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SRICT

Rotary Ankleshwar

SHROFF SR ROTARY INSTITUTE OF CHEMICAL TECHNOLOGY

Kathan

ज्ञानम् यजामहे ।

April 2021

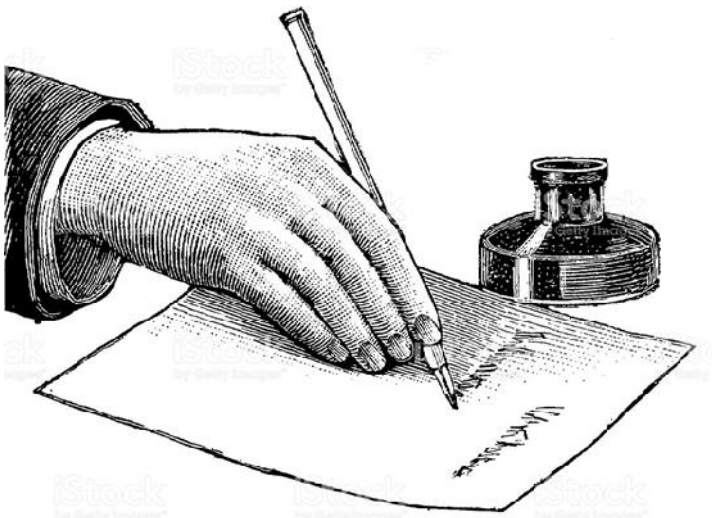
29th Issue

EDITORIAL MESSAGE

It gives us great sense of achievement and pride to place this issue of KATHAN-29 on your online platform. This issue is focused on the theme of digital revolution.

An explosion in information technology is re-creating the world, leaving no aspect of society untouched. In the space of 50 years, the digital world has grown to become crucial to the functioning of society. The revolution has proceeded at breakneck speed — no technology has reached more people in as short a space of time as the Internet. Emerging technologies such as artificial intelligence are sometimes greeted with fear. As competition increases innovation is being considered as the key factor for success. The positive impacts of the revolution of digital technology include the fact that it has enhanced interconnectedness among people. The new innovations have also brought about economic growth through globalization whereby one can even buy and sell products online without necessarily having to travel long distances in order to carry out negotiations and so everyday life of people has been made easier. But this digital outbreak increased concerns about the adverse effects of smartphones, video games and social media on our mental well-being.

STAY HEALTHY, SAFE @ DIGITALLY CONNECTED!!



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Principal's Message

Dear Readers of KATHAN from inside and outside SRICT, My Hearty Greetings to all of you for fighting COVID19 and staying safe and healthy. We all not only have fought Corona with courage but also emerged victoriously with innovative ideas. Let us celebrate the anniversary of covid19 by keeping in touch with each other through online contact.

SRICT has entered its tenth year of establishment. I must inform you that SRICT has started its UPL Centre of Excellence in Process Safety. This is a great activity of the institute in the technical field. Also, the Department of Environmental Science & Technology has undergone the most awaited visit of the NBA experts on 13th and 14th March.
Kathan 29 will mirror many such new and routine activities, and I hope it will make an interesting reading for you. Please send your views about this issue to make the next one more interesting and worthy.

I extend my warm feelings to the editorial team of this e-newsletter with a promise to readers of an enriched reading digest.

Dr. Shrikant J. Wagh
Principal, SRICT

Vice Principal's Message

It is a giant step forward for any academic institute when their students embark on the greatest adventure of discovering the wide world outside and the depths of the world within themselves. As we hold the little fingers and guide the young ones, we realize our responsibility of nurturing their curiosity, igniting their minds to pierce the skies, helping them to discover the world of books and richness of experience and master the magic of technology and the limitless span of cyberspace.

