KATHAN
MONTHLY NEWSLETTER OF SRICT

ISSUE
32
JULY 2021

Kathan
ज्ञानम् यजामहे ।

In this issue…

Editorial Message

Dear Readers,

We all know that SRICT has successfully completed journey of a decade in the field of professional education. Even in the pandemic situation, SRICT continued its academic endeavors through the online mode. In fact we were successful in converting challenges thrown at us into opportunities. From online expert lectures to virtual Industry visits, SRICT never compromised in terms of efforts put into the molding of skilled industrial professionals and technocrats. KATHAN plays the role of a mirror to the past and possible future that reflects as an authentic document of our evolving academic fraternity. It is also a perfect forum for the expression of literary and creative impulses of students and faculty members. Every issue adds to the splendor of the seasoned interpretations, changing outlooks, wit and wisdom of SRICTians.

We appreciate the contribution of students and faculty members to this issue of KATHAN. Indebt gratitude is also due to the Management for their support and co-operation.

Editorial team
KATHAN

STAY SAFE…STAY CONNECTED

UPL University of Sustainable Technology

(ESTABLISHED UNDER GUJARAT STATE PRIVATE UNIVERSITY ACT, 2009)

PROUD RECOGNITION

Rated 4 Star

ICARE RATINGS

GSIRF

GOVERNMENT OF GUJRAT

★★★ 2021 ★★★

KNOWLEDGE CONSORTIUM OF GUJARAT

K C G

Awarded To

SRICT

Shroff S.R. Rotary Institute of Chemical Technology

1st in Bharuch District

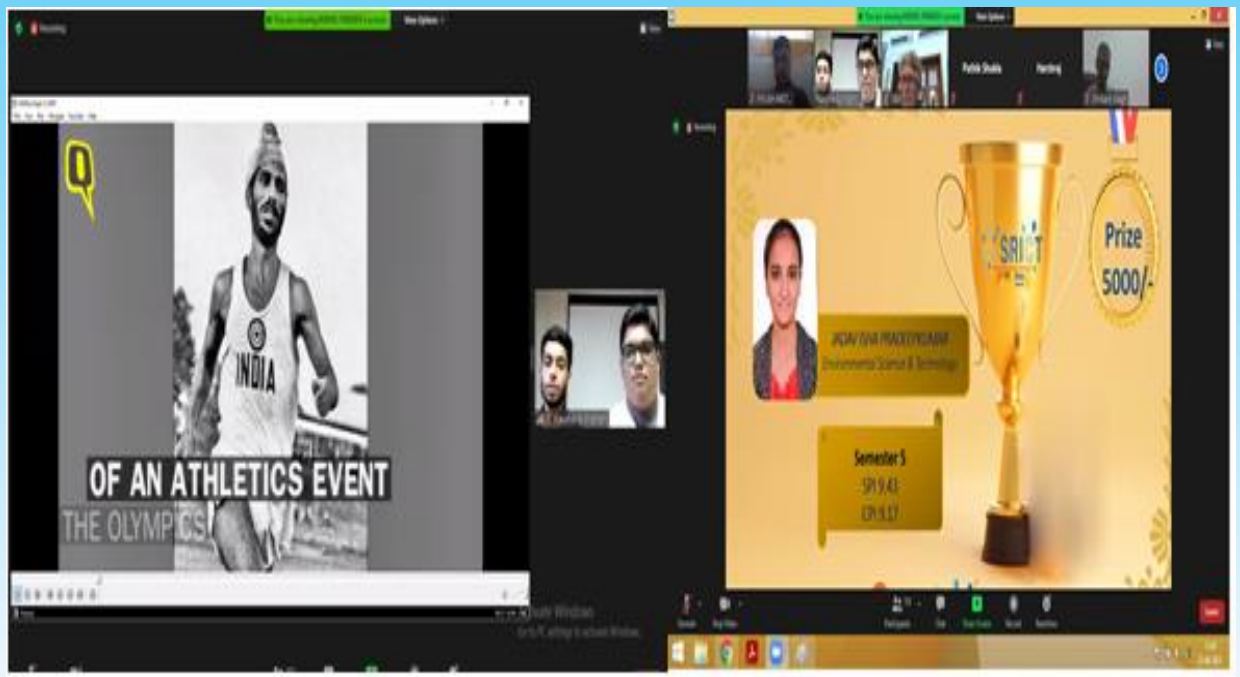
2nd in South Gujarat

8th in Gujarat

Felicitation

On the International Olympic Day, 23rd June, 2021 , an online, Abhyuttan 2021, was organised to felicitate the 7th semester students for their GTU results of sem5 ,Winter 2020. Principal, Dr. Shrikant J Wagh stressed on the importance of readiness of Engineers to work with their hands and making the best of available time during the pandemic. Vice Principal, Dr. Snehal Lokhandwala congratulated the students and urged to keep up the enthusiasm in their final semesters too. Honourable Secretary ARES, Mr.Angiras Shukla and Treasurer, Mr. Kishore Surti also congratulated the students for their hard work and diligence. Dr. Purvi Naik, HoD Mathematics, Science & Humanities, introduced the Chief Guest Mr.Movva Rao, Deputy General Manager, PGP Glass Pvt, Limited. Mr Rao appreciated the management and faculty members for organising such a unique event to motivate students.

