7208835226 T.E.	Computer	75	Yes	y	y	
Gaurav		8879499881 T.E.	Computer	80	No	n	n	
Aakash Nayak	aakashnayak896@gmail.com	9004245464 T.E.	Computer	81	No	y	y	
Pavan Nichani	pavan.nichani.17@gmail.com	9004043329 T.E.	Computer	82	Yes	y	n	
Devarata Oza	devarata.oza@gmail.com	9820191592 T.E.	Computer	83	Yes	y	y	
Aniket Palekar	aniketpalekar0@gmail.com	9167770510 T.E.	Computer	84	Yes	y	y	
Aditya Pamnani	pamnani.aditya@gmail.com	8767782004 T.E.	Computer	85	No	y	n	
Ameya Panditrao	ameyapanditrao29187@gmail.com	9930394447 T.E.	Computer	86	Yes	y	y	
Danesh Parwani	prwanidanesh@gmail.com	9619050852 T.E.	Computer	87	Yes	y	y	71

Narendra Paryani	narendra.paryani@gmail.com	8421381780 T.E.	Computer	88	No	y	y
Rashita paryani	rashitaparyani@gmail.com	9820424115 T.E.	Computer	89	Yes	n	n
Pawan Punjabi	punjabi.pawan5940@gmail.com	9689707019 T.E.	Computer	90	Yes	n	n
Rishi Rajani	rishirajani97@gmail.com	9920191999 T.E.	Computer	91	No	y	y
Vijay Rajput	vj898368@gmail.com	8983681237 T.E.	Computer	92	No	y	n
Nachiket Rane	nachiketrane97@gmail.com	9820000118 T.E.	Computer	93	No	y	y
Adish Rao	adishrao55@gmail.com	8454964585 T.E.	Computer	94	Yes	y	y
Adit Rattanani	adit.mcet@gmail.com	9820033419 T.E.	Computer	95	Yes	y	n
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Monil Shah	shahmoniljay@gmail.com	8169580620 T.E.	Computer	106	Yes	y	y
Sagar Shah	sagar.23723@gmail.com	9892897654 T.E.	Computer	107	Yes	y	y
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Bhavin Shewkani		7666011943 T.E.	Computer	112	No	n	n
Yusuf Soni	soni1897@gmail.com	9819512350 T.E.	Computer	113	Yes	n	n
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Harshad		9766355745 T.E.	Computer	125	No	n	n
Anjali karira	Anjalikarirad@gmail.com	7208150980 T.E.	Computer	128	Yes	y	y
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Miloni Vasa			S.E.	IT	139	Yes	y	n	
Parth	zaveriparth09@gmail.com	9969741015	S.E.	IT	141	No	y	n	
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Awais ansari	awaisdvlm@gmail.com	9833391197	T.E.	IT	7	No	n	n	
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Priyanka Bhumkar	priyankabhumkar@gmail.com	7303173846	T.E.	IT	17	No	y	y	18*
Swati Bovi	boviswati@gmail.com	8692010181	T.E.	IT	19	Yes	y	y	
Namrata Bathija	namrata.bathija@gmail.com	9987496220	T.E.	IT	20	No	y	y	
Rashi Budhrani	rashibudhrani1997@gmail.com	8767667514	T.E.	IT	21	Yes	y	y	
Arshit Chabukwar	arshit97@gmail.com	9594086842	T.E.	IT	22	No	y	y	23
Varkha chhatwani	varkhachhatwani19@gmail.com	9822793382	T.E.	IT	24	No	n	n	
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Ankit Chaurasia	ankit.chaurasiag@gmail.com	7506051898	T.E.	IT	26	Yes	y	y	
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Ronak chouhan	Chouhanronak31@gmail.com	8451080900	T.E.	IT	29	No	y	y	
Anmol	anmol20091997@gmail.com	976987077	T.E.	IT	30	Yes	y	y	
Aditi Deshmukh	aditideshmukh6959@gmail.com	7021311632	T.E.	IT	31	Yes	y	y	
Danesh Dhamejani	danesh2497@gmail.com	9167603195	T.E.	IT	32	Yes	n	n	
Shahid Dhariwala	shahid.dhariwala@gmail.com	9975061158	T.E.	IT	33	No	y	y	
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Mili dubey	milidubey16@gmail.com	8097422442	T.E.	IT	35	No	y	n	
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Aakash Sangoi			T.E.	IT	115	Yes	y	n
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Persis shah	Persisshah.123@gmail.com	9167435038	T.E.	IT	118	Yes	n	n
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Viraj shah			T.E.	IT	122	No	y	n
Ehteshaam			T.E.	IT	123	No	y	n
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Siddiqui Moin Ahmed			T.E.	IT	129	No	y	n
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Shubham Singh			T.E.	IT	132	Yes	y	n
Pratik Singhi			T.E.	IT	133	Yes	y	n
Kartik Singrakhia			T.E.	IT	134	No	n	n
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Avinash Thakur			T.E.	IT	145	Yes	y	n
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Manthan Trivedi			T.E.	IT	149	No	y	n
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Sachit Nalaskar				0	Yes			



CARDIAC ARREST RESUSCITATION SEMINAR

Date:01.03.2018

20 volunteers had come

Under the iCare initiative with Holy
we had a seminar with one goal to
train as many people as we can for
heart emergencies.

More than 300 people attended this
seminar.







NSS-TSEC

National Service Scheme Unit (Affiliated to the Mumbai University)

Thadomal Shahani Engineering College

P.G. Kher Marg, TPS III, Bandra (W), Mumbai-400050

Phone No.:022-26495810(E-mail:nsstsec1718@gmail.com



Date: February 28, 2018

To,

The Programme Officer,
R.D. & S.H. National College,
Bandra W, Mumbai -50

Subject: Invitation for Training/Seminar on **Life saving, “Cardiac Arrest Resuscitation”**

Respected Sir,

The NSS unit of TSEC (NSS-TSEC) is organizing a Training/Seminar on **“Cardiac Arrest Resuscitation”** with ‘Holy Family Hospital’ (iCare). In the present scenario of public health, it is necessary for every individual to get a firsthand knowledge on Cardiac Arrests (Heart Malfunctions). As an onlooker or bystander, it is imperative to understand the symptoms as well as the First Aid to be given to the Victim.

This is a first of its kind of First aid which obsoletes CPR. This Seminar also focuses on the usage of AED (automated external defibrillator) which is a portable electronic device that automatically diagnoses cardiac arrests and treats them.

Date –1st of March, 2018

Time – 10:00 AM to 12:00 PM

Venue - National College Auditorium, Linking Road , Bandra(w).

We request you to attend so as to facilitate this new knowledge as a leader to the society.

Thanking you.

Yours Sincerely

Programme Officer
(NSS-TSEC)



NSS-TSEC

National Service Scheme Unit (Affiliated to the Mumbai University)
Thadomal Shahani Engineering College
P.G. Kher Marg, TPS III, Bandra (W), Mumbai-400050
(E-mail: nsstsec1718@gmail.com)



Training on **Cardiac Arrest Resuscitation**



Training on **“Cardiac Arrest Resuscitation”**

is organized with ‘Holy Family Hospital’ (iCare) initiative in our college.

In present scenario of public health in general, it is necessary for every individual to get a firsthand knowhow on **Cardiac Arrest Situation** (Heart Malfunction).

As an onlooker or bystander, it is imperative to understand **the symptoms** as well as the **First Aid** to be given to the Victim.

All are requested to attend this **Free Training** & get benefited.

When – Thursday, **1st March 2018**

Time – 10:00 AM to 12:00 PM

Venue– National College Auditorium

This is a first of its kind of “First aid” in India arranged by iCARE which obsoletes the need of CPR (Cardiopulmonary Resuscitation) to be given to the Victim.

Chemergence-2019



The Indian Institute of Chemical Engineers – TSEC

ChEMERGENCE'19

Resonating Revolution

20th & 21st September 2019

At: Thadomal Shahani Engineering College
Bandra (West), Mumbai



ChEMERGENCE'19
Resonating Revolution



SCHEDULE

Day 1: 20th September 2019

Sr. No	Event	Time	Venue
1	Inauguration Ceremony	10:00 am	OB Seminar Hall
2	Tea & Breakfast	10:45 am	OB 506
3	Panel Discussion	11:00 am	OB Seminar Hall
4	Lunch	01:00 – 02:30 pm	OB 105
5	Poster Presentation	01:30 – 05:30 pm	OB 605
6	HAZOP Round 1	01:00 – 01:30 pm	OB 507
	HAZOP Round 2	02:30 – 04:00 pm	OB 507
7	HeatX	01:00 – 04:00 pm	OB 107
8	Day 1 Prize Distribution	04:30 – 05:00 pm	OB Seminar Hall

Day 2: 21st September 2019

Sr. No	Event	Time	Venue
1	ChemDebate	10:00 am	OB Seminar Hall
2	CoolIT	11:00 am	OB 109
3	Lunch	01:00 – 02:30 pm	OB 105
4	ChemQuiz Round 1	01:00 – 02:00 pm	OB 505, OB 506
	ChemQuiz Round 2	02:30 – 03:00 pm	OB 605
	ChemQuiz Round 3	03:30 – 04:00 pm	OB 605
	ChemQuiz Round 4	04:15 – 04:45 pm	OB 605
5	Closing Ceremony	04:45 – 05:30 pm	OB Seminar Hall

ChEMERGENCE'19

The Students Chapter of Indian Institute of Chemical Engineers of Thadomal Shahani Engineering College successfully conducted the 14th edition of their annual technical symposium, ChEMERGENCE'19, on 20th and 21st of September.

This year, ChEMERGENCE witnessed an outstanding participation from the students of ten colleges across Mumbai and Pune.

Keeping up with the promise of IChE-TSEC to bridge the gap between the students and the industries, the college invited multiple dignitaries to interact with the students and guide them.

The Inauguration ceremony took place at 10:00am on 20th September with Dr. G. T. Thampi, Principal of Thadomal Shahani Engineering College enlightening the students. The Chief Guest was Mr. B. S. Nagarkoti, Deputy General Manager of Research and Development, Hindustan Petroleum Corporation Limited.

The Guest of Honor was Mr. Praveen Saxena, Director, Blast Carboblocks Pvt. Ltd.

The first day of ChEMERGENCE'19 was filled with excitement as the students awaited in anticipation of the Panel Discussion.

The topic of Panel Discussion was 'Whether the Chemical Engineering Industry needs an image makeover?'

The Panelists were:

1. Mr. V. K. Joshi, Senior General Manager and Head of Business Development, thyssenkrupp Industrial Solutions (India) Pvt. Ltd.
2. Mrs. Aparna Khurana, Managing Director, Azelis India Pvt. Ltd.
3. Mr. Dhawal Saxena, Associate Director, Blast Carboblocks Pvt. Ltd.
4. Mr. Goutam, Chief Scientific Officer F, Heavy Water Board
5. Mrs. Satyashwini, Chief Scientific Officer E, Heavy Water Board

The Discussion was moderated by Mr. Praveen Saxena.



There was a Technical Poster Presentation competition where undergraduate students of chemical engineering presented their research on a 1x1 metre poster. This event was judged by:

1. Dr. Anita Kumari
2. Dr. Elizabeth Joseph
3. Dr. Trupti Dharmarao
4. Prof. Sangeeta Gaikwad



The winners of Poster Presentation were:

- 1st Prize: Ms. Prajakta Gavane (DJSCE)
- 2nd Prize: Mr. Prithveeraj Wavre & Mr. Hasan Shahid (TSEC)
- 3rd Prize: Mr. Shubham Patil, Mr. Ninad Pathare & Mr. Nishant Pokharkar (BVCE)



The Heat Exchanger prototype making competition, HeatX, took place on the first day with total seven teams. The students designed and fabricated their own heat exchangers and were judged on the basis of their efficiency.

HeatX was judged by:

1. Dr. Ramesh Bhande
2. Dr. Sadhana Purohit
3. Mrs. Satyashwini

The winners of HeatX were:

- 1st Prize: Ms. Anjali Reddy, Ms. Pooja Satam & Ms. Aovi Deshpande (SSJCE)
- 2nd Prize: Mr. Khushank Parmar & Mr. Chinmay Joshi (TSEC)
- Consolation Prize for Innovative Design: Mr. Shreyash Badrike, Mr. Umesh Chaurasiya & Mr. Sanket Agre (DMCE)



IICHe TSEC conducted a HAZOP analysis competition for the first time in ChEMERGENCE'19.



The judges were:

1. Prof. Usha Nambiar
2. Prof. Mannat Khanwani

The winners of HAZOP were:

- 1st Prize: Mr. Prithveeraj Wavre & Mr. Vignesh Vishwanathan (TSEC)
- 2nd Prize: Mr. Uday Mhapsekar & Mr. Sanjay Rej
- Consolation Prize: Mr. Jeet Thakur & Mr. Akshay Bhuran (SBMP)

The first day concluded with the prize distribution ceremony for the winners of Day 1 competitions.

There was a Debate competition, ChemDebate, on 21st September. There were 12 teams competing from four different colleges.

The topics were related to environment, laws and chemical industry.

The Debate was judged by:

1. Prof. Rita Sharma, Head of Department of Humanities
2. Dr. Elizabeth Joseph
3. Dr. Claire Komives, University of Pittsburgh
4. Prof. Prasad Parulekar



The winners of ChemDebate were:

- 1st Prize: Mr. Neil D'Costa & Mr. Reevan D'Souza (TSEC)
2nd Prize: Mr. Prithveeraj Wavre & Mr. Vighnesh Vishwanathan (TSEC)

The ChemQuiz competition is a flagship event of ChEMERGENCE and this year it was conducted by Mr. Anansh Prasad, Founder and Managing Director of Skillsphere Education Pvt. Ltd.



The winners of ChemQuiz were:

- 1st Prize: Mr. Uday Mhapsekar & Mr. Sanjay Rej (TSEC)
2nd Prize: Mr. Rudra Yadav & Mr. Anup
Consolation Prize: Mr. Aravind Iyer & Mr. Sankalp Sharma



The Cooling Tower prototype making competition, CoolIT, challenged the students to design and fabricate a cooling tower satisfying the problem statement given to them. There were total nine teams competing.

The event was judged by:

1. Dr. Anita Kumari
2. Prof. R. R. Joshi



The winners of CoolIt were:

1st Prize: Mr. Lokesh Gawali, Ms. Urvashi Das & Mr. Abhishek Bhagat (BVCE)

2nd Prize: Ms. Shrutika Patil, Mr. Shoeb Khan & Ms. Mahek Khan (BVCE)

Consolation Prize: Mr. Gaurav Khandelwal, Ms. Sanyukta Shinde & Ms. Saloni Tatkane (TSEC)



ChEMERGENCE'19 proved to be of great help for the students of chemical engineering. It was a platform for the students to interact with the professionals from different industries.



List of Guests & Judges:

1. **Chief Guest:** Mr. B. S. Nagarkoti, Deputy General Manager of Research & Development, Hindustan Petroleum Corporation Limited
2. **Guest of Honor:** Mr. Praveen Saxena, Director & CEO, Blast Carboblocks Pvt. Ltd.

Sr. No	Event	Name	Position	Institution
1	Panel Discussion	Mr. V. K. Joshi	Senior General Manager & Head of Business Development	Thyssenkrupp Industrial Solutions (India) Pvt. Ltd.
		Mrs. Aparna Khurana	Managing Director	Azelis India Pvt. Ltd.
		Mr. Dhawal Saxena	Associate Director	Blast Carboblocks Pvt. Ltd.
		Mrs. Satyashwini	Chief Scientific Officer E	Heavy Water Board
		Mr. Goutam	Chief Scientific Officer F	Heavy Water Board
2	Poster Presentation	Dr. Anita Kumari	Head of Department of Chemical Engineering	Thadomal Shahani Engineering College
		Dr. Elizabeth Joseph	Associate Professor	Thadomal Shahani Engineering College
		Dr. Trupti Dharmarao	Assistant Professor	Thadomal Shahani Engineering College
		Prof. Sangeeta Gaikwad	Assistant Professor	Thadomal Shahani Engineering College
3	HeatX	Dr. Sadhana Purohit	Professor	Thadomal Shahani Engineering College
		Dr. Ramesh Bhande	Associate Professor	Thadomal Shahani Engineering College
		Mrs. Satyashwini	Chief Scientific Officer E	Heavy Water Board
4	HAZOP	Prof. Usha Nambiar	Associate Professor	Thadomal Shahani Engineering College
		Prof. Mannat Khanwani	Assistant Professor	Thadomal Shahani Engineering College

Sr. No	Event	Name	Position	Institution
5	ChemDebate	Dr. Rita Sharma	Head of Department of Humanities	Thadomal Shahani Engineering College
		Dr. Elizabeth Joseph	Associate Professor	Thadomal Shahani Engineering College
6	ChemQuiz	Mr. Anansh Prasad	Founder & Managing Director	Skillsphere Education Pvt. Ltd.
7	CoolIT	Dr. Anita Kumari	Head of Department of Chemical Engineering	Thadomal Shahani Engineering College
		Prof. Ravindra Joshi	Assistant Professor	Thadomal Shahani Engineering College

List of Participating Educational Institutions:

1. Thadomal Shahani Engineering College, Mumbai
2. Dwarkadas J. Sanghavi College of Engineering, Mumbai
3. Institute of Chemical Technology, Mumbai
4. Shivajirao S. Jondhale College of Engineering, Mumbai
5. D. Y. Patil Institute of Technology, Pune
6. Datta Meghe College of Engineering, Mumbai
7. Mahatma Gandhi Mission's College of Engineering and Technology, Mumbai
8. Bharti Vidyapeeth College of Engineering, Mumbai
9. Smt. Bhagubai Mafatlal Polytechnic, Mumbai
10. Vivekanand Education Society's College of Science, Mumbai

CSI Report 2019-20

CSI - TSEC REPORT 2019 – 2020

The Computer Society of India's student branch at Thadomal Shahani Engineering College (CSI-TSEC) completed another successful tenure during the academic year 2019-2020. Their year commenced with the formation of an exuberant and resolute committee in August 2019.

CSI-TSEC 2019-20 redefined the endeavours of technology with their first fest named 'TECHNEXT'- where technology goes beyond periphery. This fest focused on giving an exposure to the trending technologies and developing the base of technical knowledge for budding engineers by conducting hands-on workshops. The participants were given Certificates from CSI-TSEC for attending the Workshops.

The event lined up were as follows:

DATE	TIME	EVENT
05/10/2019	11AM - 5PM	Arduino Uno and Raspberry Pi Workshop
05/10/2019	11AM - 5PM	WordPress and WooCommerce Workshop

Arduino Uno and Raspberry Pi-

It was a Hands-on workshop wherein students were provided with the kits. They were taught everything from scratch till coding on Arduino UNO and Raspberry Pi kits. This workshop was conducted by Mr. Yogesh Pingle, Assistant Professor, at Vidyavardhini College of Engineering and Technology.

WordPress and WooCommerce Workshop-

This was conducted by trained members of the committee who briefed the students about all the basic information of WordPress and WooCommerce. The participants were taught to make a fully working website which was hosted for 7 days.

