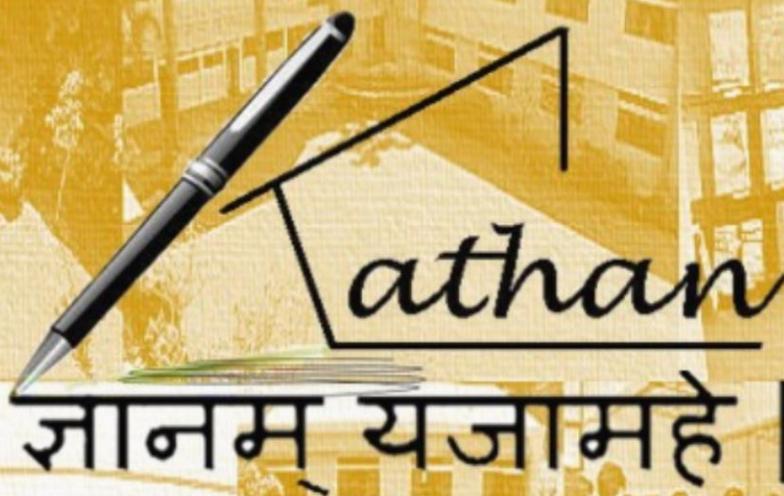




SHROFF S.R. ROTARY INSTITUTE OF CHEMICAL TECHNOLOGY

A black pen is shown writing the name 'athan' in a cursive script. The pen is positioned diagonally across the text, with the tip pointing towards the bottom left. The background of this section is a collage of images showing the institute's buildings and a library.

athan

ज्ञानम् यजामहे ।

25TH ISSUE

KATHAN – EDITORIAL BOARD

SNEHAL LOKHANDWALA [**PRINCIPAL**]

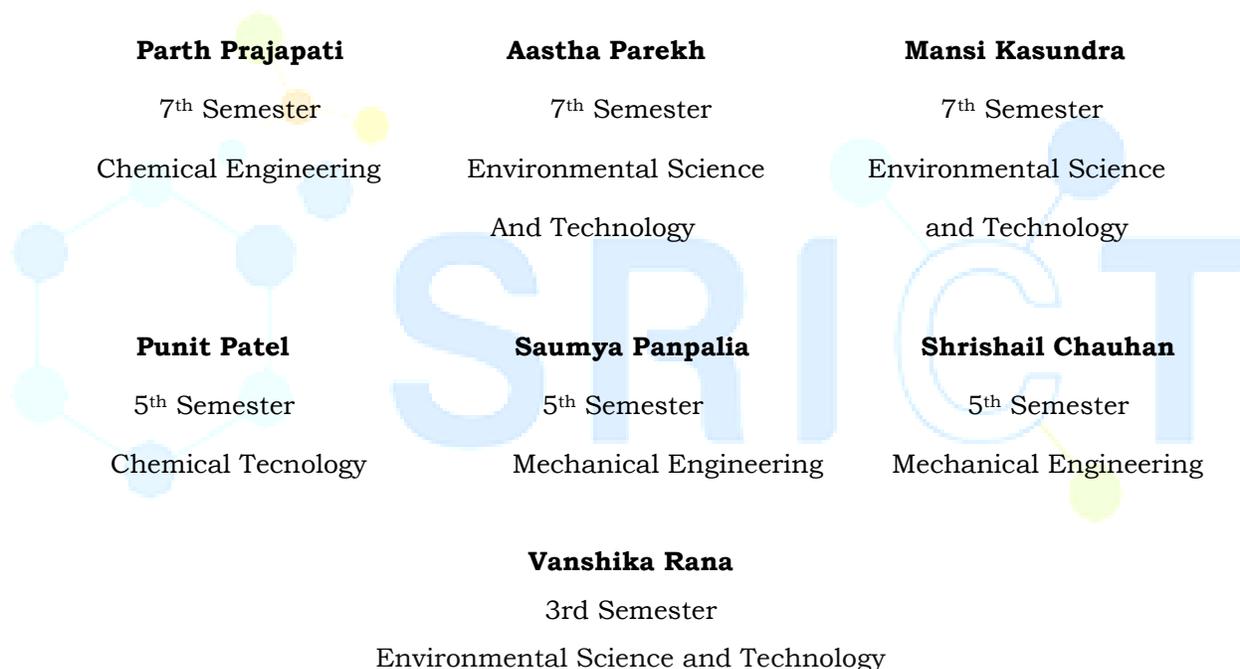
PRABIR CHANDRA PADHY

AMIT GALPHADE

ANJALI NAIR

AKASHLINA BHATTACHARYA

Especially thankful for the enthusiastic and dedicated efforts of:-



ANKLESHWAR ROTARY EDUCATION SOCIETY

Chairperson: Sandra R. Shroff
Vice Chairman: Ashok A. Panjwani
Secretary: Angiras H. Shukla
Treasurer: Kishore S. Surti

EDITORIAL BOARD MESSAGE

It gives us immense great pleasure to put 25th issue of Kathan in your hands. The journey of Kathan continues and we have reached a milestone of 25th issue. This has been fantastic journey. It has been indeed great pleasure to be part of SRICT and Kathan has grown along with SRICT. Growth of SRICT is also mirrored in Kathan. We hope that this journey keeps on continuing like this and both SRICT and Kathan grow and reach new heights.

Coming back to the issue, as always, this issue gives the glimpses of the activities at SRICT. The current semester has been packed with lot of exciting activities and events and a lot to come. SRICT is moving forward and is gaining the speed.

We value your feedback and once again would like to thank all those who have taken pain to make it stand where it is today and have been our guide over the journey. To finish, we would like to present one small story.

This story is from Italy. It took place a long time ago. Once there was a small business man. Because of his dire needs, he had to take loan from loan-shark. This loan shark was old man with highly unattractive and greedy personality. The small business owner had a beautiful daughter and unfortunately loan shark was interested in her.

Now it happened that the small business owner could not pull off the loan as he could not earn sufficient profit. This was the opportunity that loan shark was waiting for. He made a proposal to small business owner that he would wipe out all the loan if he allowed him to marry his daughter. Needless to say, this proposal was met with a look of disgust.

The loan shark was smart so he said that he would make one further proposal. He would put all white and black pebbles in the bag and would ask the girl to pick out. If she would pick out white pebble, all the loan would be wiped clean and also she would not have to marry him. If she would pull out black pebble, all the loan would be wiped and she would have to marry him.

The daughter agreed to the new proposal. So all three went out in the open. Few of the people loitering there gathered over to see what was going on. Loan shark bent down and picked up two pebbles such that no one could see what he was doing. He actually picked two black pebbles and put them in the bag. However, girl watched what he had done.

Now she had three options.
Refuse to pick a pebble from the bag.

Take both pebbles out of the bag and expose the loan-shark for cheating. Pick a pebble from the bag fully well knowing it was black and sacrifice herself for her father's freedom.

Well she did none of the above. She actually picked up one pebble out of the bag and 'accidentally' dropped it on the ground and said "oh how clumsy of me. I dropped the pebble. But I think, we can still get our answer as the remaining one would be the one I did not choose." The pebble left in the bag is obviously black, and seeing as the loan-shark didn't want to be exposed, he had to play along as if the pebble the daughter dropped was white, the loan shark needed to clear her father's debt now.

So remember there is always a way, no matter how impossible it may look.

Happy reading.



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MESSAGE FROM PRINCIPAL



Dr. Snehal Lokhandwala

It gives me immense pleasure to pen a few words as prologue to our in-house magazine 'KATHAN' exclusively meant for churning out the latent writing talent which bears immense potentiality of sharpening communication skill as part of overall personality development. I congratulate all the contributors and the editorial board for bringing out such a beautiful magazine.

Empowerment of students for their all-round development through education is our cherished motto. Today, education means much more than merely acquiring knowledge. It is acquisition of knowledge and skills, building character and improving employability of our young talent, the future leadership. I am sure, with painstakingly developed SRICT academic culture, we imbibed a strong foundation to march ahead and achieve the educational objectives for a stronger and brighter India. Measures initiated by the Hon. Management, steps taken by the college administration, the willing contribution of the teaching and non-teaching staff and overwhelming response and enthusiastic participation of my dear students in the college activities all vouch for this. When all the constituents come together and work in unison, the expected results are bound to flow.

I am proud of being the Principal of such a wonderful institution dedicated to the causes of better India. Through education and their real empowerment, come on let's give our best and make this institution a modern temple of learning through our diligence, devotion and dedication. We wish the best for all our students, and the members of the institution who reiterate their aims at providing the best in academic and extra-curricular fields. We must believe that success is inevitable where these exist- Foresightedness, Firm Determination, Hard work and Discipline. My dear students, you are assured that you will be proud of yourself as a confident and successful technocrat after Four years at SRICT.

"We share because we care"

Journey of SRICT

Ankleshwar is Asia's leading Chemical industrial hub. Almost all the major names in Chemical and allied industries are present in Ankleshwar, GIDC. In order to cater to the needs of Chemical Industries, Shroff S.R. Rotary Institute of Chemical Technology was started. The first batch took admission in the year 2011. The college is approved by AICTE and affiliated to Gujarat Technological University. SRICT has grown over past few years under the able guidance of Honorable Management and has gone from strength to strength and has become one of the top colleges in Gujarat.

While doing so, SRICT has always strived to make sure that the students passing out from this campus must always be industry ready and dynamic personnels. Some of the highlights of SRICT's journey over the years are as given below. Also, throughout the issue, the glimpses of the journey are shown.

- SRICT was established in 2011. It is the first institute in Gujarat that offers BE in branches like EST & CT and also in the field of CE, ME & EE.
- The Chemical technology program at GTU which is being carried out in SRICT is designed to lay sound foundation in basic sciences and chemical engineering- such as separation processes, chemical reaction engineering, transport phenomena, chemical engineering economics, instrumentation and process control. Along with basic sciences and Chemical Engineering, the branch of Chemical Technology encompasses different kinds of subjects from Pharmaceutical Technology, Polymer & Rubber technology, Dyes & Pigments Technology and Glass & Ceramics Technology. The program is first of its kind in Gujarat with basic syllabi the same for both Chemical Engineering and Chemical Technology courses, including mathematics and computation.
- It is managed by Ankleshwar Rotary Education Society. The institute is affiliated with GTU and approved by AICTE. SRICT aims to provide the highest quality education experience & strives to develop top leaders required by chemical & allied industries.
- SRICT offers full time PG courses for ME & CE branch which are approved by AICTE, New Delhi and Gujarat Technological University (GTU), Ahmedabad.
- SRICT is the first college in Gujarat which is 5S Certified by National 5s Conclave –QCFI-Chennai.
- EPC, PSD and Paint Technology courses are offered to the students apart from GTU syllabus.
- SRICT offers excellent hostel facilities for boys and girls inside the college campus. Industry funded research work is carried out by faculty members and students in SRICT.

- SRICT is committed to produce a well-trained technical work force for industry through its industry focused teaching methodology. The regular academics of teaching the University prescribed syllabus is harnessed with regular industry visits in every semester. This essentially educates students from practical view point and allow them to correlate theory with practice. We consider, imparting the practical knowhow is really the most needed part of their academic life. We send our students of every stream to different industries for visit. Generally, three visits are arranged in every semester. This helps them understand the real world practical aspects of studies.
- Also, experts from industries share their practical experience with students on a continual basis through Expert Lectures organized by every Department. Four such Expert Lectures are arranged every semester for each class. This activity not only brings industry closer to the institute which helps students know real life problems, but it also increases interaction with industry which helps them in industry training, project execution, and placement via on-campus interviews.
- A number of Innovative methodologies are executed in SRICT to improve the performance of students like Peer Learning, Pair Learning, AEGIS, etc...
- Schedule-1 Environmental Auditor of GPCB- Audit cell started working since 17th January, 2014 and is involved in Environment audit, Adequacy certification of EMS, Analysis of air, water, soil, hazardous waste etc. We have a well-equipped 67sq m Environmental Laboratory having sophisticated instruments. Two teams of SRICT have been approved as Schedule-1 Environmental Auditor by GPCB. The auditors of SRICT have successfully audited more than forty-five industries as per GPCB norms under Environment Audit Scheme. Apart from this, the auditors of SRICT are also involved in certifying several industries for their adequacy of EMS, product mix, etc. A few of the reputed industries are Lupin Ltd., Reliance Industries Ltd., Zydus Cadila, Colortex, Birla Cellulose, Pandvai Sugar, NTPC, UPL Ltd., JK Papers, and TSDF and CETP sites.
- SRICT is also a Nodal Incubation Centre for startups.