Vice Chairman Mr.Ashok Panjwani appreciated the students and their parents for rising up to the crisis and enabling learning at home through online mode. Chairperson ARES Mrs. Sandra R Shroff, was overjoyed at the efforts put in by the students even in these pandemic stricken times. Parents were also present online to shower blessings on their wards and appreciated the management for maintaining the academic brilliance and ambience at SRICT. Dr. Nikhil Parekh, Assistant professor MSH, co-ordinator of the event, thanked the management for granting cash prizes worth Rs. 2,37,000 to 70 students , and all other helping hands for organising such a successful event.



World Environment Day Celebration

On the occasion of World Environment Day 2021, Department of Environmental Science and Technology (DEST) jointly organized a Tree Plantation Activity in association with Gujarat Pollution Control Board (Ankleshwar), UPL Ltd and Rotary e-club of Ankleshwar Green. Regional Officer (GPCB-Ankleshwar), Mr. R. R. Vyas graced the occasion with his presence and planted several Tulsi, Guava and Jamun plants in the campus. Principal (SRICT), Vice-Principal (SRICT), Guests from GPCB, UPL, RECA and faculty members of DEST enthusiastically participated in the plantation activity. The event was successfully coordinated by Mr. Darshan Salunke under the guidance of Mrs. Pratibha Gautam, Head, DEST.

Faculty Development Program

Dr. Jigisha Modi attended one week AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Drug Disposition: An Important Factor in Drug Engineering" from 01.06.2021 to 05.06.2021 at Bombay College of Pharmacy (Autonomous-Affiliated to University of Mumbai).

Mr. Sagar Jani participated in an Online Refresher Program on “Computer Aided Software for Process Intensification” sponsored by AICTE-ISTE and organized by Gharda Institute of Technology, Lavel on 24th May-29th May 2021.

ATAL

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training And Learning (ATAL) Academy

Certificate

This is certified that JIGISHA MODI, Assistant Professor of Shroff S R Rotary Institute of Chemical Technology participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Drug Disposition: An Important Factor in Drug Engineering" from 2021-06-01 to 2021-06-05 at Bombay College of Pharmacy (Autonomous-Affiliated to University of Mumbai).

Director ATAL Academies

Coordinator

Certificate

This is to certify that ***MR. SAGAR JANI*** has successfully completed the AICTE-ISTE approved Orientation/Refresher Programme on ***“Computer Aided Software for Process Intensification”*** held during **24.05.2021** to **29.05.2021** organized by ***Gharda Institute of Technology, Lavel, Khed, Maharashtra.***