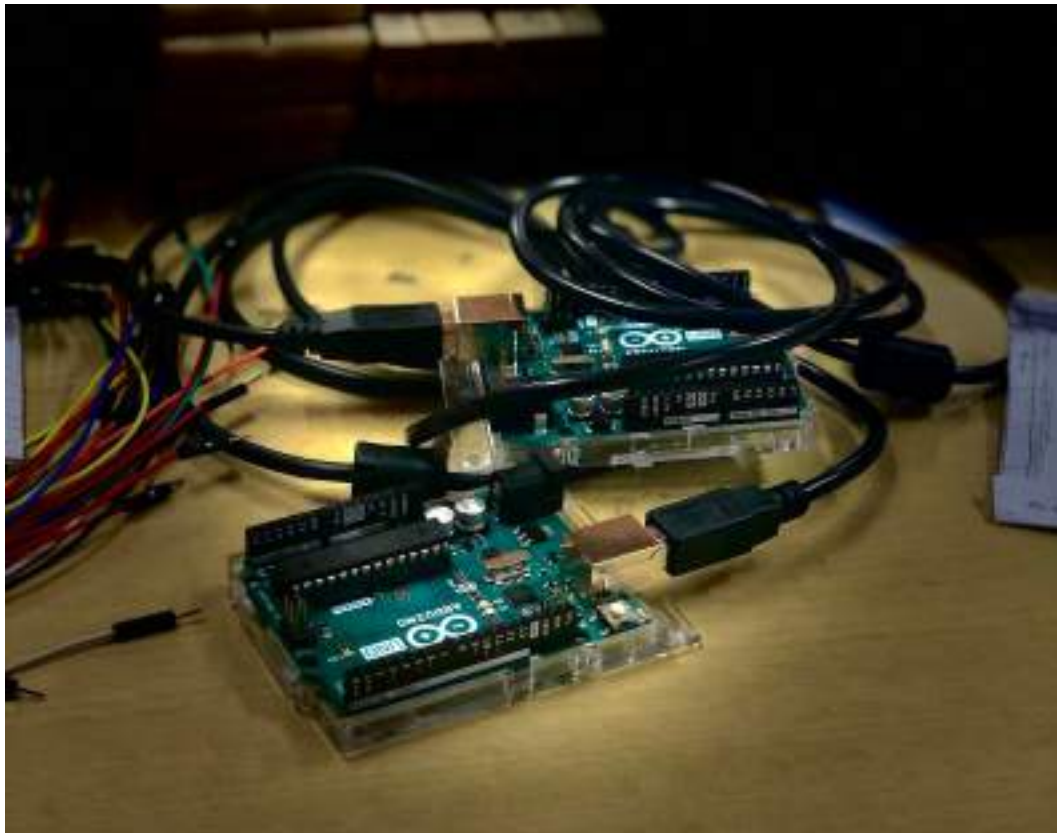
Altogether, the response from them was appealing and motivated us to conduct more such workshops.

With great enthusiasm, CSI-TSEC encouraged the present generation about the significance of technology and CSI-TSEC was successful to stay true to our motto "Get Set Create."









TSEC HACKS 2020

TSEC HACKS 2020

Date held: 05/02/2020 - 06/02/2020

Duration: 24 Hour Hackathon

Registration fee: Rs 210.16/- per team (all inclusive of taxes)

Registration statistics:

	Original	Shortlisted
Number of participants	776	189
Number of teams	211	59

Sponsors:

Organization Name	Task	Sponsorship amount
IIDE	Distributed pamphlets, 2 seminars	Rs 50,000 /-
IMFS	1 seminar	Rs 18,000 /-
IMS	2 seminars	Rs 8,000/-
HELL Energy	Publicity and banner in college	250 cans of energy drink
Dominos	Pizza stall in college	Rs 7,500 /-
Mojo-jojo	Publicity and banner in college	Free coconut water drink
Safarnama	Banner in college	Rs 1500 /-

Prize money (cash):

1st place - Rs 25,000/-

2nd place - Rs 15,000/-

3rd place - Rs 10,000/-

Winners:

- **1st place** - Syntax terror(TSEC)
- **2nd place** - Bits N Bytes (FCRCE)
- **3rd place** - Wanc Coders(AIKTC) and Reactive error(Rizvi)

Judges:

- Dr.V.K. Dhar, Senior Scientist, B.A.R.C
- Mr.Prateek Gupte, VP Product, Haptik
- Mr.Darshan Pania, Lead Android Engineer, CleverTap
- Mr.Bharat Tolani, Senior Consultant, Capgemini
- Dr. Irfan Siddaratam, HOD I.T., K.J. Somaiya
- Mr. Rohan Arora, Co-founder, Bloombench
- Mr.Shravan Agarwal, Co-founder, Rirev

Convener: Dr. G.T. Thampi

Co-conveners: Prof. Tasneem Mirza and Dr. Tanuja Sarode

Co-ordinators: Prof. Darakhshan Khan and Dr. Shilpa Verma

Problem Statements:

Machine Learning:

1) Movie Recommendation System.

The prototype should be able to solve the following problems.

- a. Given a particular user_id, find the genre he is most likely will love watching.
- b. Given a particular user_id, find the users he is most similar to
- c. Given a particular movie_id, find the other movies which are the most similar to it.

Dataset: <https://grouplens.org/datasets/movielens/>
Use 'Recommended for education and development section' full dataset of 265 MB.

2) Topic Detection System

If-else is a popular topic in Computer Programming in the Java language.

1.Problem Statement: Create an application using NLP that detects whether a given statement is from If-Else chapter or not.

2.Dataset: Link for a few books is given below. Extract the data from the pdfs by scraping..

Example :

Input: "If - Else is a conditional statement."

Output: From the If-Else Chapter.

Input: "I will give a party if Sachin scores a century today."

Output: Not from the If-Else Chapter.

https://drive.google.com/drive/u/0/folders/1ScmXLB_pMKylTIOVYzcbdy4yMNM5hoXM

You can use this link to find other books - <https://libgen.is/>

Blockchain:

1) Blockchain based E-Voting system

Currently, voting in India is done using an Electronic Voting Machine (EVM), which has several problems, namely time-consuming nature, needs a human resource for counting votes/managing, can be tampered with, etc.

A Blockchain-based e-voting system can not only make the whole voting procedure, secured and tamperproof but also allows voters to vote from their smart devices, thus reducing the time consumed.

Counting votes would also be easier and will be subject to fewer inaccuracies and more transparency.

2) Blockchain in Healthcare

Healthcare is an industry where the ability to access information or any omission in a patient's record could be the difference between life and death.

Maintaining patients' previous records is an integral part of the Healthcare Industry. The current scenario puts the onus on the patients to retain physical copies of their medical history which pose inherent challenges like portability and accessibility.

A blockchain-based solution is required that allows patients to add their medical records to the blockchain securely.

This information should be encrypted and only accessible by authorized personnel, which is allowed by the patient.

Such a tamper-proof and secured system would easily bypass the drawbacks of the current paradigm, without sacrificing functionality.

Web/Android App

1) Ecommerce

According to [a recent report by Accenture](#), 91% of consumers are more likely to buy from companies who remember them and provide relevant offers. Further, 83% of them are also willing to share their data in exchange for a personalised experience.

Personalisation can change the current scenario in the Ecommerce Industry.

Make a personalised Ecommerce Website of your choice.

Suggestions :

1) The website should be able to track customers purchases and social media accounts and make a profile out of it.

2) Using this profile:

1. Personalised Home Page can be created; for example, a fitness enthusiast can be automatically redirected to the sports section. It could also have a 'pick up where you left off' section for incomplete orders.
2. Recommendations can be made based on the customers browsing history and purchases/inventory.
3. Further geotargeting can be used to make campaigns based on the user's location.
4. Unique campaigns can be made for the customer during special occasions, for example - 10% discount on cakes on birthdays.
5. Exit-intent campaigns can be used to encourage customers to complete transactions.

2) Social Cause

The Apprentice Project

Brief :

The Apprentice Project (TAP) team (alumni from IIM, TFI, and YIF) aims to build life skills in low-income kids by placing selected high-skilled volunteers in under-resourced schools for one year.

Currently, TAP works with 2500 students across 20+ schools with 200 facilitators.

Every Saturday for three hours the volunteers/facilitators mentor and teach in one of the following verticals based on their skills: Drama, Dance, Music, Public Speaking, Ultimate Frisbee, Electronics & Coding and Visual Arts.

Problem Statement:

1) Selection

The primary job of the TAP team is to select 250 facilitators from 2500 applications; for this, they currently use manual and excel based methods for sending emails and keeping information about the volunteer.

Create a volunteer management solution which can help the TAP team select the facilitators from the three-stage process so that all the emails are automated, and the serial numbers are generated automatically, etc.

The solution should make it easier for one person to manage everything, similar to CRM and ERP software.

2) Operation

For TAP's Operations team create a solution which can automate the communication with facilitators & provide a dashboard to the admin for facilitator management.

Currently, they use Google forms & sheets to collect data from facilitators, and admin staff manually do everything, including sending out Whatsapp messages.

Resources :

Refer "Selections" and "Operations" from TAP Processes PDF

https://drive.google.com/file/d/1-GqtA6AeHPtCKHwdNnxk63_P578SP06j/view

PS: This problem statement requires WhatsApp integration. Please attempt to utilize the relevant API queries.

Photos:



The poster for TSEC Hacks Hackathon features a large illustration on the left showing three stylized figures working together: one is climbing a structure, another is pointing at a screen, and a third is holding a tablet. The background of the illustration includes gears and a mountain. On the right side, there are logos for HSNC, TSEC Engineering College, and TSEC CodeCell. The text 'TSEC Codecell Presents' is followed by 'TSEC Hacks' in a large, bold font. Below this, it states 'Hackathon on 5th & 6th February' and 'Registrations open till 27th January'. Contact information for Rishab Saini and Ritika Talreja is provided. At the bottom, the Convener Dr. G. T. Thampi and four Co-ordinators are listed. Social media handles and the website are also included.

HSNC
TSEC
ENGINEERING COLLEGE

TSEC
CodeCell

TSEC Codecell Presents

TSEC Hacks

 Hackathon on 5th & 6th February.

 Registrations open till 27th January.

Contact:

Rishab Saini: 98204 87592 Ritika Talreja: 97699 62696

 **Cash Prizes upto ₹50,000 !**

CONVENER
Dr. G. T. Thampi

CO-ORDINATORS CO-CONVENER CO-CONVENER CO-ORDINATORS
Prof. Shilpa Verma Dr. Tanuja Sarode Prof. Tasneem Mirza Prof. Darakhshan Khan

 tseccodecell  Tsec Codecell  tseccodecell.com







Chemergence 2020

**The Indian Institute of Chemical Engineers – Student Chapter of Thadomal
Shahani Engineering College Annual Report (AY 2020-2021)**

List of Committee activities from 2020-2021:

1. Webinar on ‘Career Opportunities in Process Engineering and Piping industry’.
2. Webinar on ‘Green Technology – An Industrial Perspective’.
3. Webinar on ‘Use of Membranes in Treatment of Wastewater’.
4. Chemical Engineering Quiz Competition – in association with Attempt to Succeed (GATE coaching institute)
5. Webinar on ‘Prospects of Studying Abroad’
6. Chem Triathlon – a Series of Online Competitions.
 - a) ChemQ – a Chemical Engineering Quiz
 - b) What Went Wrong – An event designed for HAZOP analysis
 - c) Minds in Motion – A unique challenge to develop a product to use for the treatment of COVID 19.

List of Guest Speakers and Judges with Event Dates:

Sr.no	Date	Event	Name of Guest Speaker/Judge	Position	Institution
1.	19/06/2020	Webinar on ‘Career Opportunities in Process Engineering and Piping industry’.	Hemant Sadafale	CEO	Asian Academy of Professional Development, Pune.
2.	20/06/2020	Webinar on ‘Green Technology – An Industrial Perspective’.	Dr. Karan D Dewoolkar	Deputy Manager	Gharda Chemicals Ltd.
3.	27/06/2020	Webinar on ‘Use of Membranes in Treatment of Wastewater’.	Mr. G. L. Gonsolves	Associate General Manager	ROCHEM Separations System
4.	8/07/2020	Chemical Engineering Quiz Competition	Mr. Pratik Bhagat	Senior Process Manager	G.S Engineering and Construction Pvt. Ltd.
5.	27/07/2020	Webinar on ‘Prospects of Studying Abroad’	Mr. K.P Singh	Faculty Leader	IMFS India
6.	12/08/2020	Chem Triathlon a) ChemQ	-	-	-

		b) What Went Wrong	-	-	-
		c) Minds In Motion	Dr. Anita Kumari Mr. Pratik Bhagat	Head of Department Senior Process Manager	TSEC G.S Engineering and Construction

Event Description and Details:

1. Webinar on ‘Career Opportunities in Process Engineering and Piping industry’:

The webinar was organized in association with Asian Academy Pune and focused on the various career opportunities in the process engineering industry. Over 100+ students from Mumbai and Pune attended this virtual session.

2. Webinar on ‘Green Technology – An Industrial Perspective’.

This webinar was hosted by Dr. Karan D Dewoolkar and inaugurated by Dr. G.T. Thampi. Sustainability is a global phenomenon and the webinar did encourage students to imbibe principles of Green Technology. The session witnessed a participation of more than 120 students from various colleges in India.

3. Webinar on ‘Use of Membranes in Treatment of Wastewater’.

This webinar was held to proactively encourage students to maximise efficiency of industries while adhering to environmental standards by Mr. G. L. Gonsalves. The session was inaugurated by our principal Dr. G . T. Thampi and more than 100 students joined this informative session from over 10 colleges. The session was concluded by IChE TSEC Teacher coordinator, Dr. R. K. Pathak.

4. Chemical Engineering Quiz Competition – in association with Attempt to Succeed (GATE coaching institute)

IChE-TSEC with the assistance of “Attempt to Succeed” a GATE initiative for Chemical Engineers by Mr. Pratik Bhagat, held an online quiz based upon the fundamentals of Chemical Engineering. 106 students registered for the same. Winner: 1. Rima Sawant (TE, Chemical Engineering, TSEC)

5. Webinar on ‘Prospects of Studying Abroad’

Various seminars for studies abroad, along with specific information on exams to be given were also held in order to keep students up to date in order to keep them alert about the shift in trends and opportunities with respect to the pandemic.

6. Chem Triathlon – A series of Online Competitions

The Chem-Triathlon witnessed exceptional participation from colleges all over India. There were 3 events that were a part of the Triathlon, Chem Q- A quiz based on the fundamentals of Chemistry and core subjects of Chemical Engineering, What Went Wrong-A unique event to identify potential workplace hazard at chemical manufacturing plants using the concepts of industrial safety and HAZOP analysis and the last event, Minds in Motion- A mind boggling challenge to create a cost efficient product for the treatment of Covid-19 incorporating the knowledge of chemical engineering and technology.

We witnessed participation of 28 teams and 77 participants from some of the most prominent institutes of India.

Winners of the event:

1st Place: Ms. Priyanka Ghuge, Mr. Narayanan Madathil & Mr. Shubham Pagdhare.
College: Thadomal Shahani Engineering College, Mumbai.

2nd Place: Mr. Anuj Gupta, Mr. Harshit Rathi & Mr. Rahul Manchala.
College: National Institute of Technology, Trichy.

3rd Place: Mr. Harsh Wadhwani, Mr. Devarsh Shah and Mr. Ankur Upadhyay.
College: Institute of Chemical Technology, Mumbai.

List of Participating Educational Institutions:

1. Thadomal Shahani Engineering College, Mumbai.
2. Dwarkadas J. Sanghavi College of Engineering, Mumbai.
3. Institute of Chemical Technology, Mumbai.
4. D. Y. Patil Institute of Technology, Pune.
5. Datta Meghe College of Engineering, Mumbai.
6. National Institute of Technology, Trichy.
7. Haldia Institute of Technology (WBUT), West Bengal.
8. Laxminarayan Institute of Technology, Nagpur.

Associations for Chem Triathlon:

1. Education Partner: Unschool.in
2. Gifting Partner: Slate Hash
3. Gifting Partner: Craftika

List of students in organizing committee:

Ms. Esha Sharma (Chairperson)
Mr. Anuj Shah (Vice Chairperson)
Ms. Radhika Bhadbhade (Secretary)
Mr. Jason Dsouza
Mr. Eswar Manjeri
Ms. Divya Thingore
Mr. Sriram Suresh
Ms. Arpita Ghosh
Mr. Judewin Noronha
Mr. Ashish Jaiswal
Mr. Salil Modak
Mr. Reevan Dsouza
Ms. Akshita Jain
Mr. Neil Dcosta
Ms. Kashish Dungar
Ms. Radha Sawant
Mr. Givinder Singh
Ms. Megha Gohil
Mr. Aryan Musale
Mr. Piyush Patil



IIChe-TSEC PRESENTS

THADOMAL SHANKAR
TSEC
ENGINEERING COLLEGE

USE OF MEMBRANES IN TREATMENT OF WASTEWATER



- GREEN TECHNOLOGY
- MEMBRANE TECHNOLOGY
- WASTE TREATMENT
- PROCESS APPLICATION

SPEAKER



Mr. G.L. Gonsolves

B.E. Biotechnology, TSEC
M.Tech Green Technology, ICT
Associate General Manager,
ROCHEM Separations System



Saturday, 27th June 2020



11am-12pm

W
E
B
I
N
A
R

Registration Link :

<https://forms.gle/ctqXKDuaJNuzk7qH6>



iichetsec2020@gmail.com



[iiche.tsec](https://www.instagram.com/iiche.tsec)



[CHEMERGENCE](https://www.facebook.com/CHEMERGENCE)



Gharda Chemicals Ltd.

in association with

IIChE-TSEC

Presents



SPEAKER

Dr. Karan D. Dewoolkar

B.E., Mtech, PhD(Tech)
Deputy Manager
Gharda Chemicals Ltd.

NO REGISTRATION FEE!

Registration Link:

<https://forms.gle/bPLimvUFYjuYeQFv8>



lichetsec@gmail.com

CHEMICAL
ENGINEERING
DEPARTMENT

WEBINAR

GREEN TECHNOLOGY

An industrial perspective
Eco-friendly technology
Sustainability
Agrochemicals

Saturday, 20 June 2020

11:00 am -12:00 pm



[Chernergence20](#)



[ChEMERGENCE](#)



THADOMAL SHAHANI ENGINEERING COLLEGE



IIChe-TSEC

PRESENTS



CHEM-TRIATHLON

12th to 14th August

REGISTRATION FEE:

RS.300

(MAX 3 PEOPLE PER TEAM)



PAYMENT OPTIONS:



Pay **paytm**

CONTACT: 7718353002

UPI ACCEPTED

12
AUG

CHEMQ



13
AUG

WHAT WENT WRONG



14
AUG

MINDS IN MOTION



@che.tsec

CONFERENCES

che.tsec2020@gmail.com

REGISTER NOW !