We, at Shroff S. R. The Rotary Institute of Chemical Technology believes that education is a process of awakening individual potential to creative knowledge, but more importantly enlightening students with the wisdom that they must **"never put a price tag on their heart and soul"**. We believe that 'individuals' are the atoms that hold tremendous power within to serve as agents of change and thus are confident that our students, enriched with a sense of high morality and social responsibility will be makers of a virtuous society. In a world of stiff competition, strife and unrealistic aspirations, it calls for sensitivity on our part as educators to help children understand that predicament is common to everyone. Problems and challenges need to be faced courageously with conviction in our principles and confidence in our inner strength and dreams.

At the outset, I would like to congratulate the team of 'Kathan' for one more feather in the knowledgeable, interesting, motivating and informative package of the institute newsletter, the reflection of SRICT. In this hard times, my message to all will be :

Life is just moments, So precious and few.
Whether valued or squandered, It's all up to you!

Prof. Snehal Lokhandwala
Vice Principal, SRICT

Message from an Industry Person

It is a great honor for me to share my thoughts & experience of my life with you all, who are the future of our industry.

The Shroff S.R Rotary Institute of Chemical Technology's basic academic philosophy is to focus on chemical Technology covering Engineering and other Technology courses.

In recent years, where academic scores are of great importance in measuring a students' ability & other spheres of life, further attributes are also equally essential or rather even more important for an industry owner that they look for in their workforce.

Think of yourself as a business owner; what are the qualities you would want to have in your workforce?

1. **Loyalty**: A person who is doing his work with all the loyalty. A person who is reliable, trustworthy, and who works for the collective good of the company. Someone who stands with the company in the rough times – this we learned from these difficult times of Pandemic.
2. **Learning Attitude**: *"A true master is an eternal student."* Your growth will never stop if you keep on learning every day. Having to understand the company's process and fitting yourself in the work environment even after years of experience can only be done with a constant learning attitude.
3. **Never Give Up:** So what does never giving up mean? It means believing in yourself. It means a willingness to accept "failure" so you can learn from them and move on. Don't set yourself some goals that you will never reach. You can set yourself some short-term and easy-to-achieve goals so that you will be more motivated to work hard.

Bringing the outside knowledge to your eyes is done by KATHAN's brilliant platform – The in-house magazine. It announces the excellent work you all are collectively doing

in various fields of life sciences to the world. This platform is imperative for all the stakeholders associated with it and more.

The plastic industry is one of the significant strengths of the Indian manufacturing sector. Several verticals depend upon plastics, including aerospace and automotive, for their existence—a crucial material for today's society, businesses, health, and economy. Concluding my message to you all is that you need a different perspective on your way to look at life, and you will understand how important they are. When you learn how to motivate yourself, the work will immediately become essential and meaningful in your eyes. I wish you all the best for your future!!

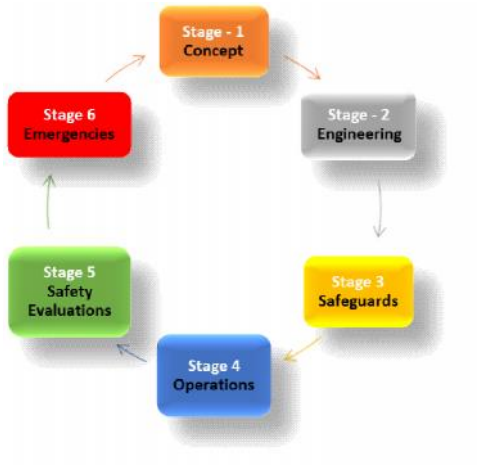
Nathubhai Dorik
Director,
JP Group of Industries

UPL CENTER OF EXCELLENCE IN PROCESS SAFETY (COE)

About CoE

The Center of Excellence (CoE) in industrial safety is established at SRICT-Ankleshwar, by the congruous collaboration of UPL Ltd. and GEXCON, Norway. The CoE is bracing up to accept challenges for making the industrial work field a safer place, protecting human lives, environment and properties. Zero accidents in industries is a reachable target when attitude of caring meets sharing of relevant knowledge.