SRICT NEWS...

[DEPARTMENT
ELECTRICAL
ENGINEERING]

OF

Technical Workshop
Series - TECHWORKS -18

EXPERT LECTURE @
VALIA POLYTECHNIC

Mr. Praful P. Chudasama, HOD, Electrical Engineering delivered expert lecture on "Energy Audit and Management" at Department of Electrical Engineering, Valia Polytechnic, Valia on 09/08/18. His lecture included basics of Energy audit and its methodology with real industrial case studies.



The Department of Electrical Engineering of Shroff S R Rotary Institute of Chemical Technology (SRICT) and The Institution of Engineers (India) SRICT Students' Chapter (Electrical) organized a one day state level workshop on "Application of Power Electronics in Industrial Drives" on 7th September 2018. Total 53 students from KJ Polytechnic, Bharuch & faculty members participated.

The main purpose of this workshop was to make the students aware of Basic & Practical applications of Power Electronics Devices in Industrial Drives (AC & DC) and train them so that they can be ready for industrial practical exposure. The theoretical & practical sessions were handled by Expert Faculty members from Department of Electrical Engineering. Positive response was received from the participants.



IEI – Orientation Program for the Academic Year 2018-19

The Department of Electrical Engineering organised an Orientation Program for the declaration of The Institution of Engineers (India), SRICT Students' Chapter (Electrical) Executive committee members for the academic session 2018-19 on 31 August 2018.

Chief Guest Dr. Snehal Lokhandwala, Principal, SRICT, briefed the students regarding the importance of the professional students' chapter and Mr. Praful Chudasama, HOD, DEE, addressed the welcome speech & declared the executive committee for the academic year 2018-19.

Mr. Harshil Patel, a student from VII sem EE, was elected as the Counsellor. Eight students from 5th, 3rd & 1st Sem EE were elected as

the Executive Committee Members for the academic year 2018-19.

Mr. Sahilbhai Sirajbhai Vhora, student from VII sem EE, proposed vote of thanks.

The program was successfully organized and coordinated by Department of Electrical Engineering, SRICT with full support of Ankleshwar Rotary Education Society (ARES) Management.



[DEPARTMENT OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY]

CII EVENT

Confederation of Indian Industry and SRICT jointly organized a session on Fostering Innovation

through Digitalization organized by department of Environmental Science and Technology of SRICT on 6th September, 2018 which was attended by delegates from various Universities and Industries and students of different department of our college. Speakers of the seminar were Mr. Ajay Durani (Managing Director) from Covestro India Pvt. Ltd, Ms. Divya Bhatt (Business Head-ME, Africa, SEA & India) from L&T Technologies, Dr. Vikrant Makhija (Associate Professor) from Auro University, Mr. SAILLISH Khawani (Founder & CEO) from Hard N Soft Consultancy, Mr. Gaurav Singhi (Director) from GSV & Co., Mr. Prashant Burke (VP-IT) from Garden silk Mills ltd. and Mr. Maulik Bhansali (CEO) from Net Web Software. A presentation was given by Ms. Mahima Maheshwari, student of 5th semester of Department of Environmental Science and Technology, on Plastopick and Tumbler. Industrial Visit was also organized to Covestro (India) Private Ltd., an adhesive manufacturing company on 6th September, 2018. The Visit was coordinated by Mr. Manoj Kumar and Ms. Dipal Ravalji of EST department of SRICT and was attended by the students of 7th semester of Department of Environmental Science and Technology, Electrical Engineering, Mechanical Engineering and Chemical Technology where they were exposed to manufacturing process and safety department of Covestro (India) Private Ltd.



PTM

Department of Environmental Science and Technology organized parents teacher meeting (PTM) SAMPARK ABHIYAN on 10th August 2018 which was attended by parents of students of 3rd, 5th and 7th semester of DEST. The event was chaired by Dr. Snehal Lokhandwala. Parents consulted concerned class teacher regarding their students' performance and attendance in their respective academic semester.

NATURE CLUB ACTIVITY

Nature Club of SRICT organized a drive under the banner of Swachh Bharat Mission on 18/08/2018 in which awareness was created among common people to avoid usage of plastic bags and start using cloth/paper bags. 200 paper bags (made from newspapers) were

distributed among shopkeepers in Bharuch .The event was coordinated by Environmental Science and Technology Department under the banner of “Beat Plastic Pollution” is the UNEP theme for World Environment Day 2018.

Beat **P**lastic **P**ollution
If you can't reuse it, refuse it!



A drive supported by
NATURE CLUB
 of
SRICT



The B-TOWN AUDIO/VIDEO QUIZ

The B-town Audio/Video quiz competition was organized on 8th August, 2018. It was an opportunity to bring out general awareness about the Bollywood awardees and collections among the students participating in it. The idea behind conducting this competition is to provide a platform to participants to explore their stage presence skills.

This event was divided into 3 stages which were elimination quiz, second round of dumb charades and final round of Audio/Video quiz.



GREEN DAY CELEBRATION AT SRICT

SRICT celebrated GREEN DAY on 8th August 2018 where all staff, faculty members and students were decked up in green attire and celebrated the day in college.



[DEPARTMENT OF MATHEMATICS, SCIENCE & HUMANITIES]

ACHIEVEMENT

Dr. Purvi Naik was invited as session Chair at “2nd International Conference on Women in Science and Technology: Creating

Sustainable Career” at Birla Vishvakarma Mahavidyalya, Vallabh Vidyanagar during 28-30 June 2018



EXPERT TALK

The Expert talk was organized at SRICT on “Sensitizing youth on women’s issues” under the banner of Sexual Harassment Prevention and Redressal Committee, SRICT on 20th March 2018. The honorable guest speaker Dr. Manisha Shukla, the Principal of Law College Bharuch and also an active social worker addressed the students. The lecture was arranged specially for the boys of 4th, 6th and 8th Semester. She pursued on social change, particularly with and on behalf of vulnerable and oppressed individuals and group of people. She began her talk with the concept of egalitarian society where boys should treat girls as their equals. She gave a keen insight into our present day society and the



disparity prevailing among boys and girls and made audience aware that bridging the gender disparity is the need of the hour. She detailed about the Act 498A of the Indian Penal Code. The session was ended by vote of thanks and a small question-answer session wherein doubts of few students were addressed. The lecture was enjoyed by all the participants. Overall the faculty members and the speaker herself enjoyed the session thoroughly. The session was coordinated by Dr. Purvi Naik, HOD, MSH Dept., SRICT and Presiding officer, Sexual Harassment Prevention and Redressal Committee, SRICT.

GLIMPSES OF SRICT



INAUGURATION OF SRICT



SHUBHAGAMAN

“The secret of getting ahead is getting started.” Orientation Programme “Shubhagaman” for First Semester B.E. students (Chemical, Mechanical, Environmental Science and Technology, Chemical Technology and Electrical) Dept. was held on 30th July, 2018 at SRICT with great fervor and enthusiasm under the benign presence of Honorable Guest Mr. Kishore Surti Sir, Respected Principal Sir Dr. Snehal Lokhandwala, Dr. Purvi Naik, HoD, MSH, all Heads of the Departments and staffs. This programme primarily focuses on aligning the pure minds of the new comers with process, culture and environment of SRICT. This program was coordinated by MSH (Mathematics, Science and Humanities) Dept.

REPORT ON PARENTS-TEACHER MEETING OF 1ST SEMESTER STUDENTS

First PTM for the session 2018-19 for 1st Semester students was organized by MSH (Mathematics, Science and Humanities) Department of SRICT on 30th August, 2018 from 3:00 to 5:00 pm at Seminar Hall. The main purpose of the meet was to create a common platform where teachers and parents discussed to help enriching the students' educational status and discuss variety of issues, regarding all-round development of the students.

The meeting started with Dr. Purvi Naik's (HoD, MSH) address to the gathering. She detailed the gathering about the activities and also explained what the departments offer to enhance the learning environment of the students.

- General information about departmental facilities and

strategies planned for this academic year has been explained.

- The information regarding the subjects and the concerned faculty members allotted to them has been briefed.
- 100 points activity
- Attendance procedure.
- Rules and regulations to be strictly observed.
- Value of other courses as designed the governing body of the college such as EPC, CPD

Exam related information (both Internal and external assessment) and guidance were also provided in detail. Principal Dr. Snehal Lokhandwala addressed the gathering and interacted with parents. The event was coordinated by Akashlina Bhattacharya with the help of MSH faculty members and staffs.



REPORT OF BLOOD DONATION CAMP

Shroff S R Rotary Institute of Chemical Technology, Vataria organized a Thalassemia Camp on 21st August 2018. Total 157 students of 1st year and newly joined M.Sc.students, who registered their names, went through Thallesamia Test & proved their commitment for future healthy society. The Indian Red Cross Society carried out the entire camp. A team of Rotaract club of SRICT led & coordinated by Dr. Deepika Shah organized the event in a systematic way. They appreciated & motivated each of the students & made the event a grand success.

ACCQC 2018

SRICT won various awards @ ACCQC 2018: The 6th Annual convention on quality concepts held at Diamond Theatre on 8th Sept, 2018.

Sr. No	Event	Team	Participants	Award
1	5S Case Study	Brilliance	Priyank Natraj(CT Sem 7)	GOLD
			Kajal Patel(CT Sem 7)	
			Aishwarya Nair (CT Sem 7)	
2	5S Case Study	Excellence	Shrushti Patel(CT Sem 7)	GOLD
			Maitri Patel(CT Sem 5)	
			Pooja Patel (CT Sem 5)	
3	5S Case Study	Genius	Aditya Chowmal (CT Sem3)	GOLD
			Koshika Tomar (CT Sem 5)	
			Punit Patel (CT Sem 5)	
4	Skit	5S Janata Party	Aditya Choumal (CT Sem3)	1 st Prize
			Punit Patel (CT Sem 5)	
			Vanshika Rana(EST Sem 3)	
			Ishwar Jadhav(CE Sem 5) 5)	
			Drashti Chaudhary (EST Sem 5)	
			Rohit Yadav(CT sem 3)	
			Chetna	

			Verma(CE Sem 3)	
5	Essay		Himanshu Tripathi(EST Sem 3)	2 nd Prize
6	Poem		Sachin Chauhan(EE Sem 5)	3 rd Prize
			Koshika Tomar (CT Sem 5)	Encouragement Prize
7	Poster		Jigar Mehta(EE Sem 5)	Encouragement Prize
8	Slogan		Pooja Patel (CT Sem 5)	3 rd Prize
			Koshika Tomar (CT Sem 5)	Encouragement Prize

The teams of Case study and Skit were guided by SRICT 5S coordinator Dr. Purvi J Naik

SRICT@SOCIALMEDIA.COM

Social media plays a vital role in networking and communication platform. It is quickly becoming one of the most important aspects of digital marketing, which provide incredible benefits that help reach thousands of people across the world. SRICTians are using social media not just to introduce their college, but thereby creating a platform where they can directly communicate with the wider people outside. SRICT is active on social media updating their each and every event and thereby letting the audience know about the whereabouts of the college. Reach us at Instagram, LinkedIn, www.facebook.com/srict & [twitter@srict](https://twitter.com/srict)

Glimpses of SRICT



SRICT Campus



College building from front side



Water Harvesting Project



Well-developed laboratories

AEGIS

The very word “AEGIS” means protection, patronage, aid, assistance.

SRICT has always strived to be the best in the way education is imparted to the students. There have been different and innovative programs initiated and implemented successfully by SRICT over past years. These initiatives include Peer learning Initiative, Professional Skill Development, and English Proficiency Course, to name a few.

All these courses aim at making students of SRICT always ready for any challenges that they can face in industry.

Now SRICT has introduced new program along this line called AEGIS.