Director (FDC) AICTE, ND

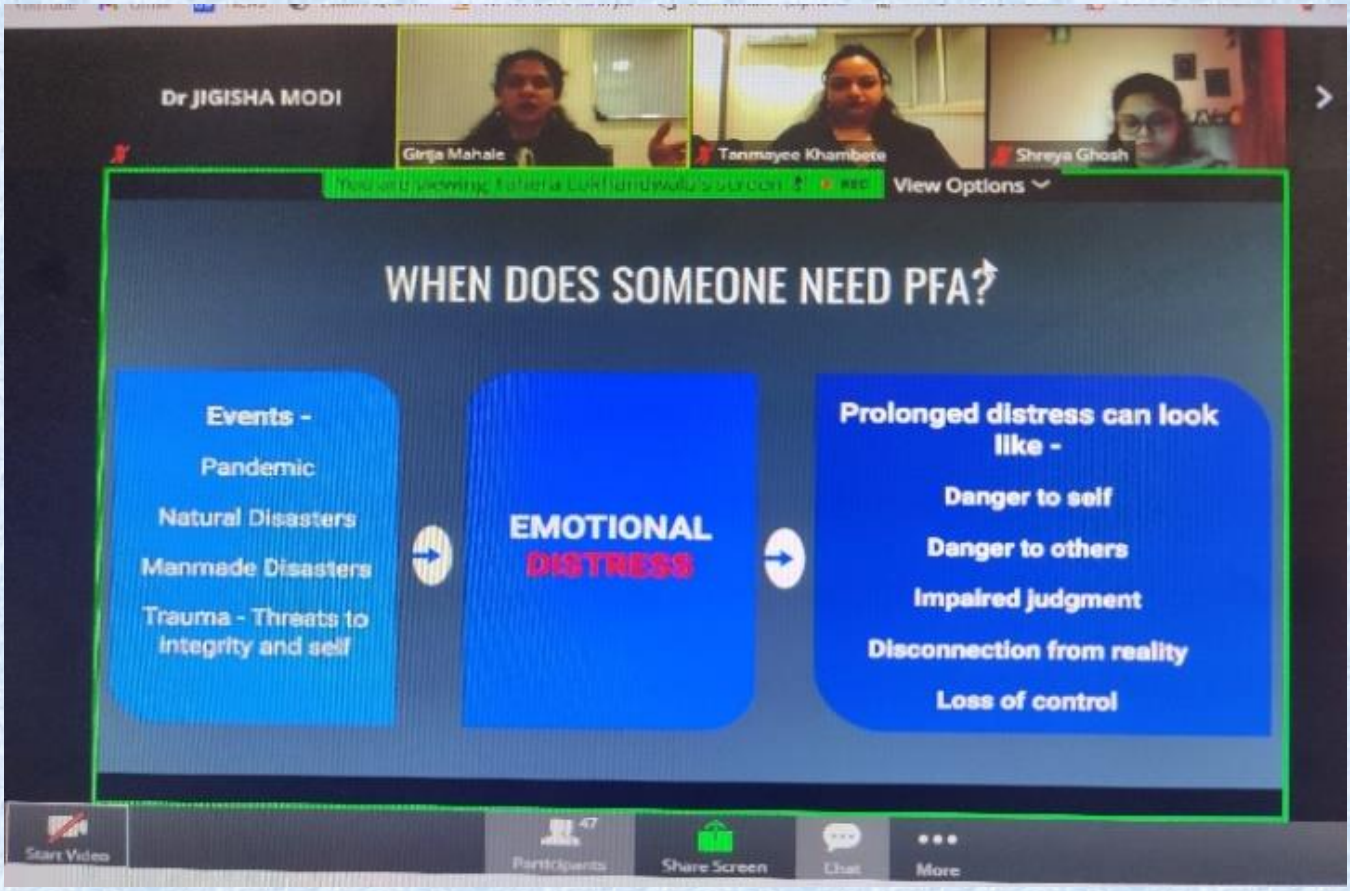
Executive Secretary ISTE, ND

Program Coordinator GIT, Khed

Principal GIT, Khed

Train the Trainer Workshop on 'Psychological First Aid'

Federation of Indian Chambers of Commerce & Industry and Symbiosis International University, Pune jointly organised a Train the Trainer Workshop on 'Psychological First Aid' on June 17-18, 2021 on online mode. Assistant Professors, Dr. Jigisha Modi (CT), Dr. Pragna Lad and Mr. Dhananjay Chauhan (MSH Department) attended the workshop. The workshop was aimed to enable individuals to provide Psychological First Aid (PFA) to the student community, co-workers, colleagues, friends and neighbours. PFA is a strategy to reduce painful range of emotions and responses experienced by people exposed to high stress.WHO describes Psychological First Aid (PFA) as 'a humane, supportive response to a fellow human being who is suffering and who may need support .People needs PFA in case of events like pandemic, natural disasters, manmade disasters and in case of trauma. If timely help is not provided then this can lead to danger to self, danger to others, victim may get disconnected from reality, suffering from impair judgement and loss of control.As explained in the workshop the five principles of PFA providers are Safety, Being connected with others, Self-reliance, Self-control and Sense of hope.

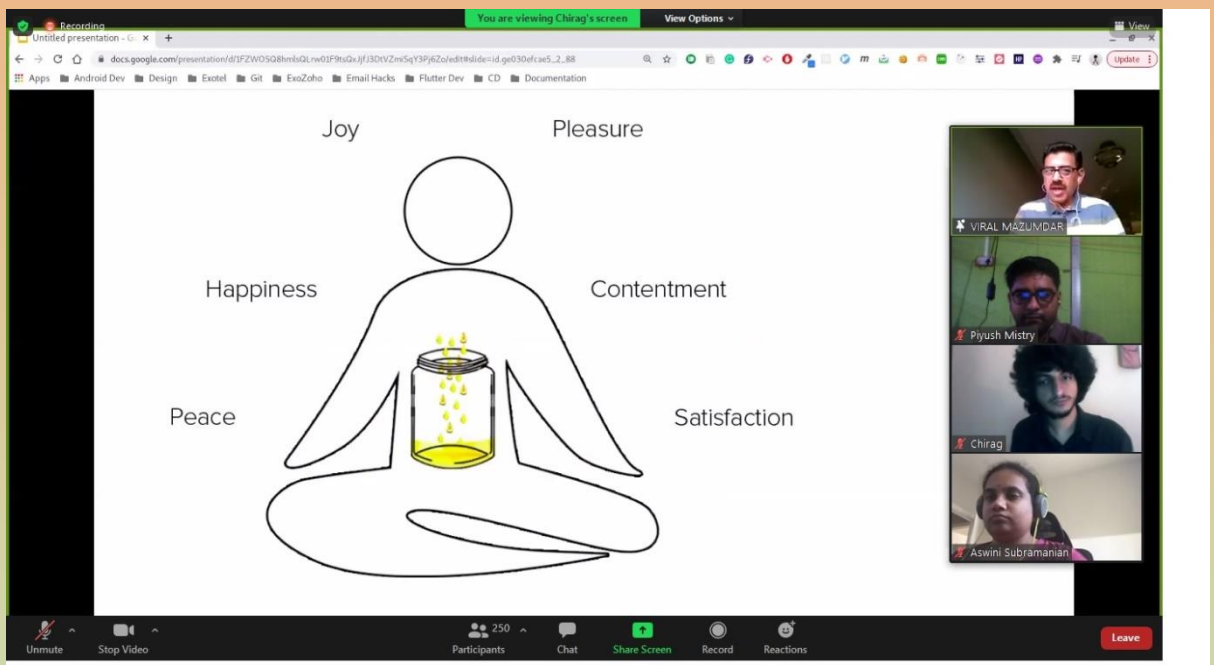


Virtual Conference - Let's Make A Difference (LMAD)

Seven days Virtual Conference of Initiatives of Change (IofC) - Let's Make A Difference (LMAD) was held on Zoom platform from 1st June 2021 to 7th June 2021. Organised by IofC ,the conference was attended by 300 participants from 4 countries and 29 states of India.