Total Safety Solution Model Provided At CoE



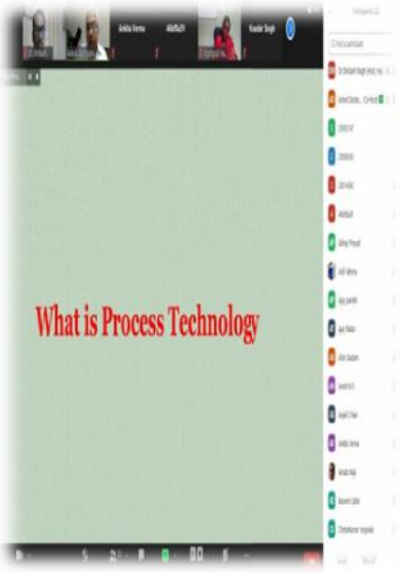
SRICT – CoE has developed a new model called Total Safety Solution (TSS). It has a unique concept of accommodating not only the elements of process safety management (PSM) in practical but merging it with Evacuation, Escape and Rescue (EER) concept by developing a video training. Taking outcomes of CFD based consequence analysis and animating it with advanced virtual reality (VR), for training employees and members of rescue team will undoubtedly help to reduce the time involved to control the event sequence(undesirable and unplanned) and thereby reducing the severity of consequences. Thus, the TSS will ensure achieving all three goals of saving human life, environmental damage and assets.

Activities of CoE

Online Training program on **"Fundamentals of the Process Safety Management"**

A five-day (22nd Feb to 26th Feb 2021) PSM training was organized by the UPL-CoE for the industrialists and professionals working in this field. This PSM training covered the 14 key elements of the Process Safety Management as per US OSHA 1910.119. The training was conducted by Mr. Ashok Ramakant Dashputre having more than

38years' of extensive hands-on experience and Leadership in Managerial skills in multinational industrial projects within power plants, fertilizer, petrochemical & refinery projects, onshore & offshore wellhead and process platforms.32 participants from all over the country took training from the versatile fields of Industrial safety. Following elements were covered as part of the program.



Ongoing Projects at CoE

Sr. No.	Date of Start of Project	Name of Industry	Project Proposal
1	05-03-2021	UPL Limited Vapi	3D Modeling, Consequences Analysis and QRA Study for UPL Unit-0, Vapi, Gujarat
2	10-03-2021	BEIL Infrastructure Ltd. Ankleshwar	Particulate Matter (PM-10) Dispersion Modeling Study for Ambient Conditions

ABOUT THE RESEARCH & DEVELOPMENT CELL & ITS INITIATIVES

1. Coordinator, Prof. Shrikant Wagh (Principal)
2. Co-coordinator, Dr. Swapna Rekha Panda (Associate Professor, CE Department)

New thoughts and new ideas create new deeds. When they are for the betterment of society, the people around and the environment the goal fructifies. Unanimously we say that, cooperation spells success. We see research and development as a key element strategy for the success of any academic institute, may it be an autonomous institute or may it be a University.

To practically implement the above vision, we the SRICTians have a dedicated R&D Cell. SRICT wants to create a strong footprint in the research area in coming times. Particularly, research on industry problems is the focus. A TEAM R & D is framed under the mentorship of our Principal Prof. Wagh under due approval from our honorable VC, A.A Panjwani sir. To increase the expanse of research activity and forge ahead to create research culture in a long run, it is required that a team works for the cause actively in diverse directions. The work entails planning, brainstorming, executing, directing, reviewing, approaching industry, fetching grants and funds from Govt. and non-govt. agencies, and seeking guidance from field experts on national and international levels.

Currently we have several ongoing consultancy projects from various industries like BEIL, ETL, UPL, Shivalik, Subhasri paints, GPCB, Ami Polymers. Our faculty members work on several project objectives like converting waste to resources, MSW conversion from fuel to energy, paint sludge to primer, extraction of silver and mercury from effluent wastes, recovery of metallic components from E-waste. In addition, our institute has signed an MOU with Ami-Polymer and our key faculty members are carrying out some innovative research on diversified fields on coating, material synthesis and on zero emission of liquid effluents.One such prestigious project entitled with us currently is regarding the Design, Development & Experimental Analysis of combined focus solar collector for 1kW power generation. Grant of 11.66 lakhs for 2 years from GUJCOST, Gandhinagar is already sanctioned to SRICT under Principal coordinator,Dr.Hemant Gupta.