AKSHITA JAIN: 7715875751

GIVINDER SINGH: 7045050621



CHEM-TRIATHLON WINNERS



2

TEAM 26

- Anuj Gupta
- Harshit Rathi
- Manchala Rahul

National Institute Of
Technology, Tirupur

1

TEAM 2

- Priyanka Ghuge
- Narayanan Madathil
- Shubham Pagdhare

Thadomal Shahani
Engineering College,
Mumbai

3

TEAM 1

- Hareh Wadhvani
- Devarsh Shah
- Ankur Upadhyay

Institute Of Chemical
Technology, Mumbai

CONGRATULATIONS TO OUR WINNERS!



CHEM-TRIATHLON

12th, 13th and 14th AUGUST 2020

IICHE-TSEC TAKES GREAT PRIDE IN INTRODUCING THE FIRST OF ITS KIND, CHEM-TRIATHLON WHICH, LIKE ITS NAME SUGGESTS, WILL INCLUDE A REMARKABLE MIXTURE OF 2 DIFFERENT TECHNICAL ROUNDS FOR ALL THE CHEMICAL ENGINEERS WHO ARE EAGER TO DISCOVER AND EXPLORE IT'S ANALYTICAL SIDE THROUGH INNOVATIVE LEARNING!

THERE ARE THREE NOTEWORTHY EVENTS THAT CHEM-TRIATHLON IS INCULCATING INTO IT'S INTERACTIONS.



INDIAN INSTITUTE OF
TSEC
TECHNICAL ENGINEERING SOCIETY

CONTACT US

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Givinder Singh
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EVENTS

CHEMQ



12th AUGUST

Genesis of a modern competition, woven into an intellectually stimulating quiz. Explore a diverse range of brain tickling questions from the world of Chemical Engineering

EVENT DETAILS:



- Registration fee- Rs 300 per team.
- Each Team can have upto 3 members.
- Each team will be provided with a unique team number.
- Results will be evaluated and released, on 17th August.

WHAT WENT WRONG



13th AUGUST

Help Establish workplace safety by being a virtual detective and finding out potential workplace hazards in the industry!

A solution a day can keep the dangers at bay!

PAYMENT OPTIONS:



G Pay

paytm

PhonePe



Contact No: 7738360202

For NEFT/RTGS payment contact us

MINDS IN MOTION



14th AUGUST

A mind boggling challenge for you to solve!
Analyse to create a holistic report for a sustainable and cost-effective product as a solution for a problem statement that will be provided to every team, which will be judged by a panel consisting of renowned individuals from the industry.

Wishing a Good Luck to all the participants

ilche.tsec



CHEMERGENCE



ilchetsec2020@gmail.com

Placement Webinar Series:1
Orientation to Non Core job Opportunities
by our campus placed Alumni.

Placement Webinar Series:

Orientation to Non Core job Opportunities by our campus placed Alumni.

Date 17th August 2020

Co-ordinator: Prof. Nita Mehta and Prof. Mudita Dikshit



The poster features a background image of students cheering with their arms raised. The text is overlaid in various colors and fonts. The top section is yellow with the college name and 'Presents'. The middle section is green with 'TSEC ALUMNI' and session details. The bottom section is grey with panelist information and orange boxes for the convenor and co-ordinator.

TRADOMAL SHAHANI ENGINEERING COLLEGE
Presents
PLACEMENT WEBINAR SERIES
SESSION 1
DATE - 17TH AUGUST
TIME - 9:30 AM

TSEC ALUMNI

SACHIN TALREJA
Technosoft Corp.
Senior Application Developer

AMEET BANDODKAR
Accenture
SAP Consultant

TANVI MEHER
Bahwan Cybernet Pvt Ltd
Solution Consultant (Procurement Transformation)

Our Panelist

Aayushi Kabra
Deloitte USI
Analyst

Stanley Dsa
Accenture
Associate Software Engineer

Convenor
Dr.C.T.Thampi

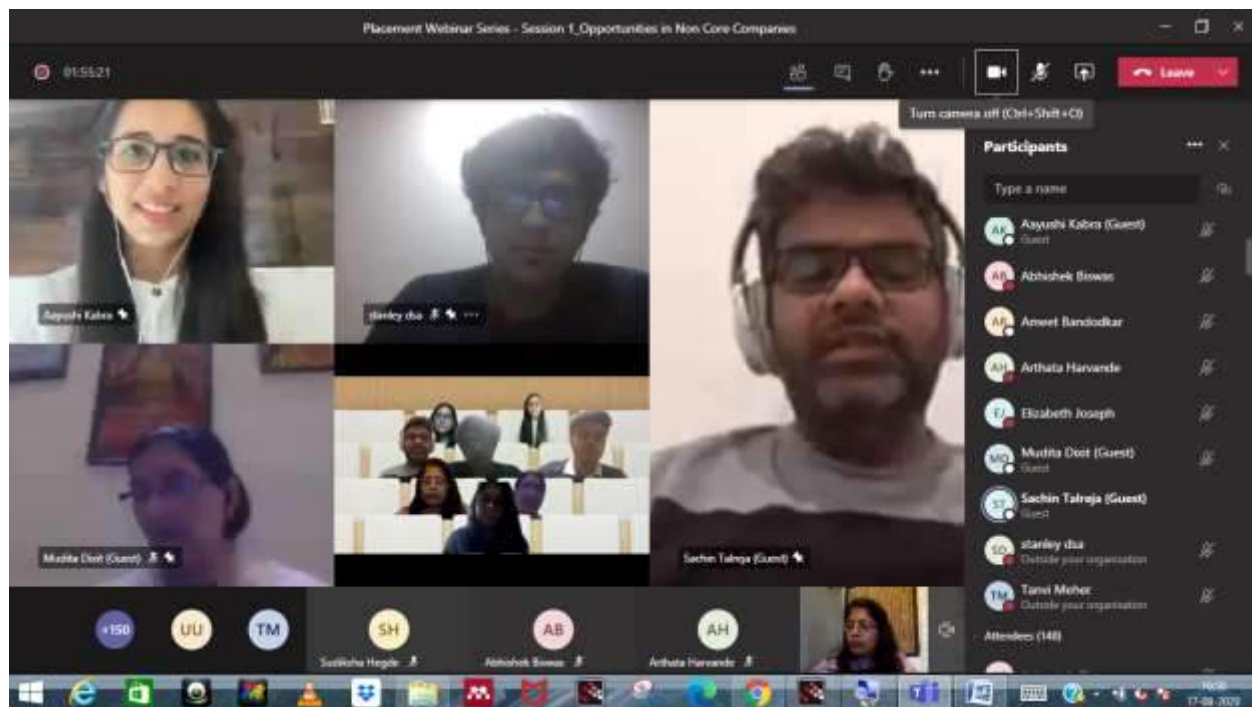
Co-ordinator
Prof Mudita Dixit & Prof Nita Mehta

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List of Resource Person

1. Sachin Talreja
Batch: 2011
Organization: Technosoft Corp
Current Position: Senior Application Developer.
2. Ameet Ashok Bandodkar
Batch: 2011
Organization: Accenture
Current Position: SAP Consultant at Accenture
3. Tanvi Meher
Batch: 2012
Organization: Bahwan Cybertek Pvt Ltd
Current Position: Solution Consultant(Procurement Transformation)
4. Aayushi Kabra
Batch: 2019
Organization: Deloitte USI
Current Position: Analyst
5. Stanley Dsa
Batch: 2018
Organization: Accenture
Current Position: Associate Software Engineer (18months)

Photographs



List of Participants

ID	Email	Name	Mark ur attendance	Participant is
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Placement Webinar Series:2
Orientation to Core job Opportunities by
our campus placed Alumni.

Placement Webinar Series:

Orientation to Core job Opportunities by our campus placed Alumni.

Date 28th August 2020

Co-ordinator: Prof. Nita Mehta and Prof. Mudita Dikshit

The poster features a background image of a person in a white lab coat working with a laptop. The text is overlaid on this image. The title 'THADOMAL SHAHANI ENGINEERING COLLEGE PRESENTS PLACEMENT WEBINAR SERIES' is in large, bold, black and blue fonts. 'SESSION 2' is in a green font. The date and time are in black. The speakers are listed with their names and titles, each accompanied by a circular portrait. The panelists are listed with their names and titles. The convenor and co-ordinator names are at the bottom in white text on a dark green background.

THADOMAL SHAHANI ENGINEERING COLLEGE
PRESENTS
PLACEMENT WEBINAR SERIES
SESSION 2

DATE- 28TH AUGUST 2020
TIME- 9:30 AM -11:00 AM

SPEAKERS-TSEC ALUMNI

			
Swapnil Paingankar Senior Manager Special Projects Ingenero Inc.	Hetal Panchal Process and Technology Engineer Technip FMC	Rakesh kamath Senior Process & Proposal Engineer Ramboll Consulting Engineering	Pratik Bhagat Senior Process Engineer GS Engineering & Construction

PANEL

Arjuna Arora Graduate Engineering Trainee (Process) Worley ECR	Nandita Chattopadhyay Ex-Process Engineer Burns & McDonnell India pvt. Ltd
---	---

Convenor - Dr G.T.Thampi
Co-ordinator
Prof Mudita Dixit & Nita Mehta

List of Resource Person

Swapnil Arun Paingankar Batch: 2004 Organization: Ingenero Inc. Current Position: Senior Manager - Special Projects
Rakesh B Kamath Batch: 2004 Organization: Ramboll Consulting Engineering, Qatar Current Position: Senior Process and Proposal Engineer
Pratik G Bhagat Batch: 2011 Organization: GS Engineering & Construction Mumbai Pvt. Ltd. Current Position: Senior Process Engineer
Hetal Panchal Batch: 2017 Organization: TechnipFMC Current Position: Process and Technology Engineer
Arjuna Arora Batch: 2019 Organization: Worley ECR , Mumbai Current Position: Graduate Engineering Trainee (Process)
Nandita Chattopadhyay Batch: 2019 Organization: Burns & McDonnell India pvt. Ltd Position: Process Engineer

1.

Photographs

List of Participants

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Placement Webinar Series:3
Orientation to Core job Opportunities by
our campus placed Alumni.

Placement Webinar Series: Session 3

Date 19th September 2020

Co-Ordinator: Prof. Nita Mehta and Prof. Mudita Dikshit

THADOMAL SHAHANI ENGINEERING COLLEGE
PRESENTS
PLACEMENT WEBINAR SERIES
SESSION 3

SPEAKERS-TSEC ALUMNI



Harsh Vasoya
Consultant at Climate Change and Sustainability
KPMG Assurance and Consulting Services



Manasi N.J.
Technology Consulting Manager
Ernst & Young

WHEN?
DATE- 19th September
2020
TIME- 9:30 AM -11:00 AM

PANEL



Vinith Dharr
Analyst - Internal Audit
Ernst & Young



Abhishek Shukla
Analyst Climate change and Sustainability
KPMG Assurance and Consulting Services

Convenor - Dr G.T.Thampi

Co-ordinator
Prof Mudita Dixit & Nita Mehta

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2. Name: Manasi N J Batch: -2011 Organization: Technology Consulting Manager Current Position: Ernst & Young
3. Name: Vinith Dharr Batch: -2019 Organization: Internal Audit Current Position: Ernst & Young
4. Name: Abhishek Shukla Batch: -2019 Organization: KPMG Current Position: Analyst

Photographs



List of Participants

Full Name	User Action	Timestamp
Nita Mehta	Joined	19/09/2020, 09:25:16
Nita Mehta	Left	19/09/2020, 10:34:54
Nita Mehta	Joined	19/09/2020, 10:39:58
Aakanksh Shetty	Joined	19/09/2020, 09:34:05
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Aakanksh Shetty	Joined	19/09/2020, 10:54:08
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Abhishek Gujar	Joined	19/09/2020, 10:40:01
Abhishek Soni	Joined	19/09/2020, 09:32:15
Abhishek Soni	Joined	19/09/2020, 10:40:01
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Aditya Ganesh	Left	19/09/2020, 10:02:01
Akshay Karandikar	Joined	19/09/2020, 09:31:44
Akshay Karandikar	Left	19/09/2020, 09:39:32
Akshay Karandikar	Joined	19/09/2020, 09:40:07
Akshay Karandikar	Joined	19/09/2020, 10:40:01
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Akshita Jain	Joined	19/09/2020, 10:40:01
Alok Phatak	Joined	19/09/2020, 10:06:38
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Anas Vora	Left	19/09/2020, 10:56:03
Anas Vora	Joined	19/09/2020, 10:58:02
Anushuwa Banerjee (Guest)	Joined	19/09/2020, 09:41:18
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Arpita Ghosh	Joined	19/09/2020, 09:30:26
Arpita Ghosh	Joined	19/09/2020, 10:40:01
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Aryan Musale	Joined	19/09/2020, 09:29:19

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Ashad Khan	Joined	19/09/2020, 09:38:30
Ashad Khan	Joined	19/09/2020, 10:40:01
Ashish Jaiswal	Joined	19/09/2020, 09:38:46
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Bhupendra Vatandar	Joined	19/09/2020, 09:35:55
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Chinmay Joshi	Joined	19/09/2020, 10:40:01
Danish Shaikh	Joined	19/09/2020, 09:49:37
Danish Shaikh	Joined	19/09/2020, 10:40:01
Dharatiben Antiya	Joined	19/09/2020, 10:16:23
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Dhruvesh Gandhi	Joined	19/09/2020, 09:33:00
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DIPESH THAKUR	Joined	19/09/2020, 09:35:35
DIPESH THAKUR	Joined	19/09/2020, 10:40:01
Dominic Lewis	Joined	19/09/2020, 09:30:18
Dominic Lewis	Joined	19/09/2020, 10:40:01
Dominic Lewis	Left	19/09/2020, 10:59:08
Elizabeth Joseph	Joined	19/09/2020, 09:30:18
Elizabeth Joseph	Left	19/09/2020, 09:30:47
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Gayatri Nalawade	Joined	19/09/2020, 09:30:51
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Givinder Singh	Joined	19/09/2020, 09:30:58
Givinder Singh	Joined	19/09/2020, 10:40:01
Harmit Kadu	Joined	19/09/2020, 09:46:33
Harmit Kadu	Joined	19/09/2020, 10:40:56
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Sanket Gawde	Joined	19/09/2020, 10:40:01
Sanyukta Shinde	Joined before	19/09/2020, 09:25:16
Sanyukta Shinde	Joined	19/09/2020, 10:40:32
Sarvesh Nadkarni	Joined	19/09/2020, 09:32:52
Sarvesh Nadkarni	Joined	19/09/2020, 10:40:01
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Sharvari Raut	Joined	19/09/2020, 09:34:40
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Shivani Mirchandani	Joined	19/09/2020, 09:30:33
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Sriram Sarma	Left	19/09/2020, 11:01:15
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Vanshika Poray	Joined	19/09/2020, 09:31:02
Vanshika Poray	Joined	19/09/2020, 10:40:01
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Vasoya, Harsh	Joined	19/09/2020, 10:40:01
Vighnesh Pai	Joined	19/09/2020, 09:35:19
Vighnesh Pai	Joined	19/09/2020, 10:40:01
Vikas Singh	Joined	19/09/2020, 10:25:23
Vikas Singh	Joined	19/09/2020, 10:40:01
Vinil Malvi	Joined	19/09/2020, 09:59:51
Vinil Malvi	Joined	19/09/2020, 10:40:01
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Vinith Dhar	Joined	19/09/2020, 09:33:07
Vinith Dhar	Joined	19/09/2020, 10:40:01
Vishal Aswani	Joined	19/09/2020, 09:33:13
Vishal Aswani	Joined	19/09/2020, 10:40:01
Zaid Sayyed	Joined	19/09/2020, 10:09:49
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Placement Webinar Series: Session 4

Opportunities As An Entrepreneur

Placement Webinar Series: Session 4

Opportunities As An Entrepreneur

Date 14th October 2020

Co-Ordinator: Prof. Nita Mehta and Prof. Mudita Dikshit

THADOMAL SHAHANI ENGINEERING COLLEGE
PRESENTS
PLACEMENT WEBINAR SERIES
SESSION 4

THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE

TOPIC - OPPORTUNITIES AS AN ENTREPRENEUR

OCTOBER 14, 2020
9:30AM-11:00AM

Our Speakers : TSEC Alumni



Lekha Nirmal
Executive Director
P-Mech Consultant Pvt Ltd



Rima Veera
Managing Partner
Seamak Hi-Tech Products LLP



Kunal Sikchi
Director
Matrix Fine Sciences Pvt Ltd &
Marathwada Chemical Inds
Pvt Ltd