AEGIS is the program that combines Mentorship, peer learning and pair learning.

In AEGIS, a faculty member is appointed for the group of students, usually comprising of 15 students, from different semesters and of same branch.

Faculty of particular group acts as a Mentor. His or her job is to understand and guide any problem that students are facing in curricular and co-curricular activities. The aim of this initiative is to groom the interpersonal and intrapersonal skills of the students.

The important aspect of this initiative is that as students from different semesters are coming together the communication gap between them is reduced. Further, students know that their issues will be indeed solved and hence they also share the issues.

When the faculty members are teaching in the class, they are not handling small number of students but rather the entire class. As a result, many times the students are not able communicate clearly regarding their doubts or any other issues with the faculty. However with Aegis, the students will be in direct touch with the faculty. Faculties are also able to pay better attention as they are having smaller group to attend to and thus helps in developing proper learning environment which is essential for any education institute.

Glimpses of SRICT



UPL Hostel

M.Sc.@ SRICT

SRICT has right from its inception strived to be leading institute to deliver technocrats to the industries. All its endeavors have been to develop industry ready resource personnel.



SRICT is present in Ankleshwar. Ankleshwar is one of the most important chemical hubs in Asia.

SRICT already has three Engineering branches catering to the needs of Chemical Industries namely Chemical Engineering, Chemical Technology and Environmental Science and Technology.

While the engineering needs of the industries is satisfied by SRICT there is still requirement of Science graduates especially in the branches related to Chemistry and these graduates are needed in different parts and processes of the chemical industries.

In order to cater this need, SRICT under the banner of SRICT Institute of Science and Research has started the new program of Master of Science in Organic Chemistry.

The course was incepted on 16th August, 2018. The course will be conducted in SRICT Campus and will have 40 seats.



(Industrial Visit of MSc Students)

ABHYUDAYA-2018 (Academic Award Degree Ceremony of Batch 2014)

SRICT has always believed in commending the students to inspire them to scale greater heights. Felicitation functions have been organized by SRICT to inspire the students and to motivate those students who have performed exceptionally.

This year, a new initiative was taken by SRICT: ABHYUDYAY. Due to various reasons, very few students were actually able to attend the convocation ceremony. SRICT introduced the event wherein the students would have the same feel of convocation and they would be awarded their Provisional Degree Certificates similarly in the way Degree Certificates were awarded to them at Convocation ceremony. Students were also provided the black gowns of ceremony so that they would be able to fully understand the importance of the occasion.

Academic award ceremony of Batch 2014 "ABHYUDAY-2018 " was held on 3rd July 2018 at Diamond theater, Ankleshwar to honor the shining stars of semester VIII and Post Graduate students of semester IV, who showcased outstanding performance in GTU summer 2018 examination and also the student of EST Jesal Patel, Krishna Mani &

Lashkari Krunal Harshadbhai, who scored a perfect SPI 10 at University.

The Chairperson, ARES, Mrs. Sandra Shroff, Vice Chairman Rtn. Ashok Panjwani, Treasurer, ARES Mr. Kishor Surti, Principal, SRICT Dr. Snehal Lokhandwala graced the occasion and presented the Provisional Degree certificate along with cash prizes and certificate of excellence to the students for their meritorious performance in the presence of their parents & guests from Rotary & Industries.



Total cash prize worth of Rs. 12,53,000/- were awarded to 150 UG and 07 PG top scorer students by ARES management of SRICT and Gold Medal to Jesal Patel, Krishna Mani & Lashkari Krunal Harshadbhai sponsored by UPL.

Head, Department of Mechanical Engineering. Mr. Samir Jariwala proposed the vote of thanks. He stressed on the importance of hopes and aspirations and how they are the stepping stones on the path to success.

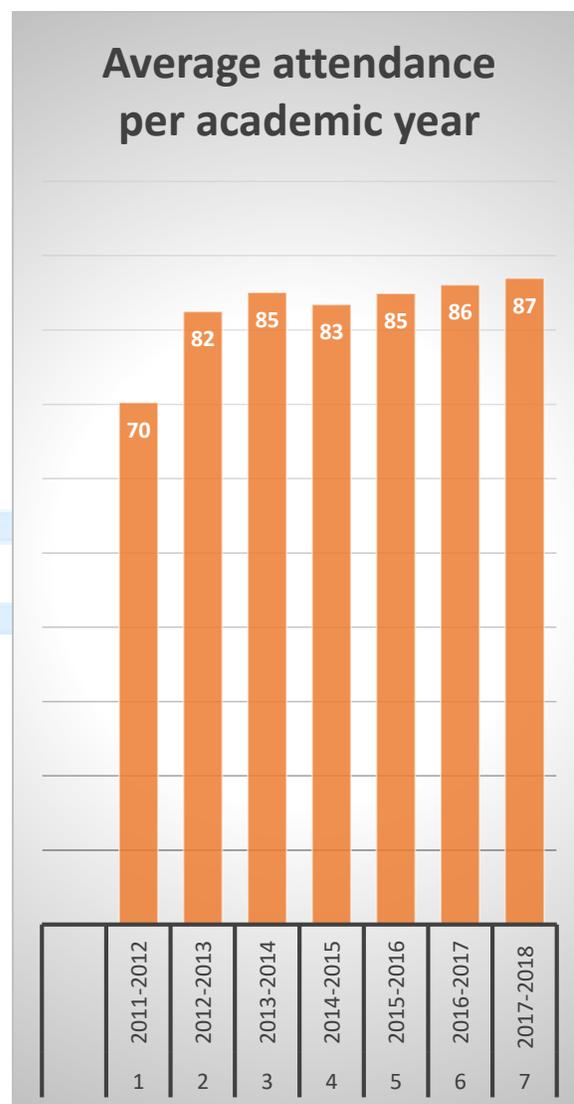
ATTENDANCE OF SRICT

SRICT follows the GTU attendance rule of minimum 75% attendance in classes strictly. It keeps students on their toes. Also, students are generally motivated to attend more than 75% classes by availing themselves of bonus marks in their internal assessment. SRICT believes in inculcating the virtues such as regularity and punctuality through Attendance Policy.

Average	CE	CT	EST	EE	ME
2011-2012	72	65	71	NA	73
2012-2013	80	77	82	83	84
2013-2014	83	84	86	83	82
2014-2015	85	84	86	82	84
2015-2016	86	83	84	86	85
2016-2017	88	85	87	86	86
2017-2018	89	87	86	89	86

Attendance is one of the important aspects in progress of the students. And SRICT witnessed the same from starting years till date. It can be observed from the graph that average attendance of students is increasing year-wise. In Initial year, 2011-2012 average attendance (including all branches and all semesters) comes out to be 70 %, whereas, for current academic year (2017-18, odd semester only), average attendance has reached to 87%.

The increase in attendance has also had another positive effect. With the rise of attendance, the result of the students of SRICT has also improved and has helped SRICT to become one of the top colleges in Gujarat.



Academic Achievements

SRICT strives for excellence of the students in GTU examinations and maintains the trend of success every year. The highlights shown in tables below for the 8th, 6th, 4th & 2nd semester B E results of Summer-2018. Our ultimate aim is to move from the curricular examination oriented approach to the experiential achievement approach. It is our desire that students and faculty should pass the difficult examination of life.

(2nd Sem)

Sr.No	Branch	Percentage	No. of Students got ≥ 8.5
1	ME	82.61	2
2	EST	76.19	14
3	CT	81.08	12
4	CE	98.36	16
5	EE	100.00	0

(4th Sem)

Sr.No	Branch	Percentage	No. of Students got ≥ 8.5 SPI
1	ME	61.90	2
2	EST	94.29	14
3	CT	81.48	17
4	CE	90.14	27
5	EE	57.14	1

(6th Sem)

Sr.No	Branch	GTU Result	No. of Students got ≥ 8.5 SPI
1	EST	97.50	19
2	CE	88.72	26
3	CT	86.67	11
4	ME	64.35	4
5	EE	72.45	3

(8th Sem)

Sr.No	Branch	Percent age	No. of Students got ≥ 8.5 SPI
1	ME	100.00	44
2	EST	100.00	43
3	CT	98.55	21
4	CE	98.48	32
5	EE	99.32	26

SHINING STARS OF SRICT-2018

1ST YEAR

The banner is a colorful collage celebrating the 'Shining Stars of B.E.' for the 2nd Semester Result of GTU Summer 2018. It features a grid of student portraits, each with their name and branch. The central text reads 'Shining Stars of B.E.' and '2nd in Zone among 19 colleges'. Logos for UPL, SRICT, and Rotary Anklshwar are visible at the top. A large 'Congratulations' graphic is in the center. Contact information for SRICT is provided at the bottom.

2ND YEAR

UPL **SRICT** **Rotary Anklshwar**

Shroff S.R. Rotary Institute of Chemical Technology

4th Semester Result of Gujarat Technological University SUMMER 2018

1st in Zone among 19 Colleges

Shining Star of B.E

 SURMA YUVRAJSINH SPI.. 9.91 C.T.	 PATEL MAITRI SPI.. 9.91 C.T.	 PATEL POOJA SPI.. 9.91 C.T.
 SHAH BANSARI SPI.. 9.82 E.S.T.	 CHADDARWALA KARTIK SPI.. 9.76 C.E.	 PATEL PUNIT SPI.. 9.73 C.T.
 TOMAR KOSHIKA SPI.. 9.64 C.T.	 MEHTA ARPIT SPI.. 9.61 E.S.T.	 SHAIKH SUFIYAN SPI.. 9.55 C.T.

congratulations!

3RD YEAR

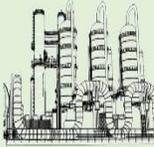
SRICT **Shroff S R Rotary Institute of Chemical Technology**

Rotary Anklshwar **UPL**

Institute Toppers

GTU Summer Results 2018 Semester - VI

TOPPERS

	Yash Goel Chemical Engineering SPI 9.61	
	Shrushti Patel Chemical Technology SPI 10/10	
	Ravirajsinh Solanki Electrical Engineering SPI 8.94	
	Deep Chavda Environmental Sci. & Tech. SPI 9.24	
	Panchal Axay Mechanical Engineering SPI 8.94	

4TH YEAR

10 POINTERS TILL NOW

SRICT Shroff S R Rotary Institute of Chemical Technology

GOLD MEDALISTS

10 Pointers of SRICT
GTU Summer Results 2018
Semester - VIII

Jesal Patel
01st Rank In GTU

- SPI: 10/10
- CPI: 9.78
- CGPA: 9.87

Krishna Mani
02nd Rank In GTU

- SPI: 10/10
- CPI: 9.76
- CGPA: 9.92

Krunal Lashkari

- SPI: 10/10
- CPI: 9.76
- CGPA: 9.92

BATCH - 2013	SEM	ENROLLMENT NO.	NAME
Winter - 2014	3	130990105012	MAHANT BHAVIKKUMAR
Winter - 2015	5	130990136003	ANKIT MISHRA
Summer - 2016	6	130990105012	MAHANT BHAVIKKUMAR
		130990136032	PATEL AKSHAYKUMAR
Winter - 2016	7	130990135048	SHREYA KUNDU
BATCH - 2014	SEM	ENROLLMENT NO.	NAME
Winter - 2016	5	140990135013	JESAL PATEL
		140990135018	KRISHNA MANI
		140990105001	ABHISHEK SHARMA
		140990135029	DALAL PANKTI I
		140990136052	RAVI ARORA
		140990135019	LASHKARI KRUNAL
Winter - 2017	7	140990135018	KRISHNA MANI

TRAINING & PLACEMENT CELL (WENAYAK)

“WeNayak” is our T & P Cell. It is an active center of SRICT where the job-seeker students of our institute meet the job-provider industries. It is the platform where the budding engineer of SRICT handshakes with the experienced veteran of the industrial world. It is the horizon where the sky of expectation touches the earth of reality.

SRICT faculty/ staff members and ARES management puts in formidable manual efforts by contacting several industries and inviting them for placement interviews to make future of the students secure, rewarding, and honorable. Not only are interviews held, but the students are also given proper training to face competitive written tests, Group Discussions, and Personal Interviews. Experts in these fields from outside along with senior faculty members of each department take concerted efforts to make each student confident and ready for the placement process.