Dr.Shah, the retired senior scientist from BARC, Mumbai is helping and supervising the projects from time to time to give an insight to those projects.
The team along with the faculty members of SRICT is also involved in collaborated cum outcome-based research with other Universities like Manipal University, Nirma University and Lovely Professional University. In coming timings our R&D team is intending to work on upcoming fields like purification of spent acid and its conversion to hydrogen, storage and utilization of hydrogen, carbon capture, on renewable source of energy like solar energy, sustainability topics, membrane technology, etc.

In coming times, the team will work on the latest technological updates, a time lined frame of specific targets/goals, develop new innovative ideas to serve the needs of the market segments in which we the SRICTians can strive to become an entrepreneur or an industry consultant parallelly being in the academic field.

The initiatives taken to meet the vision and areas of agreement of the upcoming research by the R&D cell will be executed by the members in the team (R&D team) as follows

1. Dr Alok Gautam
2. Dr Omprakash Mahadwad
3. Dr Purvi Nail
4. Dr Hemant Gupta
5. Dr Deepika Shah
6. Dr Swapna Panda
7. Dr Jalpa Thakkar
8. Ms. Pratibha Gautam

1. R&D Team Mission:

- To focus on innovative work based on the self-driven research field.
- To develop new ideas for innovative technologies based on interdisciplinary research.
- To execute research which will help us to get value added marketable product that are environment-friendly.

2. Top three R&D Team goals

To monitor new developments in all diversified fields of engineering other than the conventional core fields of engineering by providing exposure to SRICT staff/faculty members with effective ongoing training, education, that can lead to develop patentable market product having equal potential for technology transfer.

A. To develop competences and networks. Motivate our faculty members to their self-growth so that they concentrate on research related activities, in addition to teaching, publish research articles in reputed refereed international and national journals with good impact factors.

B. Pursue efforts to write books, book chapters, short research articles, review papers, monographs for publication by International and National publishers of repute.

C. Undertake consultancy projects sponsored by both Government and Private Sectors. Encourage faculty members to submit proposals and secure funded research projects from various funding agencies in India and abroad.

FELICITATIONS

The ARES management does not leave any stone unturned when it comes to appreciating our students for their academic performances or motivating them to set higher targets!!

The Mathematics, Science and Humanities department organized yet another round of online felicitation program on 16th February, 2021 to hold high our adoration of hard work and diligence that students have shown in semester 6 GTU exams. The chief guest of the event was Executive Director, Heubach Colour Pvt. Ltd. India, D. K. Rana. Students who marked an improvement ranging from 8.5-8.99 in SPI were felicitated in the first category. We fondly recognize the loving touch and care of parents whose constant goading is an inevitable factor behind each success story of SRICT .We had two such proud parents Mrs. Vandana Prasad and Mr. Prabhudas Patel sharing their blessings and regards on the winners of the day. Vice Principal, Dr. Snehal Lokhandwala, addressed the students and appreciated them for their academic efforts which was followed by the felicitation of students of improvement in the category of 9:00-9:45.ARES Treasurer, Mr. Kishore Surti also showered his blessings and best wishes on the prize winners. Next category of improvement was 9.5-9.99 SPI. Advocate Angiras Shukla, honorable secretary ARES, addressed the winners and shared his best wishes in the program. The last but the top most category was of 10 SPI was announced and was followed by messages by the Principals of two leading schools Mr. Prakash Mehta, Principal Amity school Bharuch and Mrs. Mamta Kumar, Vice Principal Sanatan International Academy, Ankleswar. Chief Guest, Mr. DK Rana shared his message and motivated the students for higher achievements in their studies and future career. This was followed by the announcement of UPL sponsored gold medals by the Vice Chairman ARES .Mr. Ashok Panjwani. The gold medal winners are Jadhav Vidya Dadasaheb (CE), Aditya Chomal (CT), Jaiswar Manishkumar Vijaybhai (EE), Prajapati Unnati Rajubhai (EST). An amount of 2, 90,000 rupees was distributed to the students as a cash prize apart from the gold medals. Mrs. Sandra Shroff, Chairperson ARES addressed the students and expressed her joy on this achievement and heartily congratulated the winners. Vote of thanks was proposed by Dr. Purvi Naik, HoD Mathematics, Science and Humanities Department and coordinator of the event.