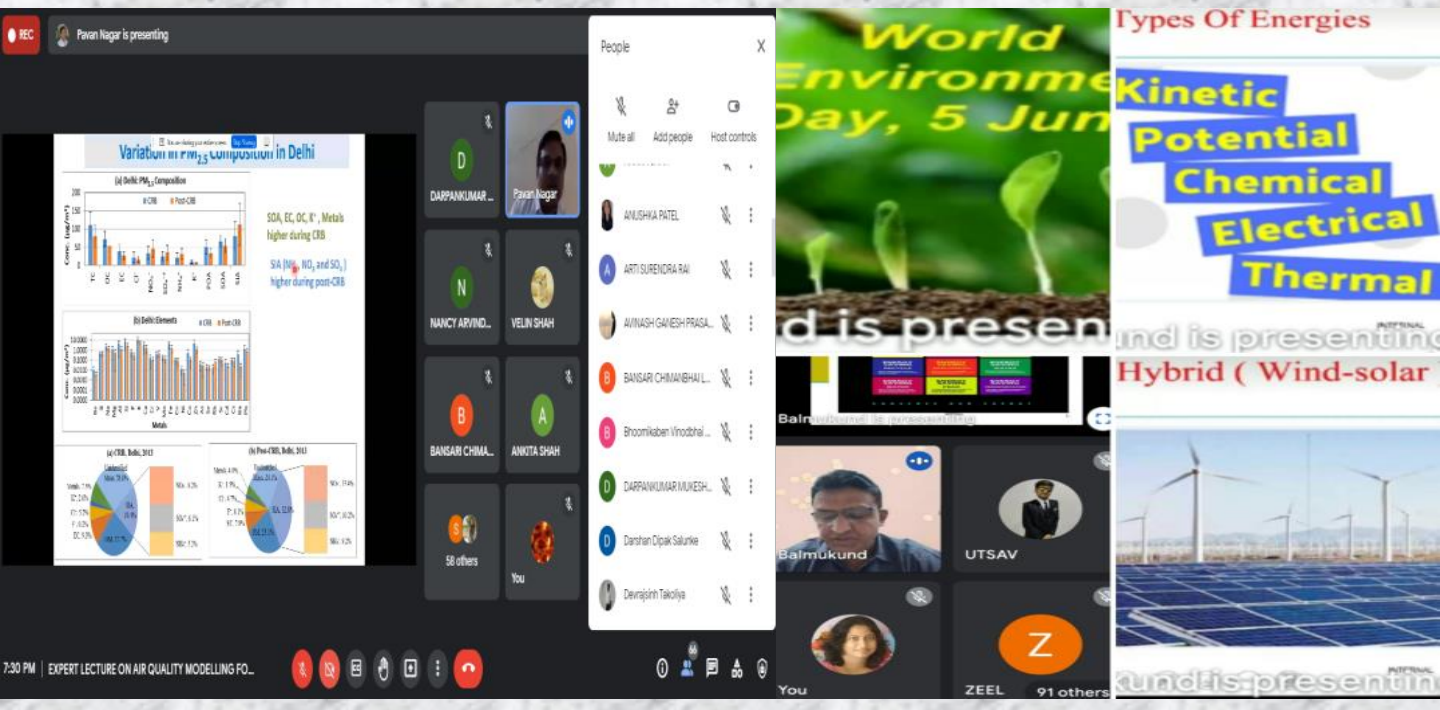
LMAD is a national youth conference running successfully for the last 26 years at Asia Plateau, Panchgani with National and International conferences based on ethics and moral values. LMAD encourages every individual to find his/her unique ability to contribute to prosperity by following the absolute moral standards of honesty, purity, unselfishness and Love. Mr. Viral Mazumdar shared anecdotes which made enjoyable sessions with positive outcomes of introspection, inner peace, happiness, and satisfaction.

The Conference was attended by Dr. Piyush R. Mistry (Assistant Professor, MSH) and ten students of 4th semester from all the branches of SRICT.