Established in 2012, WeNayak has made a commendable job of placing over 80% students overall across various industries. The following table indicates these figures.

BATCH	DEPARTMENT	PLACEMENT (%)
2013	Chemical Engineering	100
2013	Electrical Engineering	100
2013	Mechanical Engineering	100
2013	Environmental Science & Technology	100
2013	Chemical Technology (Dyes & Pigment Technology)	100
2013	Chemical Technology (Polymer & Rubber Technology)	100
2013	Chemical Technology (Pharmaceutical	100

	Technology)	
2013	Chemical Technology (Glass and Ceramics)	100
2012	Chemical Engineering	100
2012	Electrical Engineering	100
2012	Mechanical Engineering	100
2012	Environmental Science & Technology	100
2012	Chemical Technology (Dyes & Pigment Technology)	100
2012	Chemical Technology (Polymer & Rubber Technology)	100

2012	Chemical Technology (Pharmaceutical Technology)	100
2012	Chemical Technology (Glass and Ceramics)	100

MEMORENDUM OF UNDERSTANDING OF SRICT



EXPERT LECTURES

SR NO	BRANCH	SEM	DATE	NAME OF EXPERT	DESIGNATION/INDUSTRY	TOPIC
1	All	1	13/08/18	Ms. Sheetal Thomas	Arihant Chemical Industries	Role of an Engineer in delivering a sustainable future
2	CE	5	7/6/2018	Mr. Saumil Shah	Senior safety officer, GNFC	Basics of Industrial safety
3		5	7/6/2018	Mr. Mihir Kinariwala	Shift Manager, Indofil Industries Limited, Dahej	Vacuum system in process industries
4		5	7/7/2018	Mr. Sushil kumar	Retired President, RIL	Case Study
5		7	7/11/2018	Mr. Dharmesh Panchal	Unit head, Hikal Ltd.	Design of Distillation column using HYSYS
6		7	8/1/2018	Mr. Bhavik mahant	Process engineer, UPL Ltd.	Role of chemical engineers in industry
7		7	8/4/2018	Mr. Sushi kumar	Retired President, RIL	case study of EOEG and petroleum product statistics
8		3	8/5/2018	Mr. Sushi kumar	Retired President, RIL	case study of EOEG and petroleum product statistics
9		3	8/14/2018	Mr. Jemis Viradiya	CEO, Enclifestyle Pvt. Ltd.	Chemical Process

						Industries
10		3	8/18/2018	Mr. Anupam Parihar	Process engineer, SRF	Pumps
11		5	8/14/2018	Mr. Nishant Mistry	EHS Officer, ARCHADIS	EHS & Sustainability
12		3	8/30/2018	Mrs. Smita Shah	Personality Development expert	Personality Development
13		7	8/18/2018	Mr. Dharamvir Singh	Process engineer, Solvay	Drying operations
14	CT	3,5,7	8/2/2018	Mr. Hitkam Pandya	Officer ,GRP Pvt. Ltd. Panoli	Compounding of Plastics
15	CT	3,5,7	8/4/2018	Mr. Akshay Patel	Officer, Gharda Chemicals	Life After Graduation
16	CT-DP	3,5,7	8/4/2018	Mr. Ajay Borkhatriya	Senior Executive, Subhasri Pigments, Ankleshwar	Processing of Green Pigments
17	CT	3,5,7	8/14/2018	Dr. Rajgopal Ambadi	Senior R&D Manager, QV Lab, Ankleshwar	Design of Experiments
18	CT-PT	3,5,7	8/14/2018	Dr. Rajgopal Ambadi	Senior R&D Manager, QV Lab, Ankleshwar	Product selection to production in Pharma
19	CT	3,5,7	8/18/2018	Mr. Kayshap Desai	Deputy Manager, R&D Heubac Colours	Process & Plant Engg.
20	CT-DP	3,5,7	8/18/2018	Mr. Kayshap Desai	Deputy Manager, R&D Heubac Colours	Technology of Intermediates
21	CT	7	8/28/2018	Mrs. Smita Shah	Personality Development Expert, Ankleshwar	Personality Enhancement
22	EE	3	2/7/2018	Mr. Deepesh Dubey	Maintenance Engineer/Cipla Ltd. , Goa	Electrical maintenance
23		7	16/7/20	Mr. S. Muralikrish	Sr. General Manager - Electrical/Brakes	Switch Gear

			18	nan	India Pvt. Ltd., Jhagadia	& Protection
24		7	20/7/2018	Mr. Hirenkumar Maisuriya	HR Manager /Brakes India Ltd., Jhagadia	Task Management
25		7	31/7/2018	S B Pandey	Head - HR/Godrej Industries Ltd., Valia	Tips & Tricks to crack Interview
26		7	1/8/2018	Mr. Ch Srinivas Reddy	Senior Vice President/Flometallic India Private Ltd.	Scope of Electrical Engineering in Foundry Industries
27		3	8/8/2018	Mr. Ajay Mahajan	DGM - Electrical/Hindalco Industries Limited Unit: Birla Copper	Plant Safety
28		5	18/8/18	Mr. Prasanth Gottapu	Vice President- Electrical/ Reliance Industries Ltd.	Variable Frequency Drives and its Applications
29		5	28/8/18	Mr. K S Shah	Chief Manager (Electrical)/GNFC Ltd.	Industrial Power Distribution System
30	ME	3	7/2/2018	Mr. Parixit Ashara	Sr. Engineer, NPP Complex, GNFC, Bharuch	Basics of Thermodynamics & Heat transfer
31		3	8/7/2018	Dr. C.P. Joshi	Scientific Officer/D, ESL (Environmental Department), NPCIL	Radiation- A fact of Life
32		3	8/7/2018	Shri. Rinkoo Meena	Scientific Officer/D, NTC (National Training Centre), NPCIL, Kakrapar	Indian Nuclear Power programme & process of generation of nuclear energy

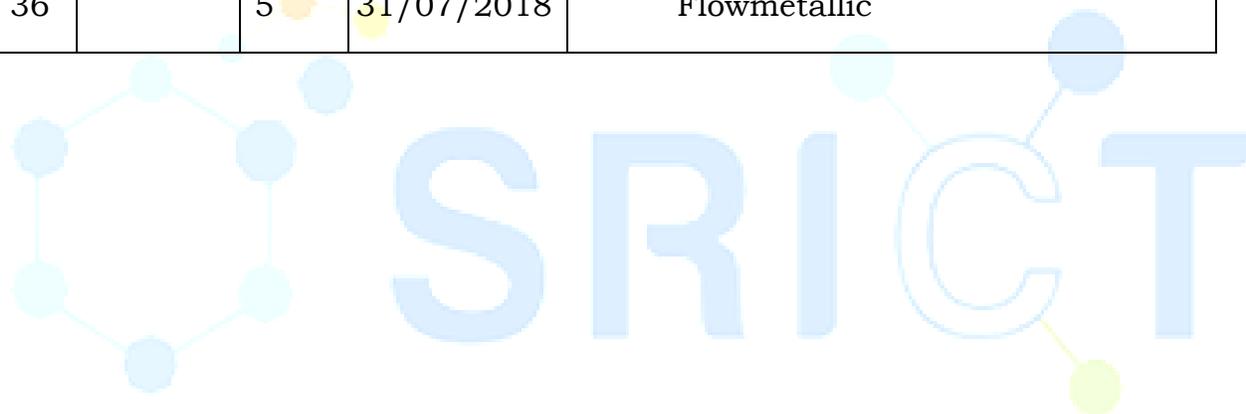
33		3	9/6/2018	Mr. Dipesh Zaveri	Manager-Maintenance, Mechanical, Reliance Industries Ltd., Dahej.	Centrifugal Pump (Discussion of topics purely based on practical aspects)
34		5	7/2/2018	Mr. Parixit Ashara	Sr. Engineer, NPP Complex, GNFC, Bharuch	Heat transfer phenomena & its applications
35		5	8/1/2018	Mr. Shrinivas Reddy	Sr. Vice President, Flo Metallic India Pvt. Ltd.	Foundry Industry
36		5	8/4/2018	Mr. Kalpesh Berawala	Senior Manager, HR Department, Aleor Dermaceuticals Ltd.	Success Mantra
37		5	8/7/2018	Dr. C.P. Joshi	Scientific Officer/D, ESL (Environmental Department), NPCIL	Radiation- A fact of Life
38		5	8/7/2018	Shri. Rinkoo Meena	Scientific Officer/D, NTC (National Training Centre), NPCIL, Kakrapar	Indian Nuclear Power programme & process of generation of nuclear energy
39		7	8/1/2018	Mr. Jayesh D Ravalia	Project Manager, Godrej Industries Ltd., Valia	Project management principle
40		7	8/4/2018	Mr. Kalpesh Berawala	Senior Manager, HR Department, Aleor Dermaceuticals Ltd.	How to build a powerful resume
41		7	8/7/2018	Dr. C.P. Joshi	Scientific Officer/D, ESL (Environmental Department), NPCIL	Radiation- A fact of Life
42		7	8/7/2018	Shri. Rinkoo Meena	Scientific Officer/D, NTC (National Training Centre), NPCIL, Kakrapar	Indian Nuclear Power programme & process of

						generation of nuclear energy
43		7	9/6/2018	Mr. Dipesh Zaveri	Manager-Maintenance, Mechanical, Reliance Industries Ltd., Dahej.	Gearboxes (Discussion of topics purely based on practical aspects)
44	EST	7	4/8/2018	Nihar Doctor	Director- Envision Envirotech	Biomedical Waste Management
45			17/07/18	Vijay Ghadge	Advisor Environment – BEIL	Environmental Legislation
46			30/08/18	Jawahar Varelani	Head- Operations, Riddhi Pharma	Industrial Safety
47		5	27/06/18	Sudhanshu Tiwari	Employee IIMUN	Environmental Pollution
48			17/07/18	Vijay Ghadge	Advisor Environment – BEIL	ISO 14001
49			30/08/18	Jawahar Varelani	Head- Operations, Riddhi Pharma	Industrial Safety
50		3	27/06/18	Sudhanshu Tiwari	Employee IIMUN	Environmental Pollution
51			9/7/2018	Love Patel	Production officer – Apcotex	Environmental Chemistry
52			17/07/18	Dr. A Manoharan	Ex- Scientist- CPCB	Environmental Management

INDUSTRY VISITS

SL	BRANCH	SEM	DATE	NAME OF INDUSTRY
1	ALL	1	8/29/2018	Pragna Dyechem Pvt Ltd.
2	CE	7	8/3/2018	Hikal , Panoli
3		7	8/23/2018	Kanoria Chem
4		5	6/30/2018	Upl-1/2
5		5	7/27/2018	Solvey
6		5	8/18/2018	Sajjan India
7		3	8/23/2018	GNFC
14		ME	7	7/30/2018
15	7		8/18/2018	NPCIL
16	3		8/21/2018	Fivebros Forging
17	3		8/21/2018	AB Engineering
18	5		9/7/2018	Welkin Engineering Services
19	EST		7	1/9/2018
20		7	20/08/2018	UPL-1 & 2, GIDC Ank
21		5	21/08/2018	Aarti Industries
22		3	3/8/2018	NCTL, Panoli
23	CT-PR	3,5,7	18/7/2018	Shri Navkar Blowpack Pvt Ltd.
24	CT-PR	3,5	18/7/2018	Bharuch Enviro Infrastrucuter Ltd.
25	CT-GC	3,5,7	18/7/2018	Kohler India Ltd.
26	CT-DP	5	18/7/2018	Bharuch Enviro Infrastrucuter Ltd.

27	CT-PT	5	18/7/2018	Bharuch Enviro Infrastrucuter Ltd.
28	CT-GC	5	18/7/2018	Bharuch Enviro Infrastrucuter Ltd.
29	CT-PT	3,5	14/8/2018	Eskay Iodine Pvt Ltd.
30	CT-PR	3,5	16/8/2018	Mayur Plastic Industries
31	CT-PR	7	21/8/2018	Mayur Plastic Industries
32	CT-GC	3,5,7	27/7/2018	Piramal Glass Ltd.
33	CT-DP	3,5,7	7/9/2018	Heubach Colours Pvt. Ltd.
34	EE	7	27/07/2018	SLDC Jambua
35		7	30/08/2018	Viketa Electronics
36		5	31/07/2018	Flowmetallic



ARTICLES: प्रयुक्तिलेख

THIS IS HOW, AND WHY EXPLORERS GO CAVE DIVING.