WOMEN'S DAY CELEBRATIONS AT SRICT

On the occasion of International Women's day - 8th March 2021, Women Development Cell of Shroff S R Rotary Institute of Chemical Technology organized "Successful SHE- An Open Interview" with Ms. Aartee Patil - Managing Director - Helsa Icon India Pvt. Ltd. (Best Woman Entrepreneur for the year 2004-05 and 2009-10 by the federation of Andhra Pradesh Chamber of Commerce) to celebrate womanhood and to share the story of a successful woman-entrepreneur. The program was coordinated by Dr. Jalpa Thakkar, HOD Electrical Engineering. More than 110 girl students including alumni took part along with the female faculties and staff members.

ACHIEVEMENTS UNDER SSIP/START-UP/GIC

- 19 teams got shortlisted for Smart Gujarat for New India Hackathon 2019-20 of total 1519.
- 27 students from various departments participated in 36 Hours non-stop hackathon along with Dr. Divyangkumar D. Patel and Mr. Ankur Gheewala as mentors on 24th and 25th February, 2020.
- One group of students (Mr Raj, Mr. Jamin, Ms Rittal, Ms. Nidhi, Ms. Hitesh) under the guidance of Mr. Harshal Patil from CT department got selected for Final round of Smart Gujarat for New India Hackathon 2019-20. (Final round is pending due to COVID 19)
- Rs 4,00,000 is granted by SSIP and another 4,00,000 Rs will be contributed by SRICT management for Innovation and Entrepreneurship Development of Students in next 2 years.
- First installment of Rs 50,000 is received by SRICT.
- Various grants received by students and faculty members are given in the table below.

Dept.	Name of mentor	Name of group leader	Title of project	Grant Approved (in RS)	Date of Grant Approved
CE	Mr. Chintan Modi	Makwana Dakshkumar A.	Artificial silk	34,000	7/03/2020
CE	Dr. Shina Gautam	Dave Ananya Viplav	Utilization of pyrolysis carbon for wastewater treatment	65,000	7/03/2020
CE	Dr. Alok Gautam	Bhavsar Krutikaben C.	Manufacturing biofuel from waste cooking oil	69,000	7/03/2020
CT	Dr. Jigisha Modi	Devarshi Vyas	Microbial fuel cell	1,89,290	30/06/2020
ME	Dr. Divyang Patel	Meet	Automatic Solar Panel Cleaning Machine	26452	19/09/ 2020
ME	Dr. Divyang Patel	Aman	Adjustable Multi Spindle Drilling Attachment	59272	19 /09/ 2020
CE	Gunjan Kumar	Jay Patel	Geometric modification and experimental investigation of linear Fresnel collector for process heat generation	83207	24/02/2021
EST	Bhasha Mehta	Himanshu Tripathi	Treatment of Effluent having high concentration of ammonical nitrogen by Fenton process and its combination	25000	26/02/2021