Expert Lectures

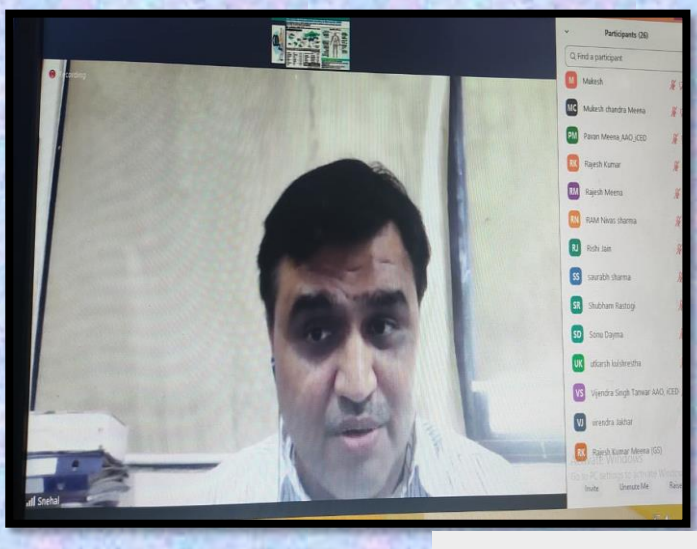
Sr:no	Speaker	Topic	Designation	Organised by
1.	Mr. Pavan Nagar	“Air Quality Modelling".	Project Executive,IIT Kanpur	EST
2.	Mr Balmukund Thakker	Renewable Energy &Carbon Neutrality	Head Electrical, Lanxess ,India pvt Limited	MSH
3.	Prof. Mukesh Sharma	Restoring National Air Resources	Fellow National Academy of Engineering, IIT Kanpur	EST
4.	Mr. Prashanth Gottappu	Maintenance Practices with NFPA 70E Approach Boundaries	Director, Progility Consulting Services	EE

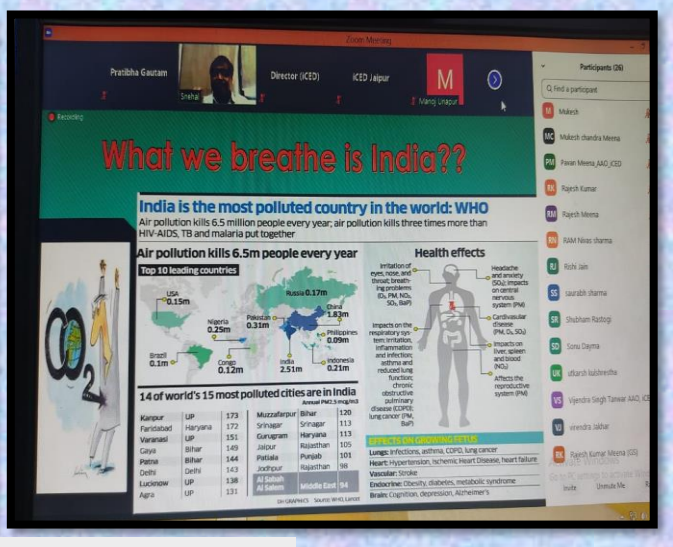


Glimpses of Expert Lectures

Guest Lecture at ICED

Dr. Snehal Lokhandwala was invited as an expert to deliver a lecture on "Impact of Covid-19 on Environment : A brief study in Indian Context“ on 1st June 2021 which was organized by International Centre for Environment Audit and Sustainable Development (ICED), Jaipur.





Glimpses of Guest Lecture

JSW Steel, Toranagallu, Karnataka Industry Visit

Department of Electrical Engineering, SRICT & IE(I) Student Chapter Electrical Engineering jointly organized a Virtual Industry visit of JSW Steel, Toranagallu, Karnataka for 5th Semester Electrical Engineering students on 13/06/2021. JSW Steel Ltd. is an Indian multinational steel making company and one of the fastest growing companies in India with a global footprint in over 140 countries. The current installed capacity of the company stands at 18 MTPA. During the virtual visit students were shown the Blast furnace & Slack area. Students were also shown a case study of a blast furnace transplant using single block method which was first of its kind in India. Students enthusiastically attended the session and cleared their doubts.

Glimpses of Industry Visit

From the T&P Cell

Congratulations on your New Job!!

Vidya Jadav

Pawaday Juily

Dixit Amipara

Francis Lance

Sr:no	Name of student	Branch	Industry placed
1.	Suraj Kalariya	CE	Manmohan Minerals & Chemicals Pvt ltd
2.	Sumit Soalnki	EE	Manmohan Minerals & Chemicals Pvt ltd
3.	Jemin Makani	CT	Parikh Enterprises pvt ltd
4.	Dhruv Rabadiya	CE	Star Oxochem
5.	Pawaday Juily	CE	JRF SRICT
6.	Dixit Amipara	CE	Sajjan India Ltd
7.	Dhruv Patel	CE	Sajjan India Ltd
8.	Vidya Jadav	CE	Sajjan India Ltd
9.	Jay Patel	CE	Sajjan India Ltd
10.	Ayush Shah	CE	Bectochem
11.	Rutvij Chauhan	CE	Bectochem
12.	Nirali Suvagiya	EST	Siddhi Green Consultancy
13.	Ramesh Rajpurohit	CT	Heubach Colour Pvt ltd
14.	Francis Lance	CE	Heubach Colour Pvt ltd
15.	Tarun Karnani	CE	Heubach Colour Pvt ltd
16.	Tejas Chauhan	CE	Nocil ltd
17.	Ashutosh Upadhyay	CE	Nocil ltd
18.	Divyang Rana	CE	Nocil ltd
19.	Prit Patel	CE	Nocil ltd
20.	Dax Tailor	CE	Nocil ltd

EnCon Forum - SRICT

An EnCon (Energy Conservation) Forum of SRICT is a student's lead forum in the field of Energy and its conservation. The vision of this forum to develop future energy leader. The objectives of the forum are