[KWINAL ANTALA, ENVIRONMENTAL SCIENCE AND TECHNOLOGY 7TH SEM]

With 12 boys trapped 2.5 miles deep in a cave in northern Thailand, one likely way for them to exit the winding chamber is for them to dive through the flooded portions-with help from rescuers.

Such cave diving, as it's known to professional cavers, can be dangerous. That point was hammered home Friday when a rescue diver in Thailand, Saman Kunan, died, reportedly from a lack of oxygen, while delivering supplies. But for some adventurers and explorers, cave diving has become a niche technical activity, requiring a skill set similar to a combination of open-water scuba diving and rock climbing.

The activity is so rarified that Bill Stone, a longtime cave diver and expedition leader from Texas, estimates that as few as 75 people around the world do it seriously. It's so serious that Stone, who has been cave diving for 42 years, does not consider the diving part of caving to be recreational.

"Some people view it as a sport," he says. "I don't. I view it as a tool for exploration."

In fact, modern cave diving grew out of that need to explore, to go further.

SPRING VS SUMP

The simplest form of the activity is the spring dive, in which you strap on scuba gear and journey down a clear-flowing subterranean spring. That watery endeavor is popular in Florida and on the Yucatan Peninsula. Stone estimates that more than 10,000 people around the world do this sort of cave diving. The longest spring dive on record, he says, was 10 miles underwater, round trip.

But the more serious activity, and what the Thailand divers must face, is the sump dive. Just as its name implies, this is a dive into a region of a cave where water, possibly murky and silty with little to zero visibility, and with water high enough to hit the ceiling, has collected. Professionals like Stone undertake these dives to get from one dry chamber to the next—it's a means to an end.

Because it can be so unforgiving, careful training and the proper gear are essential.

THE ESSENTIAL GEAR

Like any diver, cave divers wear a wetsuit or dry suit. They also carry multiple light sources (a rule that applies to dry caving as well). They pack in two air tanks, and two regulators, which carry the

breathing air to your mouth via a mouth piece. They also wear a mask and fins. Generally speaking, cave divers follow a rule of thirds when it comes to their air: a diver should only use one-third of their air while going into the cave, saving two-thirds for the return trip. Sump divers wear helmets, too.

Because it's sometimes impossible to see, cave divers always use a line, like climbers sometimes do while mountaineering. "There's almost invariably silt on the floor, sometimes on the roof," says Stone. A diver's fins can loosen it and stir it up.

The vanguards set the line, using first a 2 mm thick rope and then bringing through a heavier and sturdier one. To stay with the line, a diver makes an OK sign with his hand around it, keeping it always in the circular space.

The goal, of course, is to get from one part of dry cave to the next. "Generally people sump dive so that they can get into cave that has air further beyond," says Anmar Mirza, the national coordinator of the National Cave Rescue Commission in the United States.

Because you're "basically diving in soup," Mirza says, the line literally can be a life line. When a cave diver does die underwater, he says, usually it's because they "lost their line, and get lost, and ran out of air."

OLED

[FENI FALDU, 7TH SEM EE]

An organic light-emitting diode (OLED) is a light-emitting diode (LED) in which the emissive electroluminescent layer is a film of organic compound that emits light in response to an electric current. This layer of organic layers is situated between two electrodes; typically, at least one of these electrodes is transparent. OLEDs are used to create digital displays in devices such as television screens, computer monitors, and portable systems such as mobile phones, handheld game consoles and PDAs. A major area of research is the development of white OLED devices for use in solid-state lighting applications.

There are two main families of OLED: those based on small molecules and those employing polymers. Adding mobile ions to an OLED creates a light-emitting electrochemical cell (LEC) which has a slightly different mode of operation. An OLED display can be driven with a passive-matrix (PMOLED) or active-matrix (AMOLED) control scheme. In the PMOLED scheme, each row (and line) in the display is controlled sequentially, one by one, whereas AMOLED control uses a thin-film transistor backplane to directly access and switch each individual pixel on or off, allowing for higher resolution and larger display sizes.

An OLED display works without a backlight because it emits visible light. Thus, it can display deep black levels and can be thinner and lighter than a liquid crystal display (LCD). In low ambient light conditions (such as a dark room), an OLED screen can achieve a higher contrast ratio than an LCD, regardless of whether the LCD uses cold cathode fluorescent lamps or an LED backlight.

A typical OLED is composed of a layer of organic materials situated between two electrodes, the anode and cathode, all deposited on a substrate. The organic molecules are electrically conductive as a result of delocalization of pi electrons caused by conjugation over part or all of the molecule. These materials have conductivity levels ranging from insulators to conductors, and are therefore considered organic semiconductors. The highest occupied and lowest unoccupied molecular orbitals (HOMO and LUMO) of organic semiconductors are analogous to the valence and conduction bands of inorganic semiconductors.

OLEDs can be printed onto any suitable substrate by an inkjet printer or even by screen printing, theoretically making them cheaper to produce than LCD or plasma displays. However, fabrication of the OLED substrate is currently more costly than that of a TFT LCD. Roll-to-roll vapour-deposition methods for organic devices do allow mass

production of thousands of devices per minute for minimal cost; however, this technique also induces problems: devices with multiple layers can be challenging to make because of registration - lining up the different printed layers to the required degree of accuracy.

SRICT GLIMPSES



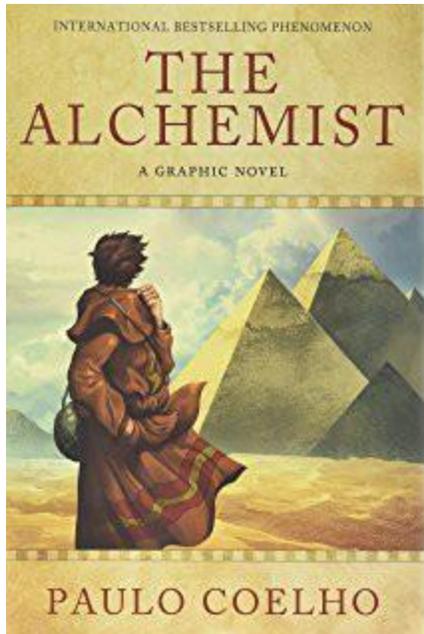
Fully developed computer labs



Gharda Library

BOOK REVIEW “THE ALCHEMIST”

[VANSHIKA RANA, EST 3RD SEM]



The Alchemist is written by Paulo Coelho. It's about a shepherd named Santiago following his dream or personal legend as it is described in the book. The shepherd starts the journey with a dream about finding treasure in the Pyramids of Egypt. He goes to a gypsy woman and an old man claiming to be a mysterious king and they both advise him to pursue it. The quotes that stuck out to me in the first chapters were: “To realize one’s destiny is a person’s only obligation”, and “When you want something, all the universe conspires in helping you to achieve it.”

I relate to the story because I feel that currently I am pursuing my own personal legend. Like the shepherd my journey started with an initial vision and my willingness to pursue it. I didn't have any idea of

how I would achieve the goal but I knew that I had to do it.

Throughout the shepherd's journey he learns different lessons. The first lesson he learned was about individuals who don't pursue their own personal legends. The King told him that everyone, when he or she is young, knows what his or her Personal Legend is. He states “At that point in their lives, everything is clear and everything is possible. They are not afraid to dream, and to yearn for everything they would like to see happen to them in their lives. But, as time passes, a mysterious force begins to convince them that it will be impossible for them to realize their Personal Legend.”

One of my favorite passages is:

The old man pointed to a baker standing in his shop window at one corner of the plaza. “When he was a child, that man wanted to travel, too. But he decided first to buy his bakery and put some money aside. When he's an old man, he's going to spend a month in Africa. He never realized that people are capable, at any time in their lives, of doing what they dream of.”

“He should have decided to become a shepherd,” the boy said.

“Well, he thought about that,” the old man said. “But bakers are more important people than shepherds. Bakers have homes, while shepherds sleep out in the open. Parents would rather see their children marry bakers than shepherds.”

The boy felt a pang in his heart, thinking about the merchant's daughter. There was surely a baker in her town.

The old man continued, "In the long run, what people think about shepherds and bakers becomes more important for them than their own Personal Legends."

That passage speaks directly to me because I see a lot of people settle in life. This relates to everything from where they live, who they are in a relationship with, what job they have, their current goals, and what they want out of life. I have seen firsthand individuals who say that they will work until they get old and then retire off social security. I watched my grandmother retire and get too sick to travel and enjoy life at that age.

I am of the mindset that an individual can do anything that they put their mind to it. Like Will Smith said, "greatness is not this wonderful esoteric thing that only a few of us have access to, it actually exists in everyone." I really believe that statement. The ones who access greatness are just the ones who are willing to go through the difficulties and smile while doing so. They are willing to do the things that others won't. Most individuals don't want to pursue a business of their own because you are vulnerable. Your income depends on how good your business does. You will have months, sometimes years to where you can't afford. I am of the mindset that an individual can do anything

that they put their mind to it. Like Will Smith said, "greatness is not this wonderful esoteric thing that only a few of us have access to, it actually exists in everyone." I really believe this statement. You must get comfortable being uncomfortable. Most individuals think about pursuing their dream but then they think about giving up their comfortable and routine life. You can choose to pursue your legend like Santiago and go through a lot of odds to get there or you can choose to be the baker. You can decide that pursuing your dream is too risky, and any other ideas that you use to rationalize not going after your dream. But, as the book states, once you don't listen to your heart and soul telling you to go after your dream that feeling will reappear randomly over the course of the next year or two. If the individual doesn't act after those 2 years the heart will just stop talking to the individual and he will cease to have the dream. The dream will disappear totally.

The book is a must read for any individual who is currently trying to figure out what they want to do in their life. The book will resonate more with individuals who are currently pursuing their dream. Any of those individuals will relate directly to Santiago. "

MOVIE REVIEW: THE IMITATION GAME (2014)

What's the story?

THE IMITATION GAME begins in 1941, when Europe is in the clutches of Nazi Germany. In Britain, air raids have become a way of life, and thousands of soldiers are dying on the battlefield. To fight its enemies, the British government recruits the country's best mathematicians and scientists to help break the code for the Enigma, a machine the Germans use to send instructions to their military personnel. Enter Alan Turing (Benedict Cumberbatch), a Cambridge-educated cryptologist who, with a team of mathematicians -- including the pioneering Joan Clarke (Keira Knightley), one of a very few women on the project -- sets out to crack Enigma and its secrets. But Turing holds a secret of his own: He's gay. And he may be attacked by his peers, and the government, for that fact.

Is it of any good?

Without question, Cumberbatch is up to the task of bringing to life a complicated, brilliant man. Turing is multi-dimensional, his emotional depths layered. He is, by far, the best part of this enjoyable, if flawed,

film. As entertainment, THE IMITATION GAME has loads to recommend it: It's paced well, features strong performances from the ensemble, and does a fine enough job of explaining the ideas behind cryptology. But history buffs will know that it's a condensation and that the filmmakers have been liberal with their shortcuts. Bletchley Park, where the Enigma code was broken, had dozens of code-breakers toiling on the project, not the handful shown here.

(They're framed and shot like a gang of superheroes before the climax of a big face-off -- a simplistic take on greatness.)

Turing's achievements can't be boiled down to one cinematic moment, as they are here. It would have been better if the movie had attempted to show the project's elaborateness, rather than simplifying it for the screen. And his hidden homosexuality is given a rather superficial study, its impact on his life hurried in the final act to arrive not simply at victory, but at revelation.

OMNISCIENT (OFFBEAT FACTS)

[SAUMYA PANPALIA, 5TH
SEMSETER, MECHANICAL ENGG
DEPARTMENT]

1. A floating post office

India has the largest postal network in the world with over 1, 55,015 post offices. A single post office on an average serves a population of 7,175 people. The floating post office in Dal Lake, Srinagar, was inaugurated in August 2011.