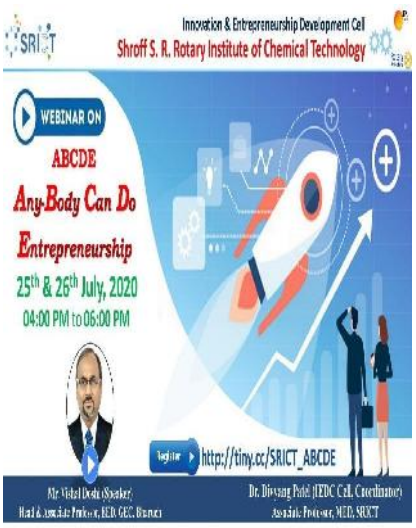
Activities under SSIP/Start-up/GIC

- SRICT Innovation and Entrepreneurship Cell Inauguration was done on 17 Jan 2020 at the hand of Dr. Sachin Parikh, HOD, Chemical Engg. Dept, LDCE, Ahmedabad (Chief Guest), Mr Nikhil Kulkarni (Guest of Honour), Mr. Ashok Panjwani (Vice-Chairman, ARES) and Dr. Shrikant Wagh (Principal, SRICT).
- Induction Program following Inauguration was successfully organized by SSIP team on 17thJanuary, 2020.
- Dr. Divyang Patel, along with Divyank Bhavsar (sem 4, ME) and Pawar Vishal (sem 4, ME) attended GTU Patent Filing and Screening Workshop (phase 1) on 06th January, 2020
- Motivational session was conducted for all branches (CE, CT, EST, EE and ME) of sem 4 and sem 6 students between 11th and 13th April 2020.
- A Webinar on "Start-ups: Digging for Gold" was delivered by Mr. Kamlesh Dand, Partner in Safety Services on 27 April 2020.
- A Webinar on "Entrepreneurship and Startups" was delivered by Dr. Divyangkumar D. Patel for Industry and Academia on 5th May 2020.
- Dr. Nilesh P. Badgujar submitted two start up ideas (N-95 alternative masks and 3-ply surgical mask) to the ministry of Health and Family Welfare to combat COVID -19
- Webinar on ABCDE: Any-Body Can Do Entrepreneurship was delivered by Mr. Vishal Doshi (Head and Associate Professor, Electrical Engineering Department, GEC, Bharuch) on 25th and 26th July 2020, 4:00 to 6:00 PM.

SSIP
Student Startup Innovation Policy

Innovation & Entrepreneurship Development Cell, Awareness Programs

Title: Start-ups: Digging for Gold Date:.27 April 2020 Time: 4:00 to 5:00 PM **Registration Link:** https://forms.gle/EHxjoPFb376ykeDD7 **Speaker:** Mr. Kamlesh Dand, **Coordinator:** Dr. Divyang Patel (IEDC Cell, SRICT) **Target audience:** Students of SRICT. **Online Platform:** Zoom **Maximum Participation count reached:** 30 **Important Points Discussed:** ● Where there is a will there is a way ● When, What, Where and How of Money, Man, Market, ● This is the Golden Age for Startups	
Title: Entrepreneurship and Start-ups **Date:** 05th May 2020 **Time:** 5:30 to 6:10 PM **Speaker:** Dr. Divyang Patel, Associate Professor, MED, SRICT **Coordinator:** Dr. Divyang Patel (IEDC Cell, SRICT) **Target audience:** Students of SRICT and nearby colleges and persons from nearby industries. **Online Platform:** Zoom **Approximate no of Participation:** 45 **Important Points Discussed:** ● Difference between Entrepreneurship and Startups ● 6 Types of Startups and Entrepreneurships. ● Success what people see is only tip of the iceberg	