1. To create energy awareness among students

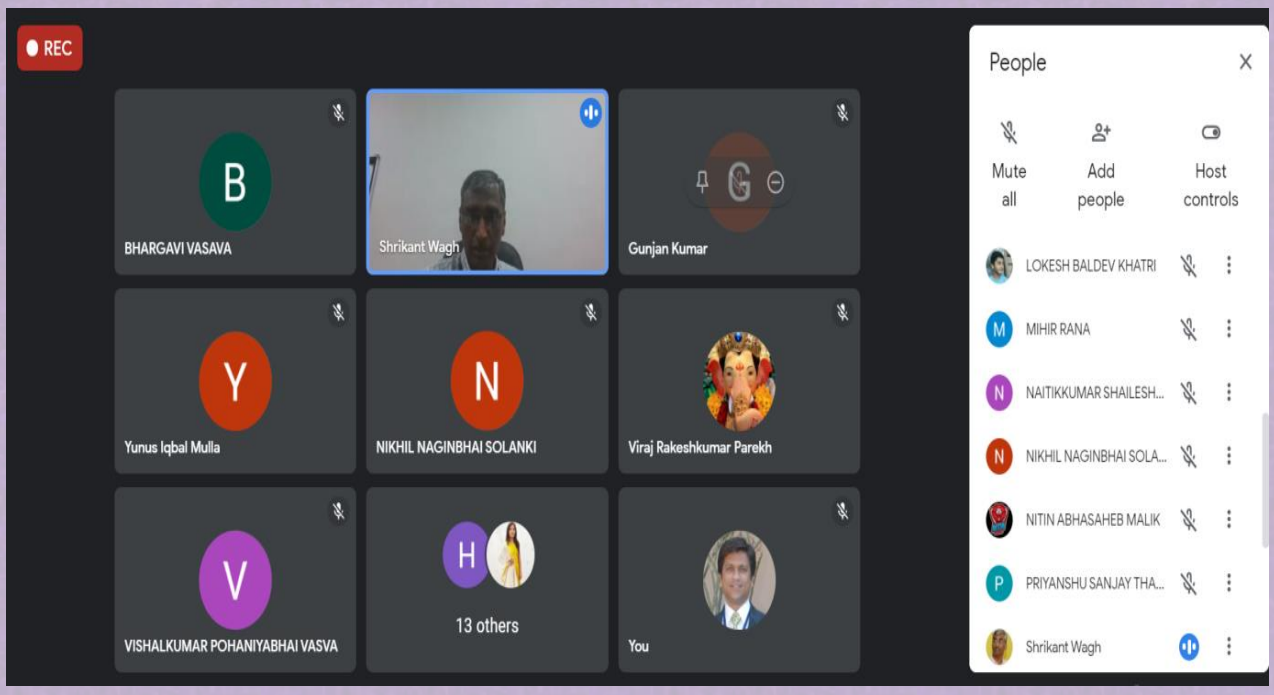
2. To educate and enhance learning capacity of the students in the field of Energy especially renewable energy.

3. To provide a platform for students to connect with global industry in the field of energy.

4. To provide information in recent trends, opportunity and innovation in the field of energy and its conservation.

Currently 74 Mechanical and Electrical engineering students of SRICT are members of the forum.

Based on above vision and objectives of the forum, an online orientation meeting was held on 14/6/21. Mr. Praful Chudasama briefly explained the overview of EnCon Forum of SRICT. Dr.S.J Wagh, Principal gave motivational speech and declared the EnCon Forum organising committee for the year 2021-22. Mr. Chirag Modi, Sem 5th, ME and Mr. Siddhrajsinh Gohil, Sem- 7th ,EE were declared as Convenor and Co-Conveyor of the forum. Mr Praful Chudasama, Asst. Professor, EE and Mr Gunjankumar, Asst. Professor, ME were appointed as mentors of the forum.



Ms.Bhawna Sharma
Administrative Assistant

Positive Thinking and Self-Confidence

"Well said by "Winston Churchill" The Pessimist sees difficulty in every opportunity.
The optimist sees the opportunity in every difficulty."

When you think and talk about what you want and how to get it, you feel happier and in greater control of your life. When you think about something that makes you happy, your brain actually *releases endorphins*, which give you a generalized feeling of well-being.As a result, you develop a positive attitude. Based on many psychological tests, happy people seem to have a special quality that enables them to live a better life than the average. Can you guess what it is? It's the quality of optimism!The best news about optimism is that it is a learnable quality. That means you can learn how to think positive by taking adopting an optimistic mind set.By the law of cause and effect, if you do and say what other healthy, happy people with positive attitudes do and say, you will soon feel the same way, get the same results, and enjoy the same experiences that they do.

Optimists seem to have different ways of dealing with the world that set them apart from the average.

1. First, they keep their minds on what they want, and keep looking for ways to get it. They are clear about goals and they are confident that they will accomplish them, sooner or later.
2. Second, optimists look for the good in every problem or difficulty. When things go wrong, as they often do, they say, "That's good!" And then set about finding something positive about the situation.

What we know is that, if you are looking for something *good or beneficial* in a person or situation, you will *always* find it. And while you are looking, you will be a more positive and cheerful person.