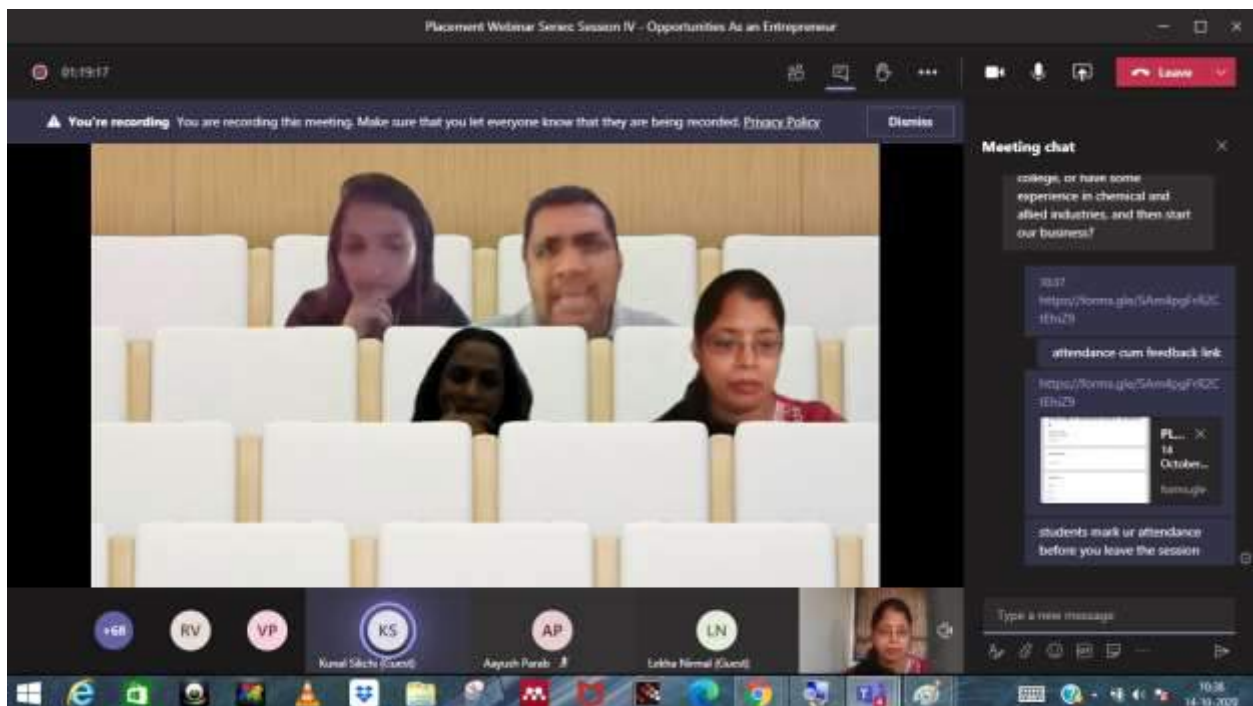
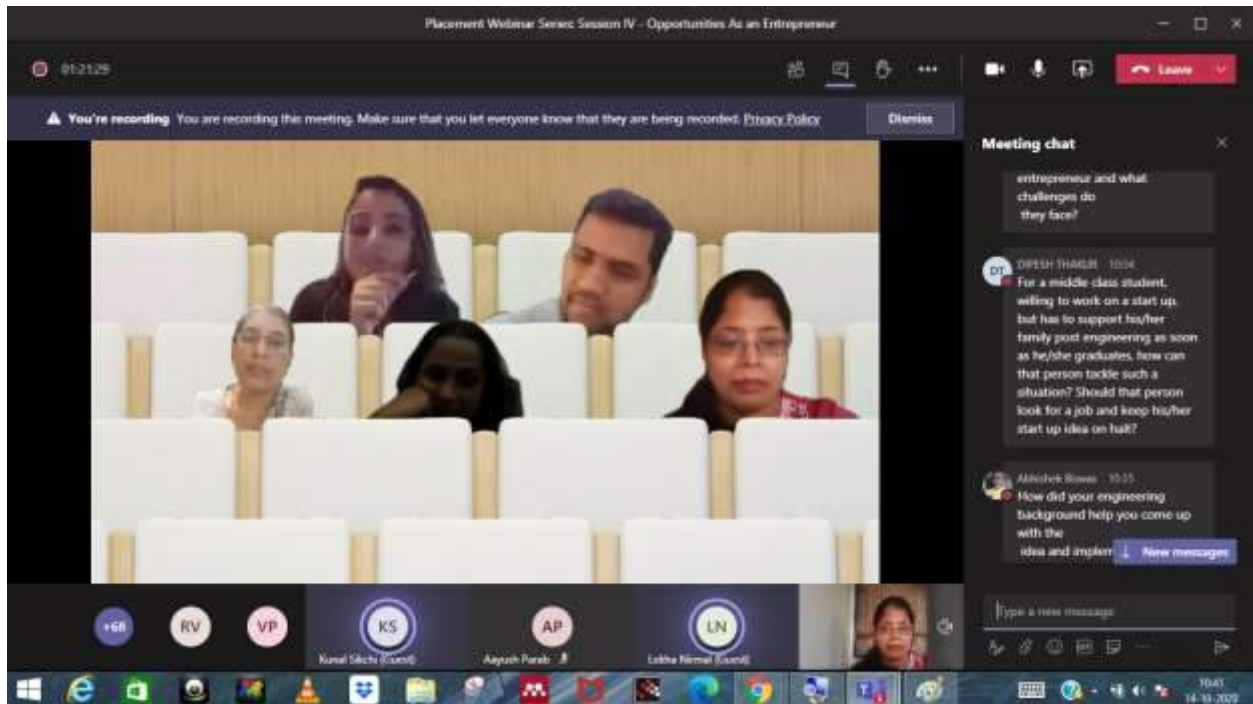
Convener - Dr. G. T. Thampi

Co-ordinators - Prof Mudita Dixit & Prof Nita Mehta

List of Resource Person

1. Name: Hiren Panchal Batch: 1998 Organization: Hugopharm Technologies Pvt. Ltd.& Partner at S.B. Panchal & Company Current Position: Director
2. Name: Rima Veera Batch: 2003 Organization: Seamak Hi-Tech Products LLP Current Position: Managing Partner
3. Name: Lekha Nirmal Batch: 2016 Organization: P-Mech Consultant Pvt Ltd Current Position: Executive Director
4. Name: Kunal Sikchi Batch: 2008 Organization: Matrix Fine Sciences Pvt Ltd & Marathwada Chemical Inds Pvt Ltd Current Position: Director

Photographs







Placement Webinar Series Session 3

01:49:08

Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. [Privacy Policy](#) [Dismiss](#)

Meeting chat

- Rishika Rao joined the meeting.
- Onkar Patilkar joined the meeting.
- Divakar Singh joined the meeting.
- Vaishika Paray joined the meeting.
- Radhika Sawant joined the meeting.
- Chaitanya Khoskar joined the meeting.
- Priyanka Bhaskar joined the meeting.
- Chetan Morebhat joined the meeting.
- Hem Vora joined the meeting.
- Siddi Modak joined the meeting.
- Raj Dhakalia joined the meeting.
- Akshay Karamlikar joined the meeting.

AS
Shalika, Abhinav

SA
Sahil Arya

AJ
Abhishek Jari

Manani Nj

malireyachhat

Elizabeth Joseph

Piyush Patel

Vinayak, Harsh

Arthika Hanumanth

+67 RN DG SM RB SJ VP KS SG

Type a new message

11:08 19-09-2020

List of Participants

Full Name	User Action	Timestamp
Nita Mehta	Joined	14/10/2020, 09:23:03
Sanyukta Shinde	Joined before	14/10/2020, 09:23:03
Abhishek Biswas	Joined before	14/10/2020, 09:23:03
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Mudita Dixit	Joined	14/10/2020, 09:25:07
Aayush Parab	Joined	14/10/2020, 09:25:10
Gayatri Nalawade	Joined	14/10/2020, 09:25:16
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Zaid Sayyed	Joined	14/10/2020, 09:26:02
Shraddha Bukkanure	Joined	14/10/2020, 09:26:38
Aryan Musale	Joined	14/10/2020, 09:26:42
Soham Joshi	Joined	14/10/2020, 09:27:18
Salil Modak	Joined	14/10/2020, 09:27:26
Heet Vora	Joined	14/10/2020, 09:27:38
Saloni Takhtani	Joined	14/10/2020, 09:27:47
Vanshika Poray	Joined	14/10/2020, 09:27:48
Rima Veera (Guest)	Joined	14/10/2020, 09:27:49
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Sharang Rajan	Left	14/10/2020, 09:59:09
Kunal Sikchi (Guest)	Joined	14/10/2020, 09:30:17
Rahul Singh	Joined	14/10/2020, 09:30:26
Owais Merchant	Joined	14/10/2020, 09:30:32
Prasad Pakhurde	Joined	14/10/2020, 09:30:42
Rushikesh Bhosale	Joined	14/10/2020, 09:30:54
Abhishek Soni	Joined	14/10/2020, 09:30:56
Abhishek Soni	Left	14/10/2020, 10:43:12
Megha Gohil	Joined	14/10/2020, 09:31:00
Ramanath Bhat	Joined	14/10/2020, 09:31:04
Sahil Arya	Joined	14/10/2020, 09:31:13
Khushank Parmar	Joined	14/10/2020, 09:31:18
Kartik Shetty	Joined	14/10/2020, 09:31:22
Vighnesh Pai	Joined	14/10/2020, 09:32:21
Radha Sawant	Joined	14/10/2020, 09:32:41
Radha Sawant	Left	14/10/2020, 09:37:32
Radha Sawant	Joined	14/10/2020, 09:37:47
DIPESH THAKUR	Joined	14/10/2020, 09:33:03
Neil Dcosta	Joined	14/10/2020, 09:33:11
Chaitanya Patil	Joined	14/10/2020, 09:33:17
Hasan Shahid	Joined	14/10/2020, 09:33:18
Hasan Shahid	Left	14/10/2020, 10:40:49
Shubham Kailas	Joined	14/10/2020, 09:33:23
Kunal Velankar	Joined	14/10/2020, 09:33:43

Lekha Nirmal (Guest)	Joined	14/10/2020, 09:33:56
Elizabeth Joseph	Joined	14/10/2020, 09:34:39
Akshay Karandikar	Joined	14/10/2020, 09:34:55
Akshay Karandikar	Left	14/10/2020, 10:01:05
Siddhesh Dhome	Joined	14/10/2020, 09:35:07
Arthata Harvande	Joined	14/10/2020, 09:35:24
Bhargavi Lokapur	Joined	14/10/2020, 09:36:23
Alok Phatak	Joined	14/10/2020, 09:36:44
Ateeq Kazi	Joined	14/10/2020, 09:37:22
Ateeq Kazi	Left	14/10/2020, 09:46:32
Ateeq Kazi	Joined	14/10/2020, 09:49:36
Ateeq Kazi	Left	14/10/2020, 09:52:39
Ateeq Kazi	Joined	14/10/2020, 10:07:31
Ateeq Kazi	Left	14/10/2020, 10:08:00
Ateeq Kazi	Joined	14/10/2020, 10:20:14
Ateeq Kazi	Left	14/10/2020, 10:27:00
Prosido Mitra	Joined	14/10/2020, 09:37:54
Prosido Mitra	Left	14/10/2020, 10:43:21
Sharvari Raut	Joined	14/10/2020, 09:37:55
Shreya Pillai	Joined	14/10/2020, 09:39:08
Shreya Pillai	Left	14/10/2020, 09:59:22
Shreya Pillai	Joined	14/10/2020, 10:48:23
Vaishnavi Nambiar	Joined	14/10/2020, 09:40:03
Vaishnavi Nambiar	Left	14/10/2020, 10:03:23
Prajakta Bomma	Joined	14/10/2020, 09:40:11
Prajakta Bomma	Left	14/10/2020, 10:05:18
Prajakta Bomma	Joined	14/10/2020, 10:06:27
Prajakta Bomma	Left	14/10/2020, 10:11:31
Prajakta Bomma	Joined	14/10/2020, 10:12:24
Rishikesh Pawar	Joined	14/10/2020, 09:41:02
Chinmay Joshi	Joined	14/10/2020, 09:41:56
Chinmay Joshi	Left	14/10/2020, 10:24:27
Pranav Dharmadhikari	Joined	14/10/2020, 09:42:31
Sanket Gawde	Joined	14/10/2020, 09:43:37
Piyush Patil	Joined	14/10/2020, 09:43:55
Shivani Mirchandani	Joined	14/10/2020, 09:44:07
Vinit Khopkar	Joined	14/10/2020, 09:46:16
Vinit Khopkar	Left	14/10/2020, 09:52:28
Vinit Khopkar	Joined	14/10/2020, 09:56:40

Vinit Khopkar	Left	14/10/2020, 09:58:50
Reevan Dsouza	Joined	14/10/2020, 09:46:24
Abhishek Gujar	Joined	14/10/2020, 09:46:48
Chaitanya Khandare	Joined	14/10/2020, 09:46:49
Chaitanya Khandare	Left	14/10/2020, 09:47:24
Chaitanya Khandare	Joined	14/10/2020, 09:49:43
Ashish Jaiswal	Joined	14/10/2020, 09:47:22
Siddhant Garje	Joined	14/10/2020, 09:49:12
Siddhant Garje	Left	14/10/2020, 09:50:20
Ashad Khan	Joined	14/10/2020, 09:50:08
Ashad Khan	Left	14/10/2020, 10:05:03
Riddhi Patil	Joined	14/10/2020, 09:50:57
Riddhi Patil	Left	14/10/2020, 10:14:33
IshneetKaur Alag	Joined	14/10/2020, 09:51:02
IshneetKaur Alag	Left	14/10/2020, 10:27:41
Prithveeraj Wavre	Joined	14/10/2020, 09:51:08
Prithveeraj Wavre	Left	14/10/2020, 10:45:56
Umesh Manchandani	Joined	14/10/2020, 09:52:05
Umesh Manchandani	Left	14/10/2020, 09:59:01
Sudiksha Hegde	Joined	14/10/2020, 09:52:30
Priyanka Ghuge	Joined	14/10/2020, 09:53:54
Priyanka Ghuge	Left	14/10/2020, 09:55:03
Dominic Lewis	Joined	14/10/2020, 09:54:18
Lohith Naidu	Joined	14/10/2020, 09:57:17
Lohith Naidu	Left	14/10/2020, 09:59:02
Lohith Naidu	Joined	14/10/2020, 10:15:01
Taher Belgaumwala	Joined	14/10/2020, 09:58:40
Taher Belgaumwala	Left	14/10/2020, 10:16:28
Ibrahim Hussain	Joined	14/10/2020, 09:59:27
Ibrahim Hussain	Left	14/10/2020, 10:09:20
Ibrahim Hussain	Joined	14/10/2020, 10:09:34
Dhruvesh Gandhi	Joined	14/10/2020, 10:00:58
Dhruvesh Gandhi	Left	14/10/2020, 10:31:46
Dhruvesh Gandhi	Joined	14/10/2020, 10:31:58
Shweta Shinde	Joined	14/10/2020, 10:06:46
Vishal Aswani	Joined	14/10/2020, 10:06:52
Vishal Aswani	Left	14/10/2020, 10:27:02
Vishal Aswani	Joined	14/10/2020, 10:27:32
Altamash Shaikh	Joined	14/10/2020, 10:16:03
Gaurav Khandelwal	Joined	14/10/2020, 10:17:07

Gaurav Khandelwal	Left	14/10/2020, 10:17:18
Gaurav Khandelwal	Joined	14/10/2020, 10:17:33
Ranoo Vishwakarma	Joined	14/10/2020, 10:19:22
Ranoo Vishwakarma	Left	14/10/2020, 10:50:02
HaseebAhmed Khadas	Joined	14/10/2020, 10:19:57
Sarvesh Nadkarni	Joined	14/10/2020, 10:21:06
ShubhamKumar Rai	Joined	14/10/2020, 10:24:25
ShubhamKumar Rai	Left	14/10/2020, 10:31:02
Vinil Malvi	Joined	14/10/2020, 10:25:48
Vinil Malvi	Left	14/10/2020, 10:47:51
Vishesh Singh	Joined	14/10/2020, 10:26:19
Vishesh Singh	Left	14/10/2020, 10:46:24
Dharatiben Antiya	Joined	14/10/2020, 10:32:07

TSEC CodeCell-Git and Github

Git and GitHub

The workshop attended by about 100 people consisted of a 2 hour talk followed by a 1.5 hour hands-on session.

The talk conducted by Harsh Kapadia explained and demonstrated most of the basic concepts of Git and the features of GitHub. The talk was sufficient enough for the participants to understand the importance and spirit of Open Source and start contributing to it.

The hands-on session conducted by Harsh Kapadia and Tushar Nankani following the talk enabled the participants to put into practice what was demonstrated during the talk.



meet.google.com/... Harsh Kapadia is presenting

Meeting details

People (37)

YOU 2:16 PM
<https://www.youtube.com/watch?v=92593836w>

ashish gajwani 2:21 PM
we are unable to see your screen

Sagar Agcha 2:23 PM
undo screen for unpin it

nishith raghuwanshi 2:23 PM
by enabling his video

sanket yadav 2:24 PM
undo harsh's slides

Rajiv Tamsle 2:27 PM
No Audio

There is a message to everyone

Turn on captions

Harsh Kapadia is presenting



Harsh Kapadia is presenting

Meeting details

Local Repository HEAD: master





Harsh Kapadia is presenting



Dhruv Lalani
and 86 more



3:37 PM



Harsh Kapadia

Meeting details



Turn on captions

Harsh Kapadia
is presenting



TSEC Hacks 2021

TSEC CodeCell, under the able guidance of Prof. Tasneem Mirza, hosted its annual flagship event TSEC Hacks, a 40 hour Online Hackathon, that was conducted from the 26th of March to the 28th of March, 2021. This competition aimed to nurture innovation, motivate the participants to code, and foster healthy competition among the participants. The event had participants from different colleges, different streams and different undergraduate levels.

The Domains for the Hackathon were:

1. Web Development
2. App Development
3. Artificial Intelligence and Machine Learning
4. Blockchain
5. Social Cause

The Hackathon being an online event was conducted on numerous platforms, particularly WhatsApp, Zoom and Discord. The teams consisted of 2-4 members, with each team having to pay a registration fee of ₹100 after getting shortlisted. The hackathon saw an overwhelming response with a total of 138 teams, consisting of aspiring students from 43 colleges, registering for the event. After much consideration and discussion, out of the 138 teams, 63 teams were shortlisted to compete in the hackathon.

The participants were required to upload their code to Github at the end of the Hackathon. To aid the participants who were unfamiliar with the framework, a 3-hour workshop on 'Git and Github' was conducted by Harsh Kapadia, a CodeCell committee member, on the 21st of March. This workshop, attended by approximately 100 people, helped the participants unfamiliar with Git and Github gain a basic understanding of the frameworks and use it for collaboration during the course of the hackathon.

TSEC CodeCell-Weekly challenges

Weekly Challenges

TSEC CodeCell organized weekly challenges for the students of Thadomal Shahani Engineering College which helped beginners to start programming. Every Sunday, a set of questions was released for the students to solve on TSEC CodeCell's website, which ranged from easy to difficult. Each question had a certain amount of points based on the difficulty and the students were given points if they solved the question. The first three students to solve a problem were given bonus points. The weekly challenges were conducted from 30th August, 2020 to 12th December, 2020.

The questions were based on topics such as greedy approach, dynamic programming, modular arithmetics, game theory, etc. The students could code in C++, Java or Python.

The weekly challenges introduced students to new concepts and helped them build their basics. Through the weekly challenges, the students were able to strengthen their data structures and algorithms skills. Tutorials were also released along with additional resources which allowed students to understand the concept behind the problem and practice similar questions.

At the end of the weekly challenges, certificates were given to the top 3 students on the leaderboard.

[HOME](#)[CHALLENGES](#)[TSEC HACKS](#)[LEADERBOARD](#)[ABOUT US](#)[Login](#)

TSEC Leaderboard

1	palindroam SE, Computer	<div></div>	1986 _{pts}
2	kaiyu TE, IT	<div></div>	1978 _{pts}
3	nt	<div></div>	1877 _{pts}
4	fki_20	<div></div>	1548 _{pts}
5	arrayboy SE, Computer	<div></div>	1512 _{pts}
6	tusharnankani	<div></div>	1314 _{pts}

TSEC Hacks 2021

TSEC Hacks 2021 Report

Website : <http://www.tseccodecell.com/tsec-hacks/>

TSEC CodeCell, under the able guidance of Prof. Tasneem Mirza, hosted its annual flagship event **TSEC Hacks**, a **40 hour Online Hackathon**, that was conducted from the 26th of March to the 28th of March, 2021. The aim of this competition was to nurture innovation, motivate the participants to code, and foster healthy competition among the participants. The event had participants from different colleges, different streams and different undergraduate levels.

The 40 hour Hackathon was conducted as follows:

- **Day 1 (26th March)** - The Opening Ceremony began at 5 pm followed by the Problem Statement Explanation. The Coding Period for the participants began at 7 pm.
- **Day 2 (27th March)** - The Mentoring Sessions commenced at 10 am and went on till 8:30 pm where the students received guidance from the mentors as to how to improve upon their projects.
- **Day 3 (28th March)** - The Coding Round ended at 11 am, subsequently followed by the Phase 1 of judging. Phase 2 of Judging commenced at 3 pm, and after deliberation by the judges, the winners were announced at the Closing Ceremony.