Title: ABCDE: Any-Body Can Do Entrepreneurship. **Date:** 25th and 26th July 2020. **Speaker:** Mr. Vishal Doshi (Head and Associate Professor, Electrical Engineering Department, GEC, Bharuch) **Coordinator:** Dr. Divyang Patel (IEDC Cell, SRICT) **Maximum Participation count reached:** 128 (day1) and 104 (day 2) **Points Discussed:** ● Any-Body Can Do/ Dream Entrepreneurship ● Different stages such as identifying the need, forming a team, selecting a mentor/guide/coach, arranging for the money, utilizing time and energy etc were discussed in detail	
Title: Introduction to Intellectual Property Rights **Date:** 17 th , October, 2020. **Time:** 3:00 to 5:15 PM **Registration Link:** Open for all (meet.google.com/iru-njtk-idn) **Session 1:** Introduction to Patent, Patent Search and Drafting. **Speaker:** Dr. Divyangkumar D. Patel **Session 2:** Various Types of Intellectual Property and its application **Speaker:** Mr. Samik Bhatt. **Coordinator:** Dr. Divyang Patel (IEDC Cell, SRICT) **Target audience:** Students of SRICT (3rd, 5th and 7th sem) **Online Platform:** Google Meet (meet.google.com/iru-njtk-idn) Maximum Participation count reached: 35 Points Discussed: ● What is Patent? And its importance. ● The Three Criteria of Patentability. ● What cannot be patented under section 3 and 4 ● Case studies. ● Who can file the patent? ● Patent Support of up to 25000 Rs for Patent Filing. ● Safe guarding from Novelty Killers.	

INDEPENDENCE DAY CELEBRATIONS 15TH AUGUST, 2020

The Department of Environmental Science & Technology organized 74th Independence Day Celebrations at the campus.

Flag hoisting was done at the hands of the Chief Guest: Rtn. Rajesh Nahata (President Rotary club of Ankleshwar). The occasion was also graced by Rtn. Manisha Arora - President Inner Wheel Club.Members from Rotary, Principal, Vice Principal, HODs, Faculty members and staff attended the flag hoisting ceremony.

Flag Hoisting was followed by online cultural programmes of dance , music and patriotic songs by the students and Alumni of SRICT. The event was streamed online for students and other distant viewers. Programme was followed by high tea and refreshments.

REPUBLIC DAY CELEBRATIONS 26TH JANUARY, 2021

The Department of Environmental Science & Technology organized 72nd Republic Day Celebrations at the campus. Flag hoisting was done at the hands of the Chief Guest, Rtn. Arun Joshi (Director – Surya group of Industries). Members from Rotary, Principal Dr.Shrikant Wagh, Vice Principal Dr.Snehal Lokhandwala, HODs, faculty and staff members attended the flag hoisting ceremony. This was followed by online cultural programmes which included dances, and music-both instrumental and vocal-by the students and alumni of SRICT. The event was also streamed online for students and other distant viewers. Programme ended successfully with high tea and refreshments.

VIRTUAL LABS TRAINING SESSION

"Hands on VLABs Training for diploma studentswas organized on virtual forum by Department of Chemical Technology and SRICT on 11th September 2020. 42 students participated in the event. Dr. Jigisha Modi was the coordinator turned anchor throughout this event. Welcome speech was offered by Prof. Dr. Omprakash Mahadwad, Head, Chemical Technology department. Mr. Dipen Chauhan explained two comprehensive virtual lab sessions of IIT Guwahati for the students who were very much impressed to have undergone such a VLAB session that made them have a virtual experience of hands on experiments in college labs which they were unable to perform for months together due to the ongoing pandemic situation. VLABs are the only obvious options, even facilitated by MHRD nowadays to compensate the lacunae of performing the practical sessions by the students. Students were amazed with having their queries answered and they took spontaneous interest to offer their feedback for the event.

AIMA PROFESSIONAL MANAGEMENT COURSES

Shroff S R Rotary Institute of Chemical Technology is already a well-known industry academia collaborative venture where management is keenly interested in overall development of faculty, staff members and students with respect to the skills required by the modern industry. In this regard one more feather is added for skill development in the field of managerial philosophy in the form of a tie up with All India management Association (AIMA).AIMA is the apex body for management in India with over 38000 members and close to 6000 corporate /institutional members through 66 Local Management Associations affiliated to it. AIMA was formed over 60 years ago and is a non-lobbying, non-profit organization, working closely with industry, government, academia and students, to further the cause of the management profession in India.