Optimists seek the valuable lesson in every setback or reversal. Rather than getting upset and blaming someone else for what has happened, they take control over their emotions by saying, "What can I learn from this experience?"

Training your mind to think positive can be achieved by leveraging a simple concept. Your mind has enough bandwidth to only focus on one thought at a time. All you have to do is keep it focused on uplifting thoughts until you form the same types of neural pathways that are created when you establish a new habit.

When a negative event occurs, remember that it's your response that truly determines the outcome. Always look for the positive response or optimistic lesson when such events take place.

Positive affirmations are positive phrases that can be repeated over and over to teach you how to get rid of negative thoughts and encourage a positive attitude.

Resolve from now to see your glass of life as half full rather than half empty. Happy people give thanks for the many blessings in life rather than worrying or complaining about the things they do not have.

Assume the best of intentions on the part of everyone around you. Most people are pretty decent, honest and are trying to do the very best they know how to. When you look for something good in their words and actions, you will almost always find something.

It is easy to be cheerful when everything is going according to plan. But, it is when you encounter unexpected setbacks and difficulties that you demonstrate to yourself, and the world around you, what kind of an attitude you really have.

Developing a positive attitude can help you in more ways than you might realize. When you think positive thoughts, you don't allow your mind (conscious or subconscious) to entertain any negative thoughts or doubts.

After you learn how to think positive, you will notice amazing changes all around you. Your brain will actually begin to operate in a state of free-flowing feel-good hormones called endorphins, which will make you feel lighter and happier. You'll also notice a major boost in confidence and will feel more capable of taking on new assignments and challenges that might have previously been outside your comfort zone.

LITERATURE AND TECHNOLOGY

Dr. Deepika Shah
Associate Professor

In all developing technology, anxious announcements of everyone's catastrophic impact on literature tend to be made. The book's cultural authority threatens, shatters attention or destroys reading from TV or tablet computers and/or smartphones. Someone calls each new technology the death of grave literature. Sven Birkets wrote The Gutenberg Eligies in 1992, just as personal computers became truly ubiquitous (though before the World Wide Web), and he predicted that the book would quickly decline and become merely a part of a "researcher order" that took not only our sense of historical depth and continuity, but also that our very selfhood is spread to an unlimited, random network. New Technologies of Communication often create new frameworks that adjust the literature: the page, screen, website, file etc. The innovation of the printed book is a good example of a technology which many elites considered dangerous when it first appeared to easily reproduce. However, the appearance of the history of cultural interactions with technology suggests that while the hopeless proclamation of each new type of communication is complemented, literature itself shows the ability to adapt and evolve to new material conditions. This can be illustrated with the late 19th century electrical revolution in comparative terms with the reactions a century later to our own digital revolution. The rising tide of nerve breakdown was frequently attributed by Victorian nerve physicians to over-stimulation of unprecedented cities. Humanity in the West lived in artificial, technological environments increasingly framed. Neurasthenia was often referred to as' Americanism 'or' Londonism, ' in order to reflect its modernity. In the 1890s, the writer Grant Allen had been complaining about the facts overloading himself: several daily and evening journals, two postal supplies a day, telegrams that could at any time shake calmly (let alone the clockwork phone) and new transport that was much faster than the horse's natural rhythms. Cities had a great deal to offer – plays, music halls, drink denses, journals, magazines, popular literature – throughout the night. No wonder everybody suffered from nervous exhaustion, including Allen. Grant Allen is a good example of a late Victorian author with a career that has been effectively invented through new printing technology platforms. As a scientist unable to find work, he began writing short scientific journalism articles for a rapidly growing daily, weekly, and monthly print culture, which was fueled in part by educational reform, but primarily by innovations in printing presses that reduced costs.

By the 1890's, sketching and photograph reproduction were cheap, omnipresent and millions of mass literature were sold every day for illustrations. Almost accidentally, Allen discovered that the new papers created short fiction spaces ("short storey" in this environment was invented), and that they paid far better than factual reporting Although he disdained the supernatural, he wrote Ghost stories and Gothic horrors and accidentally helped to invent the scientific romance. The more well-known G Wells, followed the same course in the 1890s from science education, journalism, and Allen's debt, The Time Machine, sometimes claimed to be the first 'science fiction,' was recognised and acknowledged.

- Compiled by Dr. Deepika Shah,
- Resources: British University Library

Burj Khalifa – An Epitome of Modern Construction.

Ms. Aakancha Sanjeev Kumar
Assistant Professor

Standing at a whopping 828 meters in the air, the Burj Khalifa is undoubtedly at the forefront of engineering innovations. When the structure was at its peak, 12,000 workers worked on it per day and it took 22 million man-hours to complete.

Building such a tall structure came with its own set of engineering challenges and marvels. 1. One of the first challenges of the Burj Khalifa was that the building had to withstand extreme heat, reaching more than 50 degree Celsius in summers. Accounting for that, an exterior cladding made of reflective glazing with aluminium and textured stainless steel panels were made. 300 cladding specialists were roped into individually hand-cut approximately 26,000 glass panels. 2. At the foundational level, the tower is supported by a reinforced concrete mat nearly 13 feet (4 metres) thick, itself supported by concrete piles 5 feet (1.5 metres) in diameter.