The Hackathon being an online event was conducted on numerous platforms, particularly WhatsApp, Zoom and Discord. The teams consisted of 2-4 members, with each team having to pay a registration fee of ₹100 after getting shortlisted. The hackathon saw an overwhelming response with a total of 138 teams, consisting of aspiring students from 43 colleges, registering for the event. After much consideration and discussion, out of the 138 teams, 63 teams were shortlisted to compete in the hackathon.

The Publicity for the event was done on CodeCell social media handles (Instagram, LinkedIn, Facebook, Whatsapp), as well as on online event websites such as Dare2Compete. Information about the Hackathon was also circulated among various college groups, and the event was publicized by the CodeCell team in all classes of the Computer, IT, EXTC and BioMedical departments of TSEC.

The participants were required to upload their code to Github at the end of the Hackathon. To aid the participants who were unfamiliar with the framework, a 3-hour workshop on '*Git and Github*' was conducted by Harsh Kapadia, a CodeCell committee

member, on the 21st of March. This workshop, attended by approximately 100 people, helped the participants unfamiliar with Git and Github gain a basic understanding of the frameworks and use it for collaboration during the course of the hackathon.

The Domains for the Hackathon were:

1. Web Development
2. App Development
3. Artificial Intelligence and Machine Learning
4. Blockchain
5. Social Cause

Besides the cash prizes the participants/winners were rewarded with other incentives such as:

1. Wolfram Award For Top 10 Teams (Worth \$375 Per User)
2. 90%-70% Discount Coupons For Any Coding Blocks Course
3. SITH Free Course
4. Pair A Dice Cafe Coupons
5. Internships And Mentorship Provided By CertifyMe And SITH

All participants also got access to:

1. Wolfram|One (\$25 For A Month)
2. Repl.it HackerPlan (\$21 For 3 Months)
3. Taskade Unlimited Plan (\$60 For 1 Year)
4. SashiDo Platform Credits
5. 65% Discount Coupons For Coding Blocks Courses

REGISTRATION STATISTICS

Domain	Number of Teams
Web/App Development	37
Artificial Intelligence and Machine Learning	15
Social Cause	9
Blockchain	2

PROBLEM STATEMENTS

Machine Learning

1. Video KYC Application

Analysis of Covid Vaccine

Earlier KYC verification was done in person, but due to COVID-19, banks are trying to implement a way to perform KYC virtually.

KYC: It means Know Your Customer, in which the organization makes some extra effort to verify the identity, suitability and risks involved with maintaining a professional relationship.

Your task is to create a web application in which the user will upload the government documents. The ML model will try to perform some type of verification and verify that the person uploading those documents is a legit user.

Optional Features:

What should happen if the model predicts a false negative?

Try to add any fraud detection system

Your solution will be judged on the basis of the uniqueness of your ML approach and different types of verification methods

2. Invoice Processing System

One major problem in the finance world is that invoice formats are not standard and structured. Extracting useful information from these documents is easy for humans but a challenging task for machines.

Your task is to create a platform where a user will

- upload their invoices in PDF/scanned image
- ML model will extract all of the required information
- Export the data into a JSON/CSV format

ML Model: You need to train a model from scratch on the given dataset or you may use your own data.

Dataset : <https://drive.google.com/drive/folders/1ShltNWXyiY1tFDM5W02bceHuJjyeeJI2>

Example of important information from Invoices:

- Invoice Number
- PO Number
- Invoice Date
- Due Date
- Terms
- Subtotal
- Tax
- Amount Due
- Currency
- Vendor Name
- Vendor Address
- Customer Name
- Other

Optional Features:

The user should have an option to review and validate the captured information from the model

Your solution will be judged heavily on the accuracy of your model.

Blockchain

1. Cryptocurrencies Problem Statement:

A cryptocurrency is a digital or virtual currency that is secured by cryptography, which makes it nearly impossible to counterfeit or double-spend. Many cryptocurrencies are decentralized networks based on blockchain technology—a distributed ledger enforced by a disparate network of computers.

Your task is to create a **Cryptocurrency of your own** and demonstrate Cryptocurrency transactions using animations and dynamic visualisations (wherever applicable).

Your application should demonstrate the process of adding new blocks to the blockchain. The visualization of the block should contain:

1. Index of the Block: Block #1
2. Hash: #00001834d29f33...
3. Previous Hash: #000dc75...
4. Timestamp: Tue, 19 Dec 2017 ...
5. Data
6. Nonce: 1263

It should be capable of demonstrating 3 types of transactions:

1. Reward: Satoshi rewarded with 100 coins for mining a new block.
2. Regular: Satoshi paid Dean 5 coins with a change of 94 coins.
3. Fee: Mining fee of 1 for whoever mines the transaction (Satoshi in the example above).

It is necessary to address the following:

1. How is the value assigned?
2. How can people trust Cryptocurrency?

Reference: <https://coindemo.io/>

You can use:

1. Non-Linear Blockchain structures such as DAG
2. Consensus algorithms like BFT and EOS - dPoS

2. Fake Product Detection System:

There are many fake products that exist in the supply chain and to ensure the genuineness of the product, a system is needed. To check the genuineness of a product, the ownership history of the product needs to be maintained.

Every popular brand has fake manufacturers selling a counterfeited item at cheaper rates. Even the company experts may not be able to distinguish between fake ones and real ones.

Your task is to use Blockchain to find if a product is authentic or not.

The system should work as follows:

1. The manufacturer marks the goods with 2D barcode / QR Code and packs them.
2. At each stop along the supply chain, anyone handling the product will create a record on the blockchain before sending it along to the next link using the 2D Barcode / QR-code.
3. The customers can scan the item's 2D Barcode / QR-code to ensure their authenticity.
4. Once the item is sold, the blockchain should mark the particular product as "sold".

If the product is authentic the application should provide all the details about the product along with the manufacturer, location of the manufacturer, distributor, location of the warehouse,

transportation companies and retailers. The application should also notify the user if the product is fake.

Web/App Dev

1. On-demand car service application

Travelling by automobile has been the most widely used mode of transport. Often while travelling, passengers face the situation of a vehicular breakdown. Passengers are unaware of the car service centres available at remote places.

Create a web/mobile app that will help connect passengers and mechanics when in need.

Suggestions :

- The web/app should support all vehicles like cars, buses or trucks, etc.
- It should display the nearby service centres/mechanics to the passengers.
- Passengers should get the contact information and the scope of service the centres/mechanics provide (Cost charges should be mentioned).
- Once a mechanic is hired by the passenger, a confirmation receipt along with the arrival time should be displayed.
- In case of failure of any mechanical parts of the vehicle, the passengers should have an option to purchase mechanical parts from nearby centres.

2. Course Tracker Companion

Students usually do not have access to resources related to the session they attend. Student's might also miss the session due to technical difficulties.

Create a course tracker that tracks a series of recorded lectures and assists students.

Suggestions :

The course tracker should provide functionalities such as:

- a. Ability to upload recorded lectures.
- b. The teacher should be able to attach lecture notes and references.

The system should be able to crawl the internet for resources to supplement the lecture.

The resources can be:

- Book references
- Academic and/or professional papers
- Tutorials and any other beneficial information.

3. Job reviews for Students

Students don't have a lot of information about the companies that could provide them with job opportunities. Most of the time this information is scattered.

Develop a system for Students to create a Company profile & a score for Campus job opportunities from the following sources -

1. Company website
2. Company Social Media account
3. Posts from the company's officeholders
4. Reviews on Google My Business and Glassdoor

Suggestions -

- a. Students should be able to rate on parameters like
 - Work-Life balance
 - Types of projects
 - Work culture
 - Pay
- b. Students should be able to plan their preparation for placements according to the company
- c. Students should have the option to add company-specific questions to every company
- d. A dashboard for students that helps them track their preparation

4. Online IDE

Build a Real-Time Collaborative coding ide/text editor.

Feature Set:

1. Related to Coding:
 - A. Autocompletion
 - B. Linting
 - C. Syntax Highlighter
 - D. Snippets
 - E. Bracket Matching
2. Cross-Platform Support
3. File System Navigator
4. Language Server Protocol(LSP) Support(Client Implementation)

References:

LSP Client Implementation

(<https://blog.logrocket.com/how-to-use-the-language-server-protocol-to-extending-a-client-764da0e7863c/>)

Social Cause

1. Vatsalya Trust

Due to the pandemic school children need access to electronic devices like phones, laptops, desktops for their online lectures. Sometimes children could misuse these things by skipping the lectures and instead could access websites and social media platforms. This has resulted in an alarming increase in internet exposure to children.

Vatsalya Trust is looking for a solution that could help the guardians/parents/supervisors of children to get notified in case of any misuse detected. Considering the time constraints, you are expected to come up with a solution with the following features (feel free to add your own ideas):

1. Build a Web/Mobile app/extension where the parents could register a device along with some other contact information.
2. Everytime a browser is accessed from this device and in case of any social media page is accessed during online lectures (for simplicity you may consider Google Meet) or tab is switched, issue a warning to the user. If ignored, report it to the parent/guardian email/phone.
3. Create a log of all the browsing activity the child is doing during online lectures.
4. Disabling this control/tracing should require parents'/guardian's permission.

BONUS:

- Cross-platform integration (mobile and desktop)
- Digital wellbeing reminders

2. Aapka Sahara Foundation

Design a senior-friendly website/app where senior citizens can connect to an ASF volunteer via phone-call/physical meetup

There should be registration pages for both - senior citizen and volunteer along with verification for both using some document

The website/app should show the nearest volunteers(for physical meetup) and then they can schedule a meet-up with the volunteer.

Optional feature

Implement a chat system wherein a senior citizen can chat with other senior citizens (individually and/or in the group) with similar interests

The system should suggest people the senior citizen can/should chat with.

JUDGES

Web Development	AI/ML	Social Cause/Blockchain
Navnath Shinde	Darshan Solanki	Siddhartha Nigam
Rahul Saxena	Ali Mustafa Shaikh	Dr. Vijay Karna (Capgemini)
Neeral Mulchandani	Navnath Shinde (Capgemini)	
Himanshu Totla		

MENTORS

Web Development	AI/ML	Social Cause/Blockchain
Saurabh Daware	Rishit Dagli	Vaibhav Chellani
Vilva Athiban	Aanchal Mishra	
Tanisha Sabherwal		

SPONSORS

1. **CertifyMe - Education Partner**
2. **SITH - Education Partner**
3. **Pair a Dice Cafe - Gaming Partner**
4. **Wolfram Language - Technology Partner**
5. **Repl.it - Technology Partner**
6. **Taskade - Collaboration Partner**
7. **Give My Certificate - Certificate Partner**
8. **SashiDo - Technology Partner**
9. **Coding Blocks - Community Partner**

WINNERS

Position	Team Name	College Name	Members	Cash Prize
First	Team Gravity	Atharva College of Engineering	Raju Potharaju Mayuresh Surve Payal Pawar	Rs. 25,000
Second	Ctrl Alt Elite	Dwarkadas J. Sanghvi College of Engineering	Devanshu Shah Jinay Parekh Palka Dhirawani Vedant Gandhi	Rs. 10,000
Third	DROP TABLE TEAM	Fr. Conceicao Rodrigues Institute of Technology, Vashi	Aditya Unnikrishnan Abhishek Choudhary Gabriel Rajendran Gregory Biju	Rs. 2,500
Third	403_Forbidden	Thadomal Shahani Engineering College	Parth Sunil Cheulkar Varun Mamtara Chiraayu Meghnani Shyren More	Rs 2,500

FEEDBACK

Jury Feedback

https://docs.google.com/forms/u/2/d/19vVmQ5D9_AKOm_FUA-rwh1MahBi7JaBMOz3kYTHelpS/edit#responses

Participants Feedback

https://docs.google.com/forms/u/2/d/1V7UnTWmDGB6Sz_J-L4gu5nkeCOi6P7OH_4Xuq1G6eA/edit#responses

COMMITTEE MEMBERS

BE:

Amol Sawant
Chinmay Patil
Ishita Kotian
Kenil Shah
Malvika Rao
Rahul Gohil
Rishab Saini
Ritika Talreja

TE:

Aashna Shah
Archit Shinde
Aryan Nayak
Faizan Parabtani
Girish Kewalramani
Harsh Kapadia
Harshavardhan Abichandani
Ishita Deshmukh
Lavesh Tirthani
Monika Jha
Pooja Patel
Poornartha Sawant
Saurav Uppoor
Shlok Jethmalani
Shubham Chettiar
Vaish Devidasani

SE:

Arjun Balamwar
Dheeraj Lalwani
Gaurav Raj
Jash Makhija
Prithvi Rohira
Saket Thota
Sanskriti Yadav
Shubh Mehta

Tanay Kamath
Tushar Nankani

WOMEN DEVELOPMENT CELL

"Sustainable Menstrual Products"
-need of the day

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WEBINAR ON**

"Sustainable Menstrual Products" -need of the day

Menstrual Education needs an Upgrade!



Convener

Dr.G.T.Thampi
(Principal,TSEC)

Co-ordinator

Dr. Elizabeth Joseph
(Associate Professor,
Chemical Dept.,TSEC)



8th March'21



10:00 am

Join us on MS teams

Anuja Sawant

ENVIRONMENTAL & SUSTAINABILITY CONSULTANT

For more than 6 years, she has been offering an array of eco-socio sustainability services in India & worldwide as a consultant, a service provider, a freelancer, an adviser, and an active partner.

 **Registration link: <http://bit.ly/3qYCMvp>** 

**Switch to reusables & recyclables, ecologically-
conscious ladies!"**

Free registration & Open for all!

**Webinar On
Sharpening Your Skills To Take A
Big Leap**

THADOMAL SHAHANI ENGINEERING COLLEGE

**DEPARTMENT OF
ELECTRONICS & TELECOMMUNICATION ENGINEERING**

ORGANISES WEBINAR ON

SHARPENING YOUR SKILLS TO TAKE A BIG LEAP

Date : 29th August 2020

Time : 3.pm to 5. pm

Registration fees : Free

Last date for Registrtion: 27th August 2020

Registration link : <https://forms.gle/yhHupp6uDjpUgyTR6>



Prof. Parul Shah
PhD from IIT Mumbai, Electrical Engg.
Topic: Turning Stones into Milestones



Prof. Manoj Kavedia
ME in Electronics, Mumbai University
Topic: A Path of Converting Mini
Projects to Major One

Convener:
Dr. G.T. Thampi
(Principal)

Co- Convener:
Dr. Ashwini Kunte
(HOD EXTC & Vice Principal)

Coordinator:
Prof. K.K. Mathew
(Faculty EXTC Dept.)

Coordinator:
Prof. Anushree Gupta
(Faculty EXTC Dept.)

Webinar on Artificial Intelligence



THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE



Webinar On : Artificial Intelligence

Making the best out of your Undergrad to get into
an Artificial Intelligence Role at top 5 Companies

Speaker : Aman Chadha

He completed his BE in EXTC from TSEC in 2012.
He received his M.S. in Computer Architecture from
the University of Wisconsin-Madison and is currently
pursuing his second M.S. in Artificial Intelligence from
Stanford University. He is currently an Engineering Lead
in the Mac Systems Performance and Architecture
team at Apple Inc. at their headquarters in Cupertino
(Silicon Valley), California.



Date : 18th July 2020

Time : 11 AM - 12.30 PM

Objectives :

Webinar will give an opportunity to all young minds that to
understand what the AI hype is and how a career in this area
will shape up in future.

E-Certificates will be issued to all registered participants.

Organised by
Electronics and Telecommunication Engineering Department

Register Now ➔

5.3.2 Administrative

Sno	Name	Page
1	Diksha Rajesh Manwani-secretary for A.Y 2017-18	2-18
2	Mishra Akash Sukumar-secretary for A.Y 2017-18	19-36
3	Tsec Awards for A.Y 2018 -19	37-39
4	Tsec Awards for A.Y 2019 - 20	40-43



THADOMAL SHAHANI ENGINEERING COLLEGE

TSEC/COS-30/2018/534

Date: 31/08/2018

To,
The Director,
Department of Students' Development,
University of Mumbai,
Vidyapeeth Vidhyarthi Bhavan,
'B' Road, Churchgate,
Mumbai : 400 020.

Sir,

This is to inform you that Ms. Diksha Rajesh Manwani bonafide student of Thadomal Shahani Engineering College has been duly elected as the "SECRETARY" of Institute / College Students' Council, formed under section (2)(b) at the election held on 31/08/2018. Information in respect of his age, sex, residential address, educational background and extra-curricular activities, etc. is given below:-

Name in full : Diksha Rajesh Manwani

Class and Division : Third Year (Computer branch of Engineering)

Roll No : C-1 (Computer) / 70 Sex : Female Date of Birth : 10/08/1997

(in words Tenth August Nineteen Ninety Seven)

Present Age: 21 Years

Residential Address : (Residential) C / 506, Shrama Sadhana Hostel,
Government Colony, Subhash Nagar, Bandra (East),
Mumbai : 400051.

(Correspondence) 57/58, Sant Kanwarram Chowk,
Nanak Nagar, Sindhi Colony, Bhusawal, Pin : 425201.

No. / Mobile No.: 8291629550

Email : dikshamanwani8@gmail.com

Category (SC/ST/DT/NT/OBC/SBC/Minority/Open) : Open

Educational Background :

Examination	Board / University	Month and Year of Passing	Percentage / GPA / CGPA/SGPI	Rank / Merit
H. S. C.	NASHIK	FEBRUARY-2015	76.15	

THADOMAL SHAHANI ENGINEERING COLLEGE

FIRST YEAR (SEM-I)	MUMBAI	DECEMBER-2016	7.04	
FIRST YEAR (SEM-II)	MUMBAI	MAY-2017	6.81	
SECOND YEAR (SEM-III)	MUMBAI	MAY-2018	6.04	
SECOND YEAR (SEM-IV)	MUMBAI	MAY-2018	5.96	

Details of Participation in Extra-curricular Activities N.C.C./N.S.S./ Adult Education/Cultural Activities/ Sports

1. N.C.C. /Scouts&Guide

Details of the Unit/s where Enrolled : Maharashtra State Bharat Scouts & Guides, Indira Gandhi

Rank at present : "A"

Name of the Institute/College : St. Aloysius High School, Bhusawal

No. of years for which he / she

has undergone Training : Two

Details of Camps Attended (a) Name of Camp : N.A.

(b) Period: From _____ to _____

N.C.C. Examination Passed, if any

Examination : N.A.