2. Kumbh Mela gathering visible from space

The 2011 Kumbh Mela was the largest gathering of people with over 75 million pilgrims. The gathering was so huge that the crowd was visible from space.

3. The wettest inhabited place in the world

Mawsynram, a village on the Khasi Hills, Meghalaya, receives the highest recorded average rainfall in the world. Cherrapunji, also a part of Meghalaya, holds the record for the most rainfall in the calendar year of 1861.

4. Bandra Worli Sealink has steel wires equal to the earth's circumference

It took a total of 2,57,00,000 man hours for completion and also weighs as much as 50,000 African elephants. A true engineering and architectural marvel.

5. The highest cricket ground in the world

At an altitude of 2,444 meters, the Chail Cricket Ground in Chail, Himachal Pradesh, is the highest in the world. It was built in 1893 and is a part of the Chail Military School.

6. Shampooing is an Indian concept

Shampoo was invented in India, not the commercial liquid ones but the method by use of herbs. The word 'shampoo' itself has been derived from the Sanskrit word CHAMPU, which means to massage.

7. The Indian national Kabaddi team has won all World Cups

India has won all 5 men's Kabaddi World Cups held till now and have been undefeated throughout these tournaments. The Indian women's team has also won all Kabaddi World Cups held till date.

8. Water on the moon was discovered by India

In September 2009, India's ISRO Chandrayaan- 1 using its Moon Mineralogy Mapper detected water on the moon for the first time.

9. Science day in Switzerland is dedicated to Ex-Indian President, APJ Abdul Kalam

The father of India's missile programme had visited Switzerland back in 2006. Upon his arrival, Switzerland declared May 26th as Science Day.

10. India's first President only took 50% of his salary

When Dr. Rajendra Prasad was appointed as the President of India, he only took 50% of his salary, claiming he did not require more than that. Towards the end of his 12-year tenure he only took 25% of his salary. The salary of the President was Rs.10,000 back then.

11. The first rocket in India was transported on a cycle

The first rocket was so light and small that it was transported on a bicycle to the Thumba Launching Station in Thiruvananthapuram, Kerala.

12. India has a spa just for elephants

Elephants receive baths, massages and even food at the Punnathoor Cotta Elephant Yard Rejuvenation Centre in Kerala. Now that's a BIG step for the country.

13. India is the world's second-largest English speaking country

India is second only to the USA when it comes to speaking English with around 125 million people speaking the language, which is only 10% of our population. This is expected to grow by quite a margin in the coming years.

14. Largest number of vegetarians in the world

Be it because of religious reasons or personal choices or both, around 20-40% of Indians are vegetarians, making it the largest vegetarian-friendly country in the world.

15. The world's largest producer of milk

India recently overtook the European Union with production reaching over 132.4m tons in 2014.

16. The first country to consume sugar

India was the first country to develop extraction and purifying techniques of sugar. Many visitors from abroad learnt the refining and cultivation of sugar from us.

17. The human calculator

Shakuntla Devi was given this title after she demonstrated the calculation of two 13 digit numbers: $7,686,369,774,870 \times 2,465,099,745,779$ which were picked at random. She answered correctly within 28 seconds.

18. Rabindranath Tagore also wrote the national anthem for Bangladesh

Rabindranath Tagore is credited not only for writing the Indian national anthem, JANA GANA MANA, but the Bangladeshi national anthem, AMAR SONAR BANGLA, as well. He was also offered knighthood by the British but refused the honour after the Jalianwala Bagh massacre.

19. Dhyan Chand was offered German citizenship

After defeating Germany 8-1 in the 1936 Berlin Olympics, Major Dhyan Chand, the wizard of hockey, was summoned by Hitler. He was promised German citizenship, a high post in the German military and the chance to play for the German national side. Dhyan Chand however declined the offer.

20. Freddie Mercury and Ben Kingsley are both of Indian descent

Freddie Mercury, the legendary singer of the rock band 'Queen' was born a Parsi with the name Farrokh Bulsara while the famous Oscar winning Hollywood star Ben Kingsley was born Krishna Pandit Bhanji.

21. Astronaut Rakesh Sharma said India looks SAARE JAHAN SE ACHCHA from space

Former Prime Minister Indira Gandhi asked the first Indian in space, Rakesh Sharma, about how India looked from space. His response was our famous patriotic song, "Saare Jahan Se Achcha."

22. Havell's is purely an Indian brand & named after its first owner

Though the company was bought for just 10 lakh Rupees a long time ago and is now a multi-billion electrical goods company, it's an Indian

company and is still named after its original owner, Haveli Ram Gupta.

23. Diamonds were first mined in India

Initially, diamonds were only found in the alluvial deposits in Guntur and Krishna District of the Krishna River Delta. Until diamonds were found in Brazil during the 18th century, India led the world in diamond production.

24. A special polling station is set up for a lone voter in the middle of Gir Forest

Mahant Bharatdas Darshandas has been voting since 2004 and during every election since then, a special polling booth is set up exclusively for him as he is the only voter from Banej in Gir forest.

SOURCE:

<https://www.scoopwhoop.com/interesting-news/interesting-india>

NOBLE NOBELS



Paul L Modrich became an Assistant Professor at the Department of Chemistry in University of California, Berkeley in 1974. He joined Duke University's faculty in 1976 and has been a Howard Hughes Investigator since 1995. He works primarily on strand-directed mismatch repair.

His lab demonstrated how DNA mismatch repair serves as a copyeditor to prevent errors from DNA polymerase.

Matthew Meselson previously proposed the existence of

recognition of mismatches. Modrich performed biochemical experiments to study mismatch repair in *E. coli*. They later searched for proteins associated with mismatch repair in humans.

Dr. Modrich is also a fellow of the American Academy of Arts and Sciences, and a member of the Institute of Medicine and the National Academy of Sciences.

He is known for his research on DNA mismatch repair. Modrich received the Nobel Prize in Chemistry 2015, jointly with Aziz Sancar and Tomas Lindahl.

BORN: Paul Lawrence Modrich
June 13, 1946 (age 72)
Raton, New Mexico, U.S.

Notable awards: Nobel Prize in Chemistry (2015)

Scientific career
Field: DNA mismatch repair

ART CORNER: चित्र-लेख

[AASTHA PAREKH, EST 7TH SEM]



SETU ALUMNI ASSOCIATION

THE FIRSTS

JAIMIN PATEL (MECH-2012 BATCH)

It was a long day, I came to my place, had a shower and made some coffee for me. The atmosphere outside was great. I went to my balcony with the coffee mug in my hand and sat there on the swing. I didn't know when I zoned out and all the voices in the surrounding suddenly muted and it was me having a walk across the past reliving and cherishing it. It's been almost two years since I joined the company but it still feels quite new to me as each day I get to know something new.

We have a lot of firsts in our life and if we think deeper, we can see that life is all about those first experiences. The first day of life, the first day when we start to speak, the first day when we start to walk, first day at school, first friend, first love and many more. These first days are the days which we will remember throughout our life. The first day of the school, we cry a lot as we don't want to leave our parents and the last day of school, we cry as we don't want to leave our friends who have become our family and this is the irony of life. With first days, there would be last days too, but we just remember the first because first days bring nervousness, joy, excitement, and fun while last days

bring awkwardness, sorrow, loneliness.

There are phases in our life, starting with the point of time when we are born and for initial two to three years all we have to do is to play and have fun, then comes a time when we need to go to school and for the next 15 to 20 years we spend in making a career, then we come across our work life where our motto is to earn more and more to make our life easy and finally the retirement. Work plays an important role in our life as it is the phase in which we actually get to know how the world functions. We, the frogs of the well who were comfortable there come out of the well to a whole new world which can be cruel and kind all at once.

Sipping the coffee, I remembered the first day, yes the first day at work. After three phases of the selection procedure, starting with the written test, personal interview 1 & 2 and finally the HR interview I made it to the company. I was very excited to see what really happens in the industry. I had been to a lot of industries in college life in the form of an industrial visit, but there is a huge difference in this and that, because you know that you have earned your place here and you are not on a visit, but you need to make an effort to stay here. The first few days went by with my fellow colleagues who joined with me in safety induction and then next week

I met the team in which I need to work.

The manager, the engineers and the technicians, the complete hierarchy of command. The interesting thing about the industry is that you can learn things from everyone whether he is a technician or your manager or your site head. Just keep your eyes and ears open and you will learn a hell lot of things. Initially, when you are new to the industry you are on your own and that's the time you need to start making connections. Communication is an important skill, as you are new to the place and you need to learn a lot of things, you need to keep aside your ego and greet everyone from bottom to the top of command as you need to learn things from them. Honestly speaking, unless you talk to them, no one will bother to talk to you because you are new there and so you need to make an effort for it. Days passed and it was about a month since I joined, I had made some connections. I started learning things and making notes of it daily. Making notes helps, of course we are not Vivekananda that we remember everything we learn in a day for an entire lifetime and nobody is going to tell us everything, again and again, so make notes and go through it once in a while. As days passed I started liking there as I learned new things daily and it's like a whole new world out there. You need to make decisions, sometimes work pressure is so much that you don't know when the entire day passed and at the end of

it, you feel satisfied that you had done a lot of work.

As all seasons are not same, all days at work are not same. Some days you feel like you have a beautiful life and some days you feel that you have a terrible life. In the initial months of your job in the industry, you would make mistakes and you should, because then only you will learn. I remembered how many mistakes I made and how many times my superiors have scolded me. But, that's fine because if you won't make mistakes, you won't learn. Not for every mistake, you are scolded, but yes sometimes your superior supports you and makes you understand how that particular work is to be done.

Months pass and you get habitual with the environment there and suddenly you realize that you are no longer a new animal in the jungle. You have become a part of it and all you need to do it try to sustain that position. You then need to try to better yourself in the work you do and make fewer mistakes and eventually you realize what all things you have learned there. When you look back down the road, you will know how much you have changed in the meantime. You made some new friends, developed mentors to talk about future, gain skills to tackle problems, working under pressure, gain a lot of knowledge, skills to communicate with new people. In short, you have become a better version of yourself. Time flies and so passed almost two years in the company. I feel as it

was yesterday I joined the company and I didn't know anything and now I am all different. Change is good and although you initially feel that how will you handle responsibilities, trust me on this, once they come on you, you will find a way to handle them. Though you will make mistakes initially, with time you will become a pro. There will be a lot of firsts in the industry too starting with the first day at work, the first concept learned, the first job handled, first scolding, and first patting by superior, first salary and a lot more. As I took my last sip of coffee, I felt it was a wonderful journey so far and it felt good to remember the good times, of course, it's good to forget the bad times thinking them as lessons. I kept my coffee mug aside and opened the envelope kept on the table. I knew what it was, but was so excited to read it. It was also one of my firsts in the industry. I read it not once, but thrice. I felt good about it as it's been quite some time since I had any firsts. Yes, you guessed it right. It was my first Promotion!!

LEARNING - A NEVER
ENDING PROCESS

[TEJAS CHAUHAN, BATCH -
2012]

*“First day at job.
It's like a reward of 18 years of
education journey.
But one should never stop learning.
Till now I was in lap of books.
Now it's time to face real challenges.*

*On a new page of life...😊😊” —
feeling excited at Bharuch Enviro
Infrastructure Ltd.*

I woke up early in the morning and went to the nearest temple. And then put the above post on my Facebook wall. I picked up my bag (now it was not that bag which was being used to carry books, now it was filled with my documents and a blank diary). I touched the feet of my parents and I went to the journey which many of the students dream to have after their long years of education journey.

Unlike the other engineers, I don't have to find job after my graduation. I was lucky enough that I was joining my company on just next day of my last subject viva.

I reached the company before the time and met HR person for documentation work. After completing documentation work, induction of 6 days started. During that one week period, I was introduced with different departments of the company and I met people from different departments and took a glimpse of their respective work.

Finally, a day came when I was about to meet my HOD (Head of Department) to whom I was supposed to report my work throughout my career at that company. HR person took me to the HOD. HOD asked me to have a sit. Then it started, which was a new experience. Sir asked me to introduce myself. I gave my introduction as well as background. But then it took a U turn and which

made me completely blank for some time. Sir started asking me about some engineering terms which I tried my best to answer. But truly speaking, I was failed to answer it properly. While giving the answers, the whole 6 years of engineering life (since I was D2D student) came in front of me. I was totally depressed because I was unable to answer some of the simple terms. Till now, I was preparing for only one subject and giving the exam or viva. Now the things weren't the same. Sir advised me to refer some of the important phenomenon again. I stood up and went outside the cabin. After coming out of the cabin, there were 2 options for me. First to completely blaming myself about my 6 years journey in engineering and regretting. But I took the 2nd option and I opened my diary and started writing those engineering terms and phenomenon. And after coming home, I used to find that terms either on internet or in books. This learning in industry continued for 8-10 months until I got familiar with entire system.

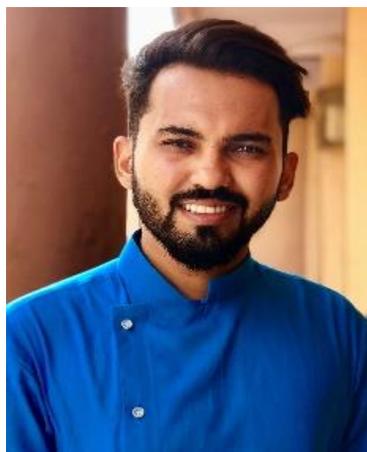
It is advisable for one to learn from each phase of life. The difference in academic learning and industrial learning is that in academics, you learn from dozens of books or tons of papers but in industry, you learn from each person you're meeting. It

may be your colleague, superior, sub – ordinates, vendors, even from contractor's workers. This learning is of either in terms of technical or communication.

At some stage in industry, you may completely be lost in work load and problems related to company. One must have to balance the industrial life and a personal life. For this, one should be forgetful. Forgetful in the sense, forget the company's problem once you come to home and enjoy with family. But at same time, while coming to company from home, forget all the problems of home and do work with full concentration.

At the end, I would like to say that one should never stop learning. Also maintain balance between industrial and personal life. My best wishes to final year students, who will be soon in the industrial life.

KNOW OUR FACULTY: गुरुं-विजानियात्



Name: Chintan Kishorchandra Modi

Designation: Assistant professor,
Chemical engineering department

Education qualification:

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- **B.E.** Chemical DDIT, Nadiad

Experience: 4 years as an Assistant professor

Academic interest: Mass transfer operations, process equipment design, simulation and modeling, Phase equilibria study



Name: Dhananjay R Chauhan

Designation: Assistant professor
(Mathematics)

Department: Mathematics Science
and Humanity

Qualification: M.Sc., NET and
GATE.

Academic interest: Fourier
Transformation and Partial
Differential Equation.

KNOW YOUR STAFF



Name: Vasava Dipika G.

Designation: Lab assistant

Education Qualifications: M.sc.
(organic chemistry)

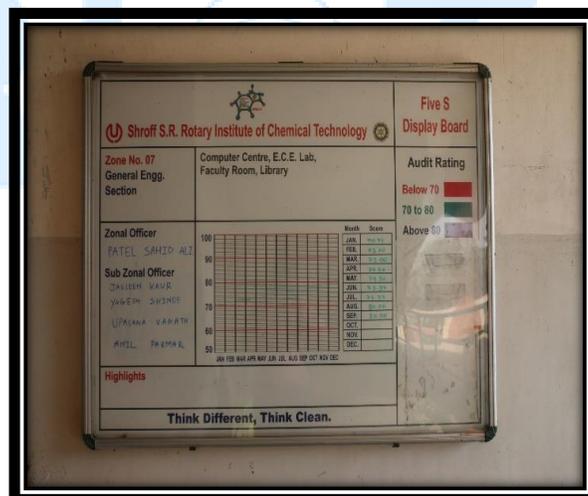
Department: Mathematics, science
and Humanities

Experience: One year

Aerial View of Canteen

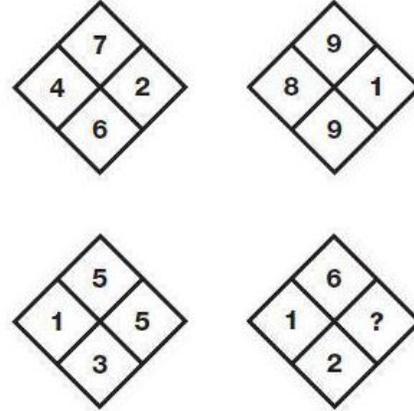


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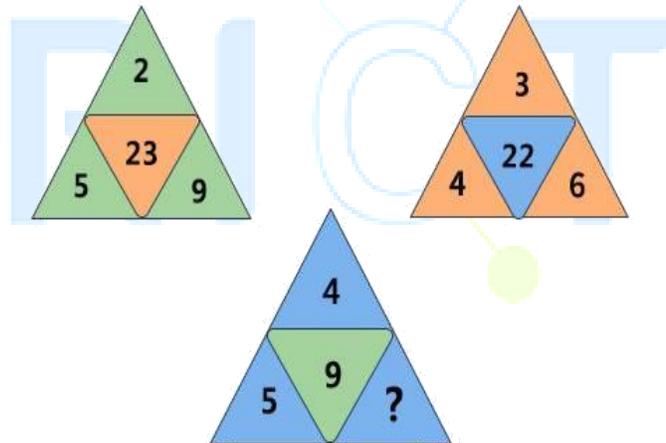


PUZZLE & BRAIN STORMING

1. What goes up and down but never moves?
2. You throw the outside, eat the inside and throw the outside. What is it?
3. I disappear if you say my name. What am I?
4. I am a country. If you add a letter to my beginning, the word obtained will be the opposite of the word obtained when you take away my first letter.



7. Solve the Missing Number



5. I am an 11 letter Indian city

Hints:

- 2, 4, 10 is a Unit of Length.
- Last 6 letters is a Fruit Name.
- 9, 5, 3 is a Soap Name.
- 1, 8, 3 is used by a Student
- 7, 8, 3 letters is a Bird Name.
- 6, 7, 5, 3 is an organ in the Face.

From the above given Hints Find that Indian City Name?

6. find the missing number.

Challenge?

8. Crack the code & unlock the Key

- a. 062
- b. 602
- c. 042
- d. 204

CRACK THE CODE



CODE

A NUMERIC LOCK HAS A 3 DIGIT KEY

HINT

4 8 2 One number is correct and well placed	4 1 6 One number is correct but wrong placed	2 0 4 Two numbers are correct but wrong placed
7 3 8 Nothing is correct	7 8 0 One number is correct but wrong placed	



2345 +=

9. How many times can you subtract 10 from 100?

- a. 9 times b. 0 times
c. 1 times d. 10 times

10. Please use all the numbers and equation marks only once and do the correct equation.

READERS WRITE

All voracious and rapacious readers are invited to come up with their valuable opinions, suggestions and also put forward any technical articles related to our streams and current areas of industrial development in technical section; any literary articles, or general articles appealing to all readers of Kathan.

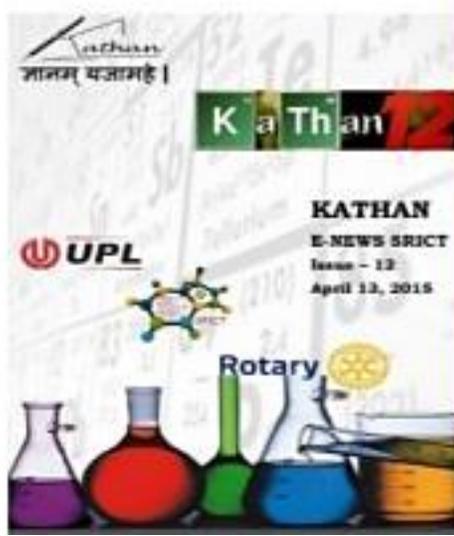
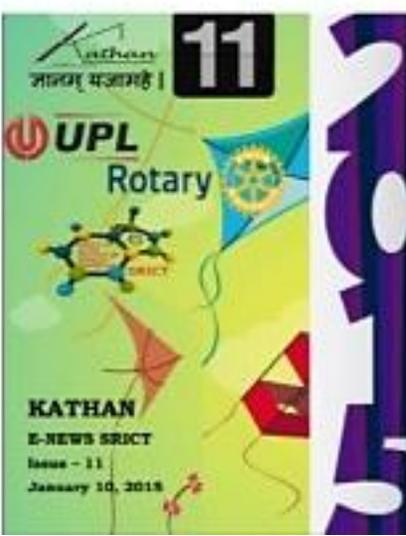
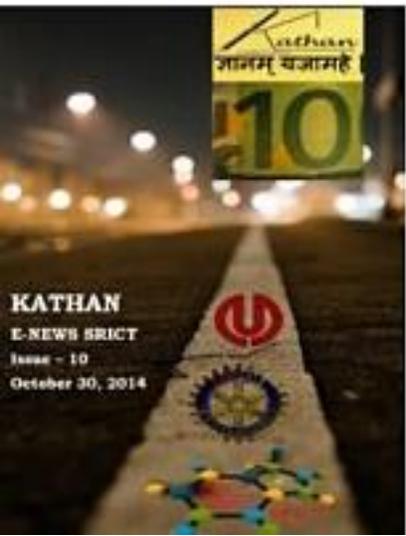
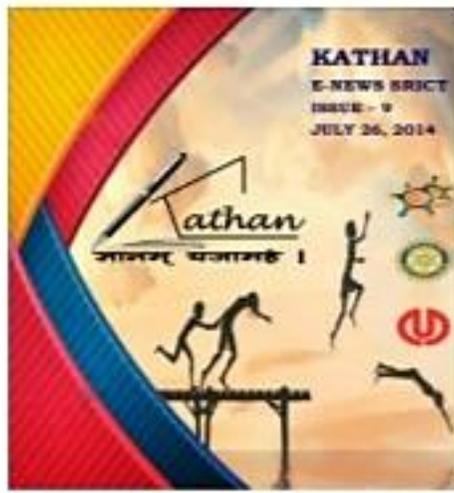
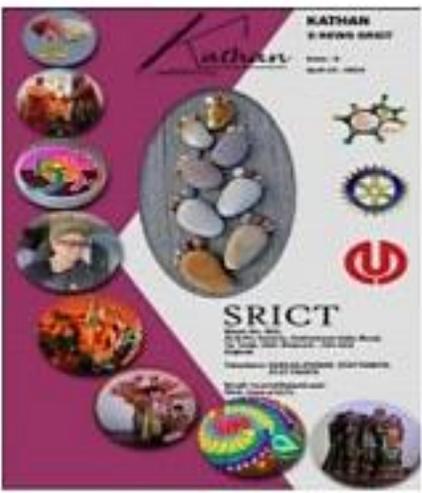
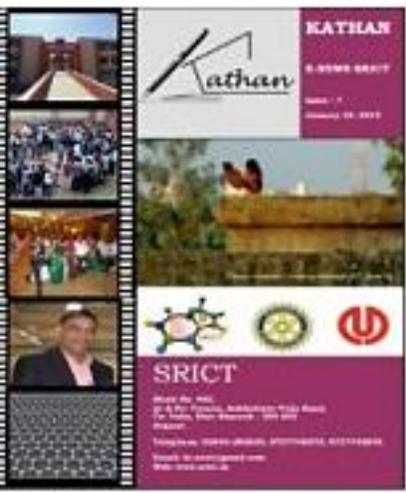
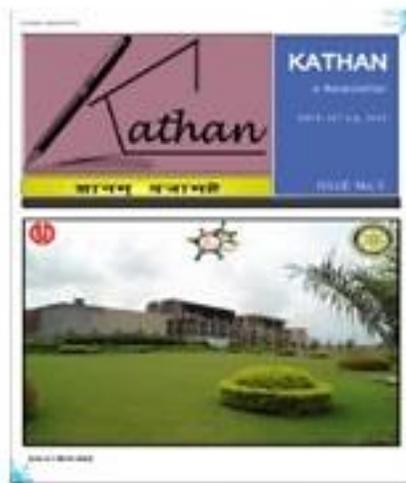
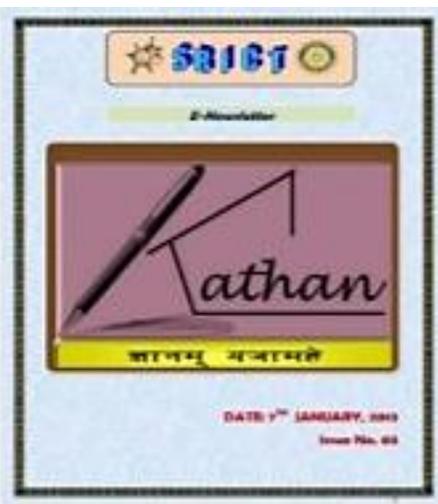
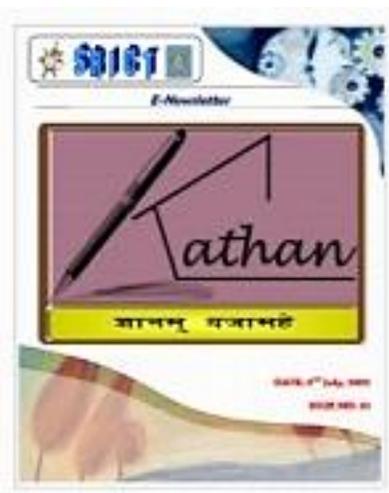
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We look forward to your valuable opinions, suggestions as well as articles for upcoming issues of Kathan.