3. The hot climate also posed a condensation challenge and around 15 million gallons of water gave off from the structure. To make up for it, a separate piping system was created to hold a tank in the basement to store the water.

4. Wind loads were another structural challenge that the Burj Khalifa faced during construction. To understand the behaviour of the wind and the amount of stress it could place on the building, the design team conducted over 40 wind tunnel tests. The top structure of the Burj Khalifa was made to resemble the letter 'Y' and each of the three wings of the structure buttressed others through this central core.

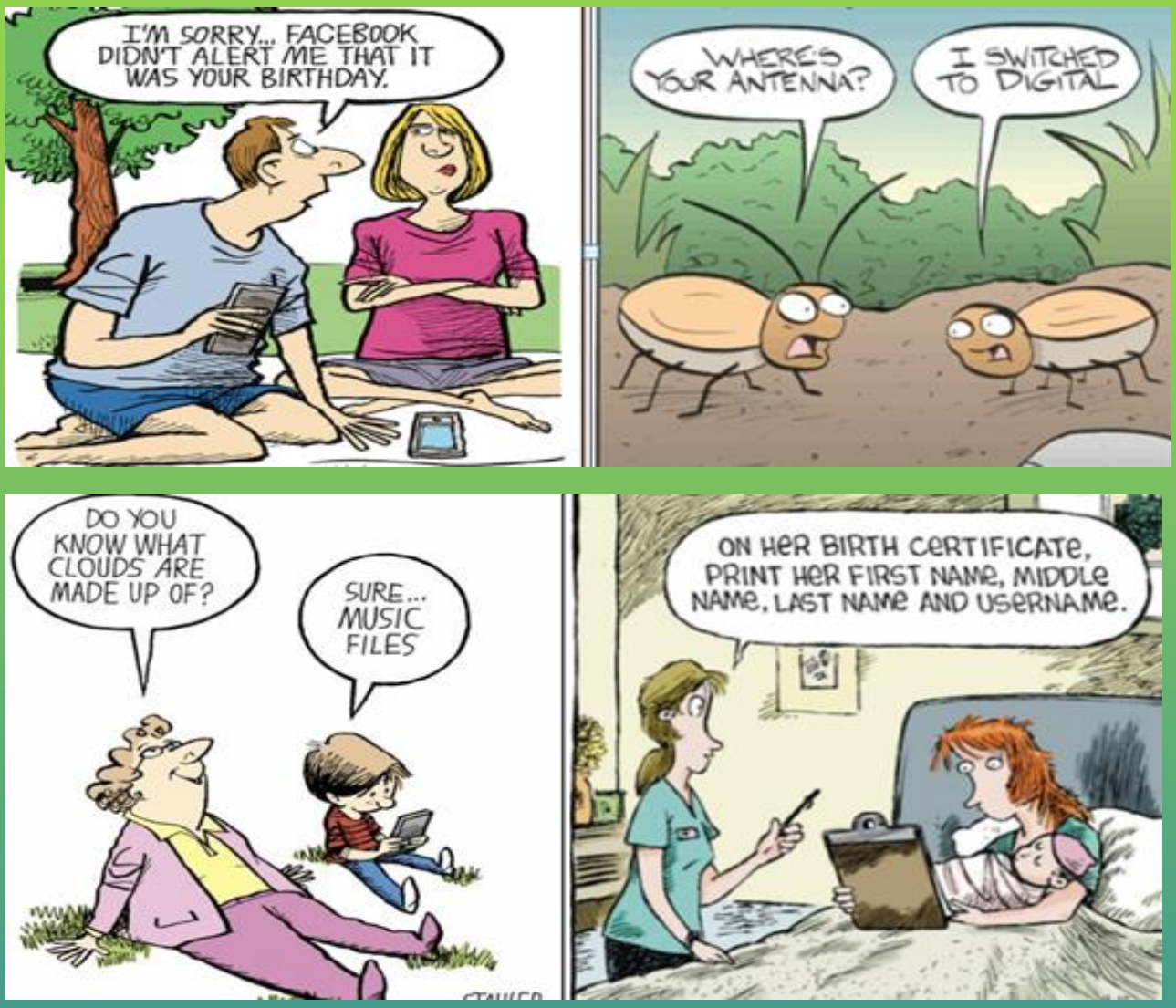
5. Burj Khalifa broke numerous other records, Tallest building in the world, Tallest free-standing structure in the world, Highest number of stories in the world, Highest occupied floor in the world Highest outdoor observation deck in the world Elevator with the longest travel distance in the world, Tallest service elevator in the world

6. It is now known that the combined weight of the concrete used for building the Burj Khalifa is equivalent to 100,000 elephants. The engineers had to mix the concrete with ice and pour it in the structure at night to skip the hot climate. This cooler mixture was also less likely to crack.

7. The total weight of all the aluminium used on the Burj Khalifa surpasses that of five A380 aircraft. These panels were lifted using a series of cranes and installed by specialists.

Funs upon a time…

Compiled by Patel Prince Mukeshbhai 2nd ME



Courtesy to www.gocomics.com

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