Grade : _____

Prizes, Awards, Honours, if any : _____

2. N. S. S. (N. A.)

No. of Hours Completed : _____

Name of Institute/College : _____

Details of Camps Attended (a) Name of Camp : _____

(b) Period: From _____ to _____

Prizes, Awards, Honours, if any : _____

3. Adult Education/Literary Programme (N. A.)

No. of Hours Completed/Period : _____

Detail of Project Completed : _____

Name of Institute / College : _____

Any other information : _____

Prizes, Awards, Honours, if any : _____

THADOMAL SHAHANI ENGINEERING COLLEGE

4. Cultural Activities :

Year of Participation in Inter-Collegiate

Competitions : A. Y. 2016-17, 2017-18 & 2018-2019

Name of Institute / College : 1) Participation in Tree Plantation Drive, Green Army, Initiative by the Government of Maharashtra (2018- 2019)
2) Participation in Group Dance Competition at Vidyalankar Institute of Technology, 2017-2018
3) Participation in Ethical Hacking Workshop held at Thadomal Shahani Engg. College, 2016-17

Information of the Cultural Competitions : Sync'em (Group Dance Competition) at VERVE 2018
Ethical Hacking Workshop organised by IETE-TSEC and MUMBAI CITY

FOOTBALL CLUB

(Details of Prizes at Inter-Collegiate/ Inter-University/ State / Zonal/National/

International Levels) : INTER-COLLEGIATE

Sports : (N.A.)

Year of Partition in Inter-Collegiate

Competitions :

Name of Institute / College :

Information of the Sports Activities :

(Details of Prizes at Inter-Collegiate/

Inter-University/State/Zonal/National/

International Level) :

THADOMAL SHAHANI ENGINEERING COLLEGE

5. Any other Activities / Achievements: CONTINGENT LEADER OF
THE TSEC STUDENTS'
COUNCIL YEAR 2017-2018

I certify that the election of the "SECRETARY" on the Institute/College Students' Council was held in THADOMAL SHAHANI ENGINEERING COLLEGE as per Gazette of Government of Maharashtra, dated Tuesday, November 28, 2017, Maharashtra Ordinance No. XXVIII of 2017 and Letter from the Higher and Technical Education Department, Government of Maharashtra No. बुआमा-२०१७/प्र.क्र.३७६/विशि-३ dated November 30, 2017 and Ms. Diksha Rajesh Manwani of my Institute/College is elected as "SECRETARY" on the institute/College Students' Council of the college. I further certify that the details of Ms. Diksha Rajesh Manwani mentioned above are true and correct and the necessary consent of the Ms. Diksha Rajesh Manwani is obtained for considering her to be nominated on the University Students' Council.



Signature of the Candidate
(To be taken in the presence
Of the Principal/Head of the
Institute)



Seal of the
Institution/ College



Signature of the Head of
the Institute with Seal
PRINCIPAL

THADOMAL SHAHANI ENGINEERING COLLEGE
ADV. NARI GURSAHANI MARG, 37TH ROAD,
(OFF LINKING ROAD), TPS III,
BANDRA (WEST), MUMBAI - 400 050



महाराष्ट्र राज्य माध्यमिक व उच्च माध्यमिक शिक्षण मंडळ, पुणे
Maharashtra State Board of
Secondary and Higher Secondary Education, Pune

नाशिक विभागीय मंडळ / NASHIK DIVISIONAL BOARD

उच्च माध्यमिक प्रमाणपत्र परीक्षा - गुणपत्रक

HIGHER SECONDARY CERTIFICATE EXAMINATION - STATEMENT OF MARKS

शाखा STREAM	आसन क्रमांक SEAT NO.	केन्द्र क्रमांक CENTRE NO.	जिल्हा व उच्च.माध्य.शाळा क्रमांक DIST. & HR.SEC.SCHOOL NO.	परीक्षेचा महिना व वर्ष MONTH & YEAR OF EXAM.	गुणपत्रकेचा अनुक्रमांक SR.NO. OF STATEMENT
SCIENCE	S043517	0752	15.02.015	FEBRUARY-15	097597

उमेदवाराचे संपूर्ण नाव (आडनाव प्रथम) / CANDIDATE'S FULL NAME (SURNAME FIRST)

Manwani Diksha Rajesh

उमेदवाराच्या आईचे नाव / CANDIDATE'S MOTHER'S NAME **Archana**

विषयाचा सांकेतिक क्रमांक व विषयाचे नाव Subject Code No. and Subject Name	*माध्यम Medium	कमाल गुण Max. Marks	प्राप्त गुण / Marks Obtained	
			In Figures	In Words
01 ENGLISH	ENG	100	067	SIXTYSEVEN
40 MATHEMATICS & STATISTICS	ENG	100	079	SEVENTYNINE
54 PHYSICS	ENG	100	054	FIFTYFOUR
55 CHEMISTRY	ENG	100	073	SEVENTYTHREE
C2 ELECTRONICS	ENG	200	175	ONE HUNDRED AND SEVENTYFIVE
31 ENVIRONMENT EDUCATION	ENG	050	047	FORTYSEVEN
30 HEALTH & PHYSICAL EDUCATION (GRADE)	C			
Result / निकाल PASS	Percentage / टक्केवारी 76.15	एकूण गुण / Total Marks	650	495
				FOUR HUNDRED AND NINETYFIVE

H150227597

ATTESTED

Madomal Shohani Engineering College
Bandra, Mumbai - 400050

31 AUG 2018

Dr. G.T. Thampi



5214659505384

(Signature)

महत्वाचे, टीप, आरोग्य व शारीरिक शिक्षण विषयातील विशेष
आणि चिन्हांची माहिती यांचा तपशील यातील पृष्ठावर पहावा.
See overleaf for Important, Notes, Grades in Health &
Physical Education Subject and meaning of special
characters.

विभागीय सचिव / Divisional Secretary



University of Mumbai

GRADE CARD

CCF 5238 0213

NAME : /MANWANI DIKSHA RAJESH ARCHANA
 EXAMINATION : FIRST YEAR ENGINEERING(SEM I)(CBGS)(CHOICE BASE)
 HELD IN : DECEMBER 2016
 SEAT NUMBER : 13103457 REGISTRATION NO. : 16013103457

COURSE CODE	COURSE TITLE	COURSE CREDITS	GRADE			CREDIT EARNED (C)	GRADE POINTS (G)	C X
			ESE/PR/OR	IA/TW	OVERALL			
FEC101	APPLIED MATHEMATICS - I	4 1	C --	B C	C C	4 1	7 7	28 7
FEC102	APPLIED PHYSICS - I	3 0.5	E --	C B	E B	3 0.5	5 8	15 4.0
FEC103	APPLIED CHEMISTRY - I	3 0.5	C --	C O	C O	3 0.5	7 10	21 5.0
FEC104	ENGINEERING MECHANICS	5 1	C O	D O	C O	5 1	7 10	35 10
FEC105	BASIC ELECTRICAL ENGINEERING	4 1	C B	C O	C A	4 1	7 9	28 9
FEC106	ENVIRONMENTAL STUDIES (EVS)	2	P	E	P	2	4	8
FEL101	BASIC WORKSHOP & PRACTICE - I	2	--	O	O	2	10	20
TOTAL		27				27	--	19

ATTESTED
 Thadomal Shahani Engineering College
 Bandra, Mumbai - 400050.
 3 AUG 2018
 Dr. G.T. Thampi
 Principal

Remark : Successful

SGPI : 7.04

CGPI :

Result Declared on : MARCH 07, 2017

Received ₹ 50/-

OFFG. CONTROLLER OF EXAMINATIONS

As per Maharashtra Public Universities Act 2016 Name of "Controller of Examinations"
 changed to "Director Board of Examinations and Evaluation"

University of Mumbai

FORM 23B 5/1/18

GRADE CARD

NAME : /MANWANI DIKSHA RAJESH ARCHANA

EXAMINATION : FIRST YEAR ENGINEERING SEMESTER II (CBCGS)(CHOICE BASE)

HELD IN : MAY 2017

SEAT NUMBER : 13203396

REGISTRATION NO : 16013103457

COURSE CODE	COURSE TITLE	COURSE CREDITS	GRADE			CREDIT EARNED (C)	GRADE POINTS (G)	C X G
			ESE/PR/OR	IA/TW	OVERALL			
FEC201	APPLIED MATHEMATICS - II	4 1	E --	O B	D B	4 1	6 8	24 8
FEC202	APPLIED PHYSICS - II	3 0.5	E --	E C	E C	3 0.5	5 7	15 3.5
FEC203	APPLIED CHEMISTRY - II	3 0.5	D --	B A	D A	3 0.5	6 9	18 4.5
FEC204	ENGINEERING DRAWING	3 2	A O	O A	A A	3 2	9 9	27 18
FEC205	STRUCTURED PROGRAMMING APPROACH	4 1	D D	P C	E C	4 1	5 7	20 7
FEC206	COMMUNICATION SKILLS	2 1	D --	D C	D C	2 1	6 7	12 7.0
FEL201	BASIC WORKSHOP PRACTICE - II	2	--	O	O	2	10	20
TOTAL		27				27	--	184

ATTESTED
Thadomal Shahani Engineering College
Bandra, Mumbai - 400050.
31 AUG 2018
Dr. G.T. Thampi
Principal

Remark : Successful

SGPI : 6.81

CGPI :

Result Declared on : AUGUST 23, 2017

Received ₹ 50/-

Director
Board of Examinations and Evaluation
XXXXXXXXXXXXXXXXXXXX

THADOMAL SHAHANI ENGINEERING COLLEGE

Bandra (West), Mumbai - 400 050.

GRADE CARD

NAME : /MANWANI DIKSHA RAJESH ARCHANA
 EXAMINATION : SECOND YEAR COMPUTER ENGINEERING SEMESTER III
 HELD IN : MAY 2018
 SEAT NUMBER : 172086

COURSE CODE	COURSE TITLE	COURSE CREDITS	GRADE			CREDIT EARNED (C)	GRADE POINTS (G)	C X G
			ESE/PR/ OR	IA/TW	OVERALL			
CSC301	Applied Mathematics - III	5	B	B	B	5	8	40
CSC302	Digital Logic Design And Analysis	4	P	E	P	4	4	16
CSC303	Discrete Structures	4	C	B	C	4	7	28
CSC304	Electronic Circuits And Communication Fundamentals	4	E	B	D	4	6	24
CSC305	Data Structures	4	P	E	P	4	4	16
CSL301	Digital System Lab	1	C	A	C	1	7	7
CSL302	Basic Electronics Lab	1	P	C	D	1	6	6
CSL303	Data Structure Lab	1	P	C	D	1	6	6
CSL304	O O P M (Java) Lab	2	D	O	C	2	7	14
TOTAL		26				26		157

SGPI : 6.04

CGPI : 6.64

REMARK : Successful

ATTESTED
 Thadomal Shahani Engineering College
 Bandra, Mumbai - 400050.

3 AUG 2018

Dr. G.T. Thampi
 Principal

O 229 @ O 5042/O 5043, ** O 5045, + Marks carried; A: Absent; NA: Not applicable; F: Fail; Female: P: Pass
 E: Exemption Can be claimed; WR: Written; TW: Termwork; PR: Practical; OR: Oral; SGPI - Σ (C.G) / Σ (C); N: Dyslexia Benefit

Entered by:

Read by:

In - Charge Examinations

Date : 19/07/2018



Principal

University Of Mumbai

THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE

THADOMAL SHAHANI ENGINEERING COLLEGE

Bandra (West), Mumbai - 400 050.

GRADE CARD

NAME : /MANWANI DIKSHA RAJESH ARCHANA
 EXAMINATION : SECOND YEAR COMPUTER ENGINEERING, SEMESTER IV
 HELD IN : MAY 2018
 SEAT NUMBER : 172086

COURSE CODE	COURSE TITLE	COURSE CREDITS	GRADE			CREDIT EARNED (C)	GRADE POINTS (G)	C X G
			ESE/PR/ OR	IA/TW	OVERALL			
CSC401	Applied Mathematics - I V	5	D	C	D	5	6	30
CSC402	Analysis Of Algorithms	4	D	E	D	4	6	24
CSC403	Computer Organization And Architecture	4	E	P	E	4	5	20
CSC404	Computer Graphics	4	C	P	D	4	6	24
CSC405	Operating System	4	C	P	D	4	6	24
CSL401	Analysis Of Algorithms Lab	1	C	C	C	1	7	7
CSL402	Computer Graphics Lab	1	C	B	C	1	7	7
CSL403	Processor Architecture Lab	1	C	C	C	1	7	7
CSL404	Operating System Lab	1	P	B	D	1	6	6
CSL405	Open Source Tech Lab	2	E	C	D	2	6	12
TOTAL		27				27		16

REMARK : Successful

ATTESTED
 Thadomal Shahani Engineering College
 Bandra, Mumbai - 400050.

CGPI : 6.47

3 AUG 2018

Dr. G.T. Thampi
 Principal

#O.229;@:O.5042/O.5043;**O.5045;+:Marks carried; A:Absent;- NA : Not applicable; F:Fail/:Female; P: Pass
 E : Exemption Can be claimed; WR-Written; TW-Termwork; PR-Practical; OR - Oral; SGPI - $\Sigma (C.G) / \Sigma (C)$; N - Dyslexia Benefit.

Entered by : *[Signature]* Read by : *[Signature]*

In - Charge Examinations

Date : 19/07/2018



Principal



महाराष्ट्र राज्य
भारत स्काउट्स आणि गाईड्स

७९, एफ रोड, मरीन ड्राईव्ह, मुंबई ४०० ०२०.



प्रमाणपत्र



क्रमांक : 60905

दिनांक

प्रमाणित करण्यात येते की,

स्काउट/गाईड Mamunni Diksha Rajesh

युनिट Indira Gandhi

प्रशाला St. Mary's High School Bhurawal

वाने / हिने इयत्ता ९ वी, १० वी स्काउट्स / गाईडचा

अभ्यासक्रम यशस्वीरित्या पूर्ण करूनA..... श्रेणी

प्राप्त केल्याबद्दल हे प्रमाणपत्र देण्यात येत आहे.



युनिट लिडर

मुख्याध्यापक

जिल्हा आयुक्त



APPROVED
Thadomal Shahani Engineering College
Bandra, Mumbai - 400020

1 AUG 2018

Dr. G. P. Thadomal

Scanned by CamScanner



CERTIFICATE OF APPRECIATION

THIS CERTIFICATE IS PRESENTED TO

MS. DIKSHA MANWANI

FOR PARTICIPATING IN TREE PLANTATION DRIVE ORGANISED BY TSEC
IN ASSOCIATION WITH GREEN ARMY, AN INITIATIVE BY MAHARASHTRA
VAN VIBHAG.


DR. ARTI DESHPANDE
GREEN ARMY CO-ORDINATOR
TSEC

ATTESTED
Thadomal Shahani Engineering College
Bandra, Mumbai - 400050
31 AUG 2018

Dr. G.T. Thampi
Principal



DR. G. T. THAMPI
PRINCIPAL
TSEC



VIDYALANKAR INSTITUTE OF TECHNOLOGY

Certificate of Participation

This is to certify that

Diksha Manwani

has participated in Synce'm at **VERVE 2018**,

the Annual Intercollegiate Festival

of **Vidyalankar Institute of Technology**

**Convener,
Student Council**


Principal



 Skynet Secure



CERTIFICATE — OF PARTICIPATION —

This is to certify that Mr./Mrs. Diksha Manwani
participated in the ETHICAL HACKING WORKSHOP
conducted under ELAN'16 organised by IETE - TSEC
and MUMBAI CITY FOOTBALL CLUB.


DATE : 3 SEPTEMBER 2016

ATTESTED

Thadomal Shahani Engineering College
Bandra, Mumbai - 400050

31 AUG 2018

Dr. G.T. Thampi
Principal

 MR. RUSHAB LUHADE

CHAIRPERSON
IETE - TSEC

ELECTED CLASS REPRESENTATIVE ON INSTITUTE/COLLEGE STUDENTS COUNCIL

Date: 31st August, 2018.

CLASS	ELECTED CANDIDATES	PHONE NUMBERS
BE BIOMEDICAL	MR.OMKAR SOLANKEY	8605208127
BE EXTC	MR.SHAH AADITYA MANOJ	7021743523
BE-IT 1	MS.MAHEK RAJESH MATANI ELECTED LADIES REPRESENTATIVE	8806548335
TE BIOMEDICAL	MS. GUPTA ISHITA	9969972582
TE EXTC	MR.ADITYA BHARTIYA	9892005904
TE IT 1	MR.VISHAL PAWAN SOMANI	8369097034
TE-CHEM	MS. SHRADHA RAMANI	8291629551
TE-COM 1	MS.DIKSHA RAJESH MANWANI ELECTED GENERAL SECRETARY	8291629550
SE BIOMEDICAL	MS.APEKSHA N.GURAV	9769605086
SE CHEMICAL	MR.OWAIS KASSAM MERCHANT ELECTED SPORTS SECRETARY	9870167860
SE COMP-1	MS.NEHA JAIPAL ELECTED CULTURAL SECRETARY	8169963196
SE COMP-2	MR.HEMANT D.RAJPAL	9619794710
SE EXTC	MR.PRANAY KUSHNAJI	9920255948
SE IT-1	MS.CHHABRIA PURNIMA MANOJ	8286646549
FE IT-1	MS.ANUSHKA BHAGCHANDANI	8097984068

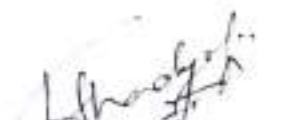
THADOMAL SHAHANI ENGINEERING COLLEGE


ELECTED CLASS REPRESENTATIVE ON INSTITUTE/COLLEGE STUDENTS COUNCIL


THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE

Date: 31st August, 2018.

CLASS	ELECTED CANDIDATES	REMARK
BE BIOMEDICAL	MR.OMKAR SOLANKEY	
BE EXTC	MR.SHAH AADITYA MANOJ	
BE-IT 1	MS.MAHEK RAJESH MATANI	
TE BIOMEDICAL	MS. GUPTA ISHITA	ELECTED LADIES REPRESENTATIVE
TE EXTC	MR.ADITYA BHARTIA	
TE IT 1	MR.VISHAL PAWAN SOMANI	
TE-CHEM	MS. SHRADHA RAMANI	
TE-COM 1	MS.DIKSHA RAJESH MANWANI	ELECTED GENERAL SECRETARY
SE BIOMEDICAL	MS.APEKSHA N.GURAV	
SE CHEMICAL	MR.OWAIS KASSAM MERCHANT	ELECTED SPORTS SECRETARY
SE COMP-1	MS.NEHA JAIPAL	ELECTED CULTURAL SECRETARY
SE COMP-2	MR.HEMANT.D.RAJPAL	
SE EXTC	MR.PRANAY KUSHNAJI	
SE IT-1	MS.CHHABRIA PURNIMA MANOJ	
FE IT-1	MS.ANUSHKA BHAGCHANDANI	


Prof. Kiran Ghadyalji
Chief Election Officer


Prof. Anushree Gupta
Asst. Election Officer


Prof. Dhyanjay Thekedath
Asst. Election Officer


Prof. Mukesh Israni
Asst. Election Officer


PRINCIPAL

Thadomal Shahani Engineering College

Nari Gurshahani Marg, T. P. S. III,

Bandra (W), Mumbai - 400 050




ADVICE: ADVISORY BOARD: 37TH ROAD, (OFF LINKING ROAD), TPS III, BANDRA (WEST), MUMBAI - 400 050, INDIA


Tel. 91 - 22 - 26495808 / 26488830, Fax: 91-22-26053590 • E-mail: gthampic@yahoo.com • Website: www.tsec.edu

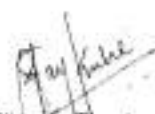
ELECTED CANDIDATE
FOR ELECTION OF SECRETARY (2017-2018)

Date: 31/08/2018

YEAR/ BRANCH	NAME OF CANDIDATE
TE/ COMPI	Ms. MANWANI DIKSHA RAJESH


Prof. Kiran Ghadyalji
Chief Election Officer


Prof. Anushree Gupta
Asst. Election Officer


Prof. Dhananjay Thekedath
Asst. Election Officer


Prof. Mukesh Israni
Asst. Election Officer




PRINCIPAL

Thadomal Shahani Engineering College
Nari Gurshahani Marg, T. P. S. III,
Bandra (W), Mumbai - 400 050.