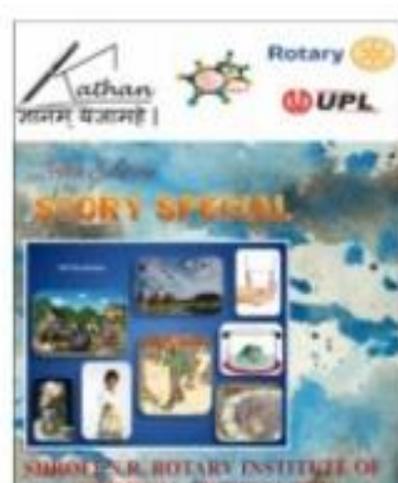
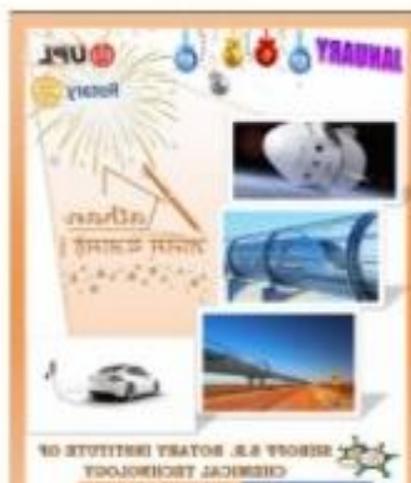
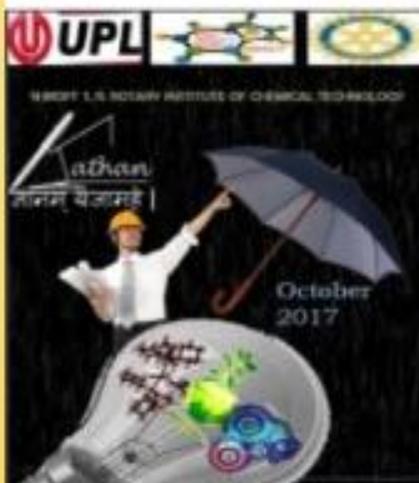
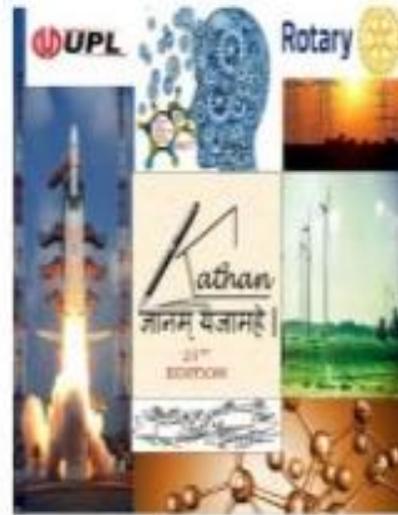
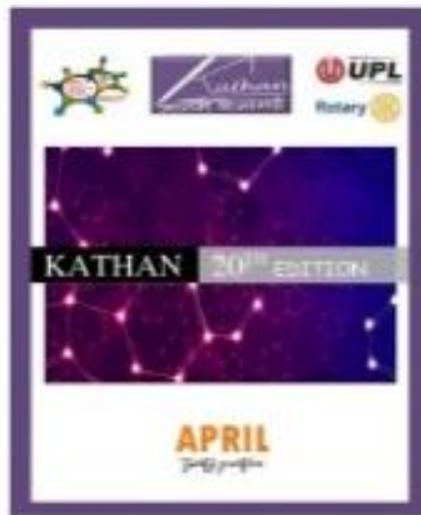
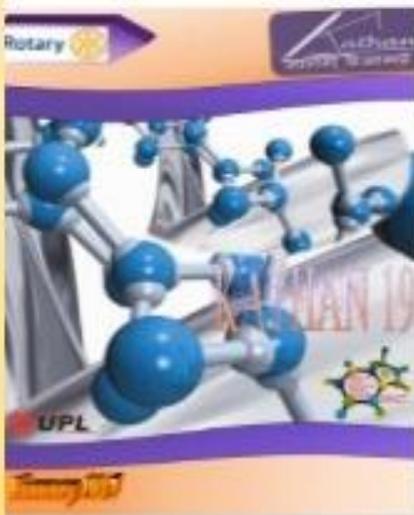
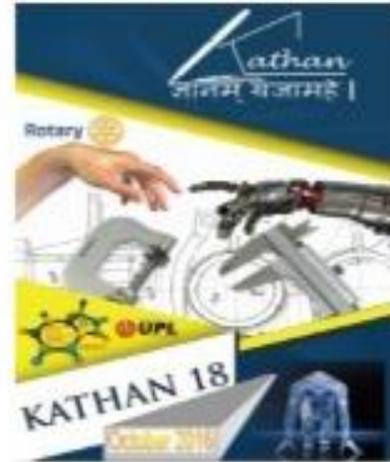
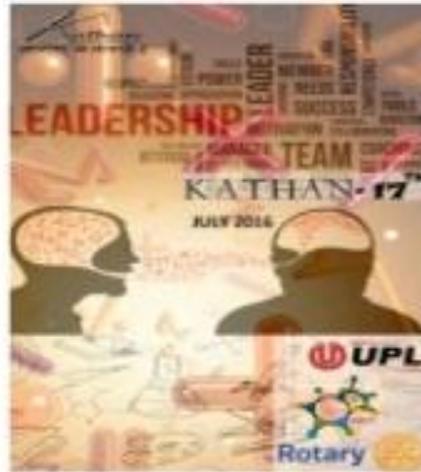
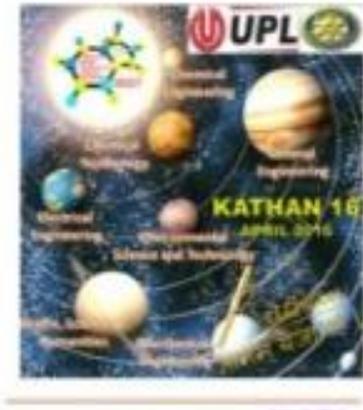
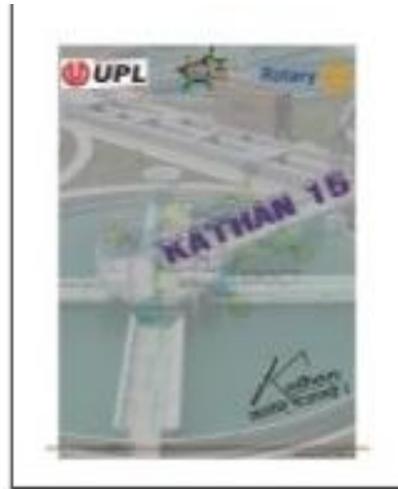
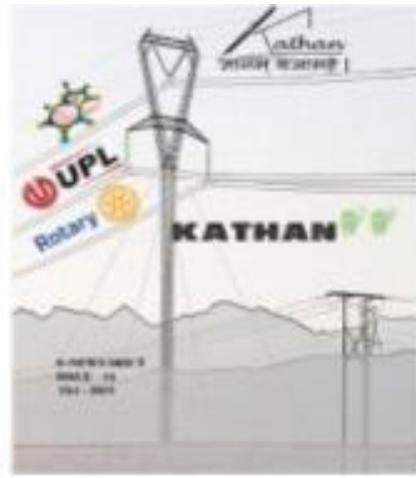
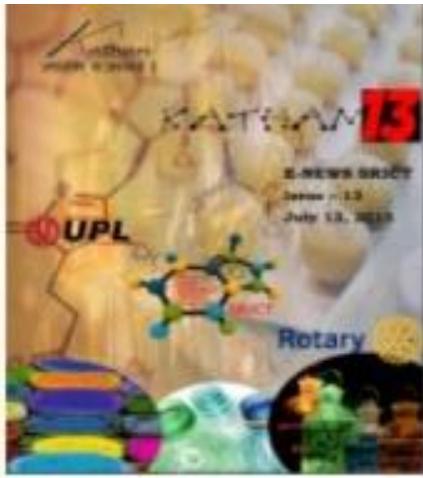
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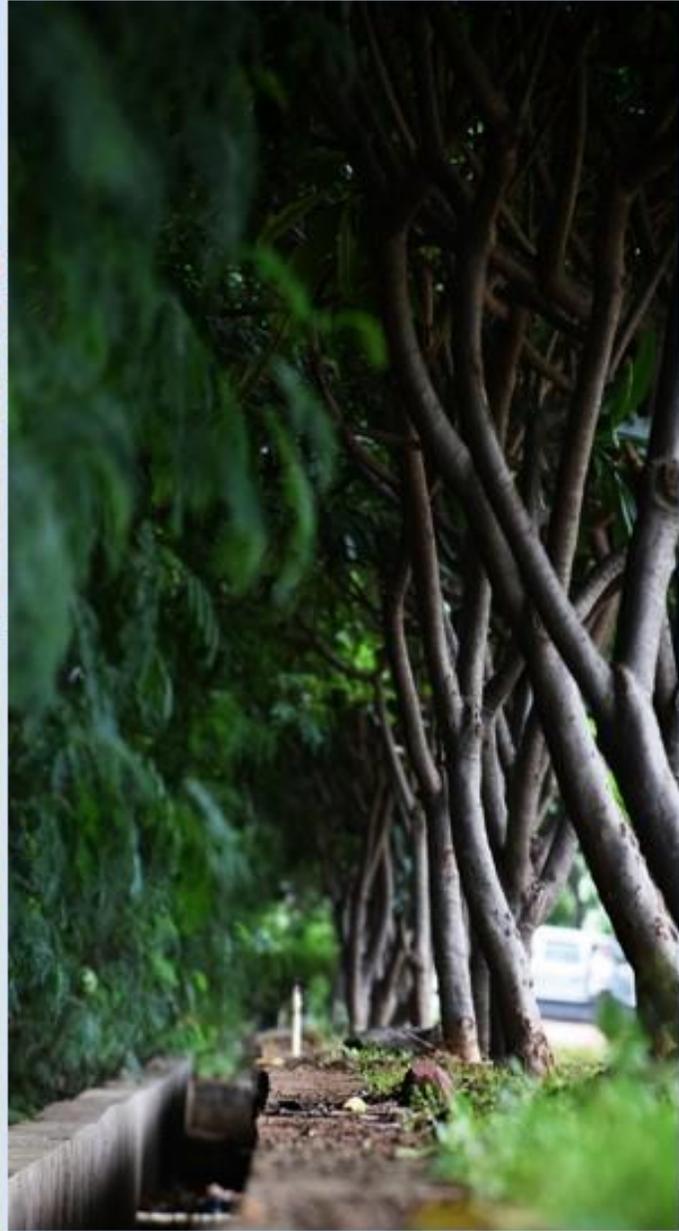


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