AIMA makes a salutary contribution to management learning and practice in the country by offering various services in the areas of testing, distance education, skill development & training, events & conferences, research, publications, executive education and management development programs.SRICT is now the Coordination Center No. 357 of AIMA and offers working professionals a career development opportunity in management through their best management courses which include Post Graduate Diploma in Management (PGDM) and Post Graduate Certificate in Management (PGCM). The PGDM and PGCM courses are offered in the following specializations

- Human Resource Development
- Marketing Management
- Operation Systems Management
- Financial Management

SRICT has taken initiative to promote their employees to gain expertise in the field of management and have given an opportunity to its administrative staff to enroll for these courses by bearing 50% of payment of program fees for PGCM (Human Resource Development) offered by AIMA. The details of beneficiary staff are as follows.


Mr. Anil Parmar


Mr. Sudhir Patel


Mr. Brijesh Patel


Miss. Dipika Vasava

SHINING STARS OF SRICT

COMING SOON….9TH REVA FEST

We are happy to announce the upcoming REVA fest -The Annual Cultural Fest of SRICT.It is indeed a much awaited event for every SRICTians when the cultural talents are showcased in an aesthetic fervor.This time the event will be coordinated by the Department of mechanical Engineering. We invite all students to put out their best and participate in the event thereby making it a memorable experience to each and every one.

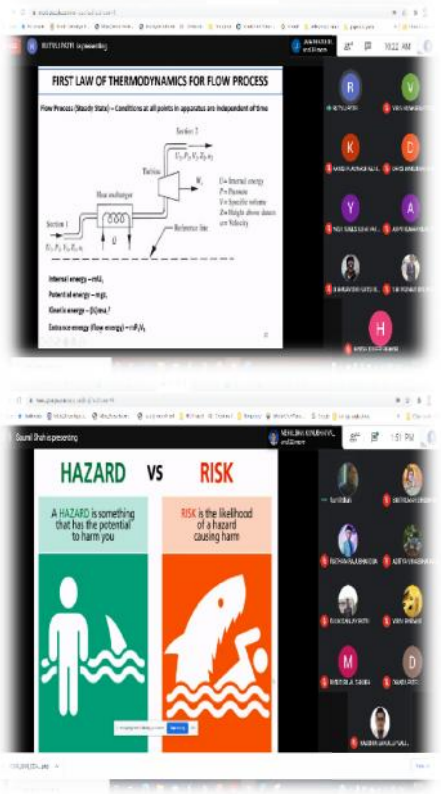
ACTIVITIES IN DEPARTMENT OF CHEMICAL ENGINEERING

IIChE Beststudent chapter award

IIChE student chapter of Chemical Engineering has received the best student chapter award 2020.

Expert Lectures

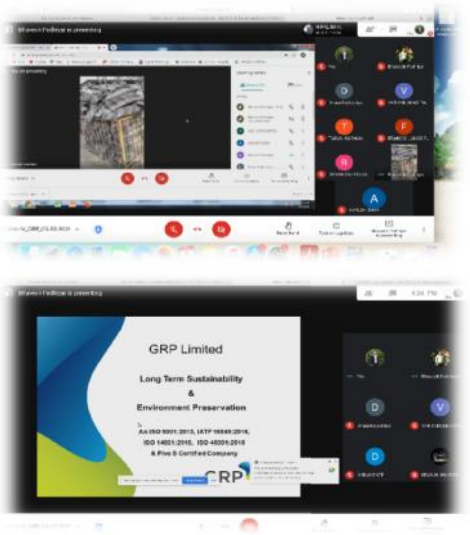
Topic Name	Name of Expert
Mass Balance, Material Balance	Mr. Rajesh Parikh, Consultant, BEIL
Process Simulation	Mr. Rilesh Mehta, Process Engineer, Solvay Specialities Ltd.
Safety in Chemical Industry	Mr. Saumil Shah, Senior Safety Officer, GNFC, Bharuch
Computational Fluid Dynamics	Dr. Vivek Vitankar, Director, FluiDimensions
Petroleum Refinery