THADOMAL SHAHANI ENGINEERING COLLEGE

Date : 11th August, 2018**ELECTION NOTICE FOR THE FORMATION OF STUDENT'S COUNCIL FOR THE A.Y. 2018-2019
AS PER THE GAZETTE OF GOVERNMENT OF MAHARASHTRA DATED 28/11/2017,
MAHARASHTRA ORDINANCE NUMBER XXVIII OF 2017.**

Attention all regular students towards Vice-Chancellor directive and MAHARASHTRA ORDINANCE NUMBER XXVIII OF 2017. Subsequent to this elections are called for setting up "STUDENTS COUNCIL".

All students are hereby informed that under direction of University of Mumbai the election programme will follow as follows :

1. Date for Formation of Institute/College Students Council under section (2) (b) 28/08/2018
2. Notification to be issued with the Signature of the Principal Declaring the Names of The Students Nominated on Institute/College Students Council 28/08/2018
3. Last Date to Receive the Nomination Forms for the Election of "SECRETARY" on Institute/College Students Council 29/08/2018 till 4.00 p.m.
4. Scrutiny of the Nomination Forms 29/08/2018 till 4.00 p.m.
5. Last Date and Time to Withdraw the Nomination Form/s 30/08/2018 till 4.00 p.m.
6. Election of the "SECRETARY" on Institute/College Students Council under Section(3) 31/08/2018

For the purpose Election Committee is setup vide letter dated 06/08/2018:

- | | |
|-------------------------------|----------------------------|
| (a) Prof. Kiran Ghadyalji | Chief Election Officer |
| (b) Prof. Anushree Gupta | Assistant Election Officer |
| (c) Prof. Dhananjay Thekedath | Assistant Election Officer |
| (d) Prof. Mukesh Israni | Assistant Election Officer |
| (e) Mr. Premchand S. Rajput | Ministerial Staff |

Office of the Election Committee (Election Desk) is setup in College Office (Room No. 101), New Building.

Election schedule for electing one **Class Representative** from each class for the formation of Students Council of Thadomal Shahani Engineering College :

Sr. No.	Schedule	Date
1	Last Date to receive Nomination Forms for Class Representative	18/08/2018 till 01:00 p.m.
2	Scrutiny of Nomination Forms	20/08/2018
3	Last Date and Time to withdraw the Nomination Forms	23/08/2018 till 12:00 noon
4	Declaration of List of Eligible Candidates	23/08/2018 (04:00 p.m.)
5	Election of the Class Representative	27/08/2018 (10:00 a.m. -12:00 noon)
6	Declaration of Class Representative Election Results	27/08/2018 (05:00 p.m.)

Eligibility Criteria for Class Representative : (As per Statute S.171) attached along with the University Circular No. : SW / 27 / of 2018. (Available at Election Desk, Room No. 101, Office, New Building).

Sample Nomination Form is attached along with this Notice and Available at Election Desk, Room No. 101, Office, New Building.

[Signature]

[Signature]

[Signature]

[Signature]

Residential Address: (Residential) C / 506, Shramya Sadhana Hostel,
Government Colony, Salt Lake, Kolkata - 700 061



THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE

THADOMAL SHAHANI ENGINEERING COLLEGE

Date: 07/02/2018

To,
The Director,
Department of Students' Development,
University of Mumbai,
Vidyapeeth Vidhyarthi Bhavan,
"B" Road, Churchgate,
Mumbai - 400 020

Sir,

This is to inform you that Mr. Akash Sukumar Mishra - bonafide student of **Thadomal Shahani Engineering College** has been duly elected as the "**SECRETARY**" of **Institute/ College Students' Council**, formed under section (2)(b) at the election held on **07/02/2018**. Information in respect of his age, sex, residential address, educational background and extra-curricular activities, etc. is given below:-

Name in full : **Mishra Akash Sukumar Usha**

Class and Division : **Third Year (Information Technology branch of Engineering)**

Roll No : **T21-84** Sex : **Male** Date of Birth : **07/11/1997**

(in words **Seventh November Nineteen Ninety Seven**)

Present Age: **20 Years**

Residential Address : **5-B, 601, Eden Rose, Beverly Park, Mira Road (East),**

Thane - 401107

Tel. No. / Mobile No.: **022 28124569 / 9987421967**

Email : **akash07mishra@gmail.com**

Category (SC/ST/DT/NT/OBC/SBC/Minority/Open) : **Open**

Educational Background :

Examination	Board / University	Month and Year of Passing	Percentage / GPA / CGPA	Rank / Merit
H. S. C.	MUMBAI	FEBRUARY-2015	88.92	
FIRST YEAR (SEM-I)	MUMBAI	DECEMBER-2015	7.33	
FIRST YEAR (SEM-II)	MUMBAI	MAY-2016	7.30	
SECOND YEAR (SEM-III)	MUMBAI	DECEMBER-2016	8.68	



o/c
in hand
8/2/18

THADOMAL SHAHANI ENGINEERING COLLEGE

SECOND YEAR (SEM-IV)	MUMBAI	MAY-2017	7.39	
THIRD YEAR (SEM-V)	MUMBAI	DECEMBER-2017	7.42	

Details of Participation in Extra-curricular Activities N.C.C./N.S.S./ Adult Education/Cultural Activities/ Sports

1. N.C.C. (N.A.)

Details of the Unit/s where Enrolled : _____

Rank at present : _____

Name of the Institute/College : _____

No. of years for which he / she
has undergone Training : _____

Details of Camps Attended (a) Name of Camp : _____

(b) Period: From _____ to _____

N.C.C. Examination Passed, if any

Examination : _____

Grade : _____

Prizes, Awards, Honours, if any : _____

2. N. S. S. (N. A.)

No. of Hours Completed : _____

Name of Institute/College : _____

Details of Camps Attended (a) Name of Camp : _____

(b) Period: From _____ to _____

Prizes, Awards, Honours, if any : _____

3. Adult Education/Literary Programme (N. A.)

No. of Hours Completed/Period : _____

Detail of Project Completed : _____

Name of Institute / College : _____

Any other information : _____

Prizes, Awards, Honours, if any : _____

THADOMAL SHAHANI ENGINEERING COLLEGE

4. Cultural Activities :

Year of Participation in Inter-Collegiate

Competitions

A. Y. 2015-2016

Name of Institute / College

- 1) 1ST PRIZE (STREET PLAY) AT INSTITUTE OF CHEMICAL TECHNOLOGY, 2016.
- 2) 1ST PRIZE (TAMASHA) AT SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE, 2016
- 3) 2ND PRIZE (NUKKAD) AT SARDAR PATEL COLLEGE OF ENGINEERING, FEB-2016.
- 4) PARTICIPATION (ACT ZONE) AT S.P.JAIN INSTITUTE OF MANAGEMENT & RESEARCH, JAN-2016.

Information of the Cultural Competitions : NUKKAD NATAK (STREET
PLAY- DRAMATICS)

(Details of Prizes at Inter-Collegiate/

Inter-University/ State / Zonal/National/

International Levels)

: INTER-COLLEGIATE & INTER –
UNIVERSITY.

Sports :

Year of Participation in Inter-Collegiate

Competitions

: 2012-2013 (SCHOOL LEVEL)

Name of Institute / College

: R. B. K. SCHOOL, MIRA ROAD (E)

Information of the Sports Activities : FOOT BALL

(Details of Prizes at Inter-Collegiate/

Inter-University/State/Zonal/National/

International Level)

: DISTRICT LEVEL

THADOMAL SHAHANI ENGINEERING COLLEGE

5. Any other Activities / Achievements: EVENT CO-ORDINATOR OF
THE TSEC STUDENTS'
COUNCIL YEAR 2016-2017

I certify that the election of the "SECRETARY" on the Institute/College Students' Council was held in **THADOMAL SHAHANI ENGINEERING COLLEGE** as per Gazette of Government of Maharashtra, dated Tuesday, November 28, 2017, Maharashtra Ordinance No. XXVIII of 2017 and Letter from the Higher and Technical Education Department, Government of Maharashtra No. बुआमा-२०१७/प्र.क्र.३७६/विशि-३ dated November 30, 2017 and **Mr. Akash Sukumar Mishra** of my Institute/College is elected as "SECRETARY" on the institute/College Students' Council of the college. I further certify that the details of **Mr. Akash Sukumar Mishra** mentioned above are true and correct and the necessary consent of the **Mr. Akash Sukumar Mishra** is obtained for considering him to be nominated on the University Students' Council.


7/2/18

Signature of the Candidate
(To be taken in the presence
Of the Principal/Head of the
Institute)



**Seal of the
Institution/ College**



PRINCIPAL
THADOMAL SHAHANI ENGINEERING COLLEGE
ADV. NARI GURSAHANI MARG, 37TH ROAD,
(OFF LINKING ROAD), TPS III,
- BANDRA (WEST), MUMBAI - 400 050

अस प्रमाणित कायदायान येने की / This is to certify that

Mishra Akash Sukumar

आईडीए डी / Mother's Name

Usha

विभागीय मंडळ Divisional Board	संकेत क्रमांक Seat No.	केंद्र क्रमांक Center No.	उच्च माध्यमिक शाळा क्रमांक Higher Secondary School No.	प्रमाणपत्राचा अनुक्रमांक Sr. No. of Certificate
MUMBAI	M067271	3776	12 06 001	225177

उच्च माध्यमिक प्रमाणपत्र परीक्षा (२० + २ अंकीय/अनुक्रम)

has passed the HIGHER SECONDARY CERTIFICATE EXAMINATION FEBRUARY 2016
(Order 10 + 2 Pattern)

अलीकडच्या खुलाही दर्जाविलेले विषय व स.२ (नीचे दाखला/दाखली आहे)

in Grade I-DIST with subjects shown below

संकेतिक क्रमांक व विषय Subject Code No. and Subjects	समान गुण Max Marks	in Figures	अस गुण / Marks Obtained In Words
01 ENGLISH	100	083	EIGHTYTHREE
40 MATHEMATICS & STATISTICS	100	090	NINETY
54 PHYSICS	100	081	EIGHTYONE
55 CHEMISTRY	100	081	EIGHTYONE
09 COMPUTER SCIENCE	200	197	ONE HUNDRED AND NINETYSEVEN
31 ENVIRONMENT EDUCATION	050	046	FORTYSIX
30 HEALTH AND PHYSICAL EDN - B			
एकूण गुण / Total Marks	650	578	FIVE HUNDRED AND SEVENTYEIGHT
Percentage	88.92		

CH154225177

3962239226927



Shel

MUMBAI

27-11-2015

अभिषेक शिंदे

Technical Assistant

Tendren & Shahare Engineering Co.
Bandra, Mumbai - 400050

11/11/15

Dr. S. S. Thangaraj

University of Mumbai

GRADE CARD

UOM/REG/2016

NAME

MISHRA ANASHI SURESH

EXAMINATION

FIRST YEAR ENGINEERING SEMESTER (CBGS)

DATE

DECEMBER 2015

SEAT NUMBER

12105050

REGISTRATION NO

15012105050

COURSE CODE	COURSE TITLE	COURSE CREDITS	GRADE			CREDIT EARNED (C)	GRADE POINTS (G)	C.G.P.A.
			ESE/PR OR	IA/TW	OVERALL			
FEC101	APPLIED MATHEMATICS - I	4 1	D --	O O	C O	4 1	7 10	28 10
FEC102	APPLIED PHYSICS - I	3 0.5	C --	B O	C O	3 0.5	7 10	21 5.0
FEC103	APPLIED CHEMISTRY - I	3 0.5	E --	O O	D O	3 0.5	6 10	18 5.0
FEC104	ENGINEERING MECHANICS	5 1	C O	B O	C O	5 1	7 10	35 10
FEC105	BASIC ELECTRICAL & ELECTRONICS ENGG	4 1	D O	O O	C O	4 1	7 10	28 10
FEC106	ENVIRONMENTAL STUDIES (EVS)	2	E	P	P	2	4	8
FEC107	BASIC WORKSHOP & PRACTICE - I	2	--	O	O	2	10	20
TOTAL		27				27	--	

ATTESTED
Thadomal Shahani Engineering College
Bandra, Mumbai - 400050.
07 FEB 2017
Dr. G.T. Thampi
Principal

Result Successful

SGPI: 7.33

CGPI:

Result Declared on: FEBRUARY 19, 2016

Received by

OFFG. CONTROLLER OF EXAMINATIONS

id) C / 506, Shrama Sadhana Hostel,
it Colony, Subhash Nagar, Bandra (East),
100051.

adence) 57/58, Sant Kanwarram Chowk,

University of Mumbai

CCF 238 0260

GRADE CARD

NAME : MISHRA AKASH SUKUMAR USHA
EXAMINATION : FIRST YEAR ENGINEERING SEMESTER II (CBGS)
HELD IN : MAY 2016
SEAT NUMBER : 12204846 REGISTRATION NO. : 16512204846

COURSE CODE	COURSE TITLE	COURSE CREDITS	GRADE			CREDIT EARNED (C)	GRADE POINTS (G)	C X G
			ESE/PR/ OR	IA/TW	OVERALL			
FEC201	APPLIED MATHEMATICS - II	4 1	C —	A O	C O	4 1	7 10	28 10
FEC202	APPLIED PHYSICS - II	3 0.5	E —	C B	D B	3 0.5	6 8	18 4.0
FEC203	APPLIED CHEMISTRY - II	3 0.5	C —	O O	C O	3 0.5	7 10	21 5.0
FEC204	ENGINEERING DRAWING	3 2	B O	O C	B A	3 2	8 9	24 18
FEC205	STRUCTURED PROGRAMMING AP PROACH	4 1	P B	O O	E O	4 1	5 10	20 10
FEC206	COMMUNICATION SKILLS	2 1	P —	B A	E A	2 1	5 9	10 9.0
FEL201	BASIC WORKSHOP PRACTICE - II	2	—	O	O	2	10	20
TOTAL		27					27	197.0

ATTESTED
Thadomal Shahani Engineering College
Bandra, Mumbai - 400050.

JUN 2017

Dr. G.T. Thampi
Principal

Remark : Successful

SGPI :

7.30

Result Declared on : JULY 18, 2016

Received ₹ 50/-

CONTROLLER OF EXAMINATIONS

THADOMAL SHAHANI ENGINEERING COLLEGE

Bandra (West) Mumbai - 400 050

GRADE CARD

NAME : MISHRA AKASH SUKUMAR USHA
 EXAMINATION : SECOND YEAR I.T. ENGINEERING SEMESTER III
 HELD IN : DECEMBER 2016
 SEAT NUMBER : 161080

COURSE CODE	COURSE TITLE	COURSE CREDITS	GRADE			CREDIT EARNED (C)	GRADE POINTS (G)	C X G
			ESE/PR/OR	IA/TW	OVERALL			
SEITC301	Applied Mathematics - I & II	4	O	A	O	4	10	40
		1	-	O	O	1	10	10
SEITC302	Data Structure And Algorithm Analysis	4	O	C	O	4	10	40
		1	O	O	O	1	10	10
SEITC303	Object Oriented Programming Methodology	4	D	O	C	4	7	28
		1	O	O	O	1	10	10
SEITC304	Analog And Digital Circuits	4	B	O	A	4	9	36
		1	O	O	O	1	10	10
SEITC305	Database Management Systems	3	C	C	C	3	7	21
		1	O	O	O	1	10	10
SEITC306	Principles Of Analog And Digital Communication	3	D	O	D	3	6	18
		1	O	O	O	1	10	10
TOTAL		28				28		243

REMARK :

Successful

SGPI : 8.68

CGPI : 7.78

Dr. G.T. Thambi
Principal

50229 (Q) 1, 50429 (Q) 5041 TO 5043 - Marks carried. A - Absent - NA - Not applicable. F - Fail Female. P - Pass
 E - Exemption Carried. WR - Written. TP - Termwork. PR - Practical. OR - Oral. SGPI - $\Sigma (C \times G) / \Sigma (C)$. N - Dyslexia Benefit

PLACE MARKS

DATE

24 JAN 2017

Signature of

Signature of



Principal

University Of Mumbai
THADOMAL SHAHANI ENGINEERING COLLEGE
Bandra (West), Mumbai - 400 050.

GRADE CARD

NAME : MISHRA AKASH SUKUMAR USHA
EXAMINATION : SECOND YEAR I.T. ENGINEERING SEMESTER III
HELD IN : DECEMBER 2016
SEAT NUMBER : 161080

SEAT NUMBER		: 161080						
COURSE CODE	COURSE TITLE	COURSE CREDITS	GRADE			CREDIT EARNED (C)	GRADE POINTS (G)	C X
			ESE/PR/ OR	IA/TW	OVERALL			
SEITC301	Applied Mathematics - I I I	4	O	A	O	4	10	40
		1	-	O	O	1	10	10
SEITC302	Data Structure And Algorithm Analysis	4	O	C	O	4	10	40
		1	O	O	O	1	10	10
SEITC303	Object Oriented Programming Methodology	4	D	O	C	4	7	28
		1	O	O	O	1	10	10
SEITC304	Analog And Digital Circuits	4	B	O	A	4	9	36
		1	O	O	O	1	10	10
SEITC305	Database Management Systems	3	C	C	C	3	7	21
		1	O	O	O	1	10	10
SEITC306	Principles Of Analog And Digital Communication	3	D	O	D	3	6	18
		1	O	O	O	1	10	10
		TOTAL	28			28		

ATTESTED

Thadomal Shahani Engineering College

Bandra, Mumbai - 400050

10/11/2023

REMARK :

Successful

SGPI : 8.68

CGPI : 7.78

Dr. G.T. Thampi
Principal

0.229; @ 0.5042; O 5043; * 0.5045; + Marks carried; A Absent; - NA : Not applicable; F Fail/ Female; P Pass

E : Exemption Can be claimed; WR-Written; TW-Termwork; PR-Practical; OR - Oral; SGPI - $\Sigma (C.G) / \Sigma (C)$; N - Dyslexia Benefit

PLACE : MUMBAI

DATE :

24 JAN 2017

Entered by :

Read by :



Principal

D. C. - 506, Shram Sadhana Hostel,
it Colony, Subhash Nagar, Bandra (East),
400051.

University Of Mumbai



SHADOMAL SHAHANI ENGINEERING COLLEGE

Bandra (West), Mumbai - 400 050.

GRADE CARD

NAME : MISHRA AKASH SUKUMAR USHA
EXAMINATION : SECOND YEAR I.T. ENGINEERING SEMESTER IV
HELD IN : MAY 2017
SEAT NUMBER : 161080

COURSE CODE	COURSE TITLE	COURSE CREDITS	GRADE			CREDIT EARNED (C)	GRADE POINTS (G)	C X G
			ESE/PR/ OR	IA/TW	OVERALL			
SEITC401	Applied Mathematics - I V	4	C	D	C	4	7	28
		1	-	C	C	1	7	7
SEITC402	Computer Networks	4	D	D	D	4	6	24
		1	O	D	B	1	8	8
SEITC303	Computer Organization & Architecture	3	C	B	C	3	7	21
		1	O	O	O	1	10	10
SEITC404	Automata Theory	3	C	P	D	3	6	18
		1	-	D	D	1	6	6
SEITC405	Web Programming	4	C	C	C	4	7	28
		1	O	A	O	1	10	10
SEITC406	Information Theory And Coding	4	O	O	O	4	10	40
		1	-	C	C	1	7	7
<div>ATTESTED Thadomal Shahani Engineering College</div>						28		207

REMARK : Successful

SGPI 7.39

CGPI : 7.68

TOTAL TESTED
Shadomal Shahani Engineering College
Bandra, Mumbai - 400050.

07 FEB 2017

Dr. G.T. Thampi
Principal

O 229 @: O 5042/O 5043, **O 5046, + Marks claimed; A: Absent; NA: Not applicable; F: Fail/Female; P: Pass
E: Exemption Can be claimed; WR: Written; TW: Term Work; PR: Practical; OR: Oral; SGPI - I (C.G.) / I (C); N - Dyslexia Benefit.

PLACE : MUMBAI

DATE : 12.11.2017

Entered by :

Read by :



Principal



INSTITUTE OF CHEMICAL TECHNOLOGY
ELITE STATUS AND CENTER OF EXCELLENCE - GOVERNMENT OF MAHARASHTRA
(DEEMED UNIVERSITY UNDER SECTION 3 OF UGC ACT 1956)

Certificate of Merit

Proudly presented to

Akash Mishra

for securing 1st place in the event

Street Phy during MANZAR 2016

at Institute of Chemical Technology, Mumbai- 400 019.

G. D. Yadav

Prof. Dr. G. D. Yadav
Vice-Chancellor, ICT

S. S. Bhagwat

Prof. S. S. Bhagwat
Vice President,
Technological Association, ICT



Dr. S. T. Mhaske
Thadomal Shahani Engineering College
Bandra, Mumbai - 400050.

CONVENEES MANZAR 2016

17 FEB 2017

Dr. G. T. Thamp



SYMBIOSIS INSTITUTE OF TECHNOLOGY

संयुक्त प्रौद्योगिकी



Certificate of Merit

This is to certify that AKASH MISHRA has participated and won
the 1st prize in the event TAMASHA

in Reverb' 16, Annual Techno-Cultural fest of
Symbiosis Institute Of Technology, Pune



[Signature]
21/18

ATTESTED
Thadomal Shahani Engineering College
Bandra, Mumbai - 400050
17 FEB 2018
Dr. G.T. Thampi
Principal

[Signature]
DR. NEERU BHAGAT

Dr. Neeru Bhagat
Head Cultural & Social Activities



Bharatiya Vidyapeeth

SARDAR PATEL COLLEGE OF ENGINEERING

A Government Aided Autonomous Institute Affiliated to University of Mumbai



CERTIFICATE OF EXCELLENCE

This is to certify that Mr./Ms. Akash Mishra
was awarded 1st Prize/2nd Prize/3rd Prize for performing at the event Nukkad
organized during SPACE 2016 from 26th-28th Feb, 2016.

Shyamlee Solanki

Dr. Shyamlee Solanki
CHAIRPERSON
STUDENT WELFARE COMMITTEE

Dr. P. H. Sawant
7/2/18

Dr. P. H. Sawant
PRINCIPAL
SARDAR PATEL COLLEGE OF ENGINEERING

ATTESTED

Thadomal Shahani Engineering College
Bandra, Mumbai - 400050

17 FEB 2017

Dr. G.T. Thampi
Principal



CERTIFICATE OF PARTICIPATION

This is to certify that

Akash Mishra

participated in the Event Art Zone at Ojas 8.

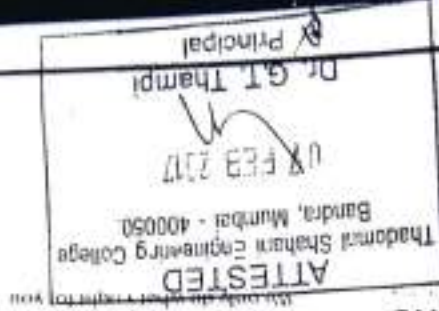
the Annual Management & Cultural fest of SPJMR, Mumbai
held between 23rd to 25th January, 2016



JustRide

63 moons

TATA CAPITAL



Swapanil Buxy
(Convenor, Ojas 8)

Debasis Malik
(Faculty Head, Ojas 8)

7/2/18

जिल्हा क्रीडा अधिकारी कार्यालय, ठाणे

प्रमाणपत्र

असे प्रमाणित करण्यात येते की, आकाश बुकुमार मिश्रा यांना १४ मार्च २०१७ रोजी मिरा भाईंदर म.न.पा. जिल्हास्तरीय शास्त्रीय फुटबॉल च ३३ (प्रथम) स्तरावरील घेतलेला/प्राविण्य प्राप्त करून घ्यावा याद्वारे कोटी इयत्ता ११ ची प्रवेशावधी कोटी कोट्यातून प्रवेश घेण्यास पात्र समजण्यात यावी

स्थळ : ठाणे
दिनांक : १७/११/१७



(रमेश) निजामपल्ले
जिल्हा क्रीडा अधिकारी
ठाणे

ATTESTED
Thadomal Shahani Engineering College
Bandra, Mumbai - 400050.
17 FEB 2017
Dr. G.T. Thampi
Principal



Thadomal Shahani Engineering College

THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE

Certificate of Excellence

This is to certify that
Akash Mishra
has excelled as
Event Coordinator
of the TSEC Students' Council
for the year 2016-2017

Akash
7/2/17

Mani Roja

G.T. Thampi

ATTESTED
Thadomal Shahani Engineering College
Bandra, Mumbai - 400050

Dr. Mani Roja
Dean, Students' Affairs

Dr. G.T. Thampi
Principal

6 FEB 2017

THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE

THADOMAL SHAHANI ENGINEERING COLLEGE

LIST OF ELECTED CANDIDATES FOR STUDENT COUNCIL - ELECTION (2017-2018)

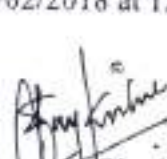
Date: 31/01/2018

YEAR/ BRANCH	NAME OF CANDIDATE
FE / A	-----
FE / B	-----
FE / C	-----
FE / D	MR. HRIDAY ANUP PUROHIT
FE / E	MR. MEET JITENDRA MERCHANT
FE / F	-----
FE / G1	MR. OWAIS KASSAM MERCHANT
FE / G2	MS. APEKSHA NANDAKUMAR GURAV
SE/ COMP 1	-----
SE/ COMP 2	-----
SE/ IT 1	-----
SE/ IT 2	MR. ASHUTOSH PANDEY
SE/ EXTC	MR. ZAID SHAIKH
SE/ CHEM	MS. SHARDHA RAMANI
SE/ BIOMED	-----
SE/ BIOTECH	-----
TE / COMP1	MS. SHIVANI SUNIL HANJI
TE/ COMP 2	MR. PAWAN PUNJABI
TE/ IT 1	MR. ANKIT CHAURASIA
TE/ IT 2	MR. AKASH SUKUMAR MISHRA
TE/ EXTC	MR. AADITYA M. SHAH
TE/ CHEM	MR. TANMAY PADWAL
TE/ BIOMED	MS. RASHI GUPTA
TE/ BIOTECH	MS. ASHIKA SARAF
BE/ COMP 1	MR. PARTH WADHWA
BE/ COMP 2	MR. MOHIT KETAN CHANDARANA
BE/ IT 1	MR. KIRTI KEDIA
BE/ IT 2	-----
BE/ EXTC	MR. ROHAN RAM VASWANI
BE/ CHEM	-----
BE/ BIOMED	MS. BHAVI KETAN SHAH
BE/ BIOTECH	-----

Note: The elected class representatives meeting is scheduled on 01/02/2018 at 12:15 PM in Principal's office.


Prof. Kiran Ghadyalji
Chief Election Officer


Dr. Mani Roja M. Edinburg
Assistant Election Officer


Prof. Dhananjay Thekedath
Assistant Election Officer



Correspondence
Karnal, India

KARNAL SHAHANI ENGINEERING COLLEGE

TRIPURA SHAHANI
TSEC
TRIPURA SHAHANI

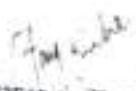
ELECTED CANDIDATE
FOR ELECTION OF SECRETARY (2017-2018)

Date: 07/02/2018

YEAR/ BRANCH	NAME OF CANDIDATE
TE/ IT 2	Mr. AKASH SUKUMAR MISHRA


Prof. Kiran Ghadyalji
Chief Election Officer


Dr. Mani Raja M. Edinburgh
Assistant Election Officer


Prof. Dhanraj Thekedath
Assistant Election Officer



SILVER JUBILEE
TSEC
1983-2008

THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE

THADOMAL SHAHANI ENGINEERING COLLEGE

CONGRATULATIONS

08.03.2019

Dear Students,

TSEC Awards day will be celebrated on 13th March 2019 at 1.30 PM. Students can bring their parents for the award ceremony.

K.M Kundani Gold Medal winner - Ms. Persis Shah

Barrister H.G. Advani Gold Medal Winner- Mr.Ishan Raina

Principal Award of Excellence Award winners

1. Kondamundi Sarat Srikala	5. Gauri Jamsandekar	9. Sagar Shah
2. Simran Kukreja	6. Nikhil Palande	10. Aadhar Gautam
3. Neha Makhija	7. Tanmay Padwal	11. Shubham Singh
4. Pranita Rao	8. Jatin Hemwani	12. Venkata Subramanian

Hall of Fame Award winners

1. Vrajesh Sharma	8. Vihang Jumle	13. Vivek Patel
2. Karan Sharma	9. Aditi Desmuck	14. Raj Bathija
3. Digvijay Ghotane	10. Kitu Purnia	15. Shreyas Gujar
4. Rashi Gupta	11. Nimesh Sule	16. Neeral Naresh Mulchandani
5. Parimal Joshi	12. Rohit Singh	17. Ruchika Mulchandani
6. Arshit Chabukswar		18. Karishma Makhija
7. Akash Mishra		19. Siddharth Menon

* Award Ceremony Invitation for parents can be collected from room No.706 from 8th March 2019 to 12th March 2019 .

** IF any spelling mistakes, please get it corrected in Room no.706 before 9th march 2019

Dr.G.T.Thampi
Principal



THADOMAL SHAHANI ENGINEERING COLLEGE

CONGRATULATIONS

08.03.2019

Dear Students,

TSEC Awards day will be celebrated on 13th March 2019 at 1.30 PM. Students can bring their parents for the award ceremony.

Leadership Award Winners

1. Ruchika Mulchandani	12. Akash Mishra	22. Pavandeep Chadha
2. Mahek Rajesh Matani	13. D. Pranita Rao	23. Sagar Shah
3. Gauri Jamsandekar	14. Aditi Kathin	24. Prithvi Hardasani
4. Harsh Belani	15. Avish Porwal	25. Siddhart Menon
5. Mohak Manghirmalani	16. Abhishek Pande	26. Sakshi Samant
6. Neha Makhija	17. Nitesh Ratnani	27. Tanya Omprakash Gupta
7. Kaustubh Khavnekar	18. Shardul Prabhu	28. Yashil Kalyani
8. Tanmay Padwal	19. Neeraj Khadagade	29. Varun Bhavnani
9. Chirag Ostwal	20. Simran Kukreja	30. Pourus V. Wani Deshmukh
10. Varun Shenoy	21. Mauri Notani	31. Dhanush Mukhi
11. Harsh Tulsiani		32. Fahd Patel

TSEC AMBASSDORS Award Winners

Chemical	Computer Engineering	IT
1. Nandita Chattopadhyay	1. Monil Shah	1. Akash Mishra
2. Roushan Singh	2. Sakshi Gupta	2. Shubham Singh
3. Shardul Prabhu	3. Richa Doshi	3. Persis Shah
4. D. Pranita Rao	4. Anuj Jain	4. Farheen Chougole
Bio Tech	5. Aswathy Menon	5. Shivani Wadkar
1. Ruchita Rane	6. Raina Bangani	6. Ronal Chouhan
2. Alishka Garg	7. Sakshi Samant	EXTC
3. Apoorva Patil	Bio Medical	1. Ishan Raina
	1. Priyanka Fernandez	2. Tanvi Shivgan
	2. Faizah Ansari	3. Kartik Kothari
	3. Rashi Gupta	4. Vrajesh sharma

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CONGRATULATIONS

08.03.2019

Dear Students,

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Best NSS Volunteer Awards

<u>A.Y. 2018-19:</u>	Male: Oveshahmed Patel & Sankalp Sharma	Female: Komal Aswani
<u>A.Y. 2017-18:</u>	Male: Soham Kanvinde	Female: Richa Doshi
<u>A.Y. 2016-17:</u>	Male: Bhavik Arya	Female: Mahima Khathuria

UBA Student Coordinator (Unnat Bharat Abhiyan)
Romil Shah

TSEC Council Members

1. Diksha Rajesh Manwani - GS
2. Neha Jaitpal - CS
3. Mahek Rajesh Mathani- LR
4. Owais Kassam Merchant –Sports Secretary

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Dr.G.T.Thampi
Principal

THADOMAL SHAHANI ENGINEERING COLLEGE

TSEC Student Council -2020

Post	Name	Contact No
General Secretary	Vinit Vinod Soni	9167532959
Cultural Secretary	Aditi.N.Shirodkar	7045888505
Ladies Representatives	Meet Merchant Pearl Jain	9769755118 9167128174
Magazine Secretary	Prithvi Punjabi	9619446422
Sports Secretary	Pratik Singh	9004437476



Dr. G.T. Thampi

THADOMAL SHAHANI ENGINEERING COLLEGE

Congratulations to all Winners

29/02/2020

TSEC Ambassadors

Branch	Names
Computer	<ol style="list-style-type: none"> 1. Ashay Changwani 2. Moksh Jain 3. Priya Gaianchandani 4. Ankita Kar 5. Shruti Naik 6. Amisha Gyani 7. Saisha Chabria 8. Juhi Gaianani
IT	<ol style="list-style-type: none"> 1. Krishna Dubey 2. Pratik Choudhary 3. Komal Aswani 4. Anuj Shah 5. Hiba Husain 6. Mahima Gupta 7. Anezka Virani 8. Krish Shah
EXTC	<ol style="list-style-type: none"> 1. Eeshita Sai Pittala 2. Himabindu Reddy Bollavaram 3. Simran Saxena
Chemical	<ol style="list-style-type: none"> 1. Disha Dhadd 2. Uday Mhapsekar 3. Yash Pathari 4. Prachi Joshi
Biomedical	<ol style="list-style-type: none"> 1. Riya Shetty 2. Ishita Gupta
Biotech	<ol style="list-style-type: none"> 1. Deepakshi Kasat 2. Rakshita Pathak

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Datta

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THADOMAL SHAHANI ENGINEERING COLLEGE

TSEC Hall of Fame

Name	Name	Name
1. Riya Shetty	8. Mitesh Chauhan	15. Natasha Lalwani
2. Mitul Champaneri	9. Aditya Bhartia	16. Sachin Vaishya
3. Mohit Budhwani	10. Apurva V. Chaubal	17. Deevanshu Khatri
4. Saurabh Ramakant Chavan	11. Diksha Manwani	18. Harshit Gupta
5. Mayuri Rane	12. Radhika Khator	19. Sanjay Rej
6. Ruchira Patil	13. Yuvraj Chettri	20. Ankita Kar
7. Anju R. Padia	14. Raj Bohra	21. Moksh Rajesh Jain
		22. Shriya Shetty

TSEC Gold Medal ~~Male~~- Short Listed Candidates

Male- Short Listed Candidates	Female- Short Listed Candidates
1. Prithveeraj Wavre	1. Nivedita N. Lodha
2. Jai Mansukhani	2. Amisha Gyani
3. Anirudh Poroorkara	3. Miloni Vasa
4. Aadil Mukhi	4. Saisha Chhabria
5. Krishna Dubey	5. Simran Saxena
6. Uday Mhapsekar	6. Disha Dhadd

TSEC Leaders

Name	Name	Name
1. Vinit Santani	8. Sidhi Anil Pawar	15. Chinmay Umrikar
2. Mitesh Chauhan	9. Krishna Dubey	16. Haren Bhatia
3. Rahul Tawde	10. Hiba Altaf Hussain	17. Neelraj Patil
4. Urmi Jethani	11. Sachin Vaishya	18. Kunal Desai
5. Prachi Dalal	12. Komal Aswani	19. Anirudh P.
6. Anuj Shah	13. Rutuja Pawar	20. Nivedita Lodha
7. Diksha Manwani	14. Deepanshu Sukhija	21. Ankita Kar

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TSEC ENVOYS

Information Technology:	Computer	Name EXTC
1. Nivedita Lodha	1. Jai Mansukhani	1. Rhivu Mitra
2. Miloni Vasa	2. Jay Shah	2. Himabindu Reddy.B
3. Komal Aswani	3. Eashan Bajaj	3. Lisha Jain
4. Hiba Hussain	4. Vanita Lalwani	4. Aditya Bhartia
5. Kunjan Chauhan	5. Deepak Wadhwani	5. Khan Usama Nisar
6. Varsha Bhatia	6. Amisha Gyani	
7. Mahima Gupta	7. Dheepanshu Sukhija	Chemical:
8. Anezka Virani	8. Aditi Kankani	1. Hrishikesh Gandhi
9. Sailesh Chugh	9. Samvit Patankar	2. Rishabh Sharma
10. Mitul Champaneri	10. Simran Mansharamani	3. Prachi Joshi
11. Vishal Somani	Biomedical	4. Aakansha Nandagave
12. Neelraj Patil	1. Ishita Gupta	5. Snehal Wani
13. Divakar Pandey	2. Shriya Shetty	
	3. Tejal Rajendra Kangane	Biotechnology:
	4. Riya Shetty	1. Deepakshi K
	5. Saif Sayed	2. Aishwarya Chettiar
		3. Bhairavi Savur


Dr. M. Mani Roja

Dean , Student affairs


Dr. G. T. Thampi

Principal

PRINCIPAL
Thadomal Shahani Engineering College
Nari Gurehshani Road, N. P. Road,
Bandra (W), Mumbai - 400 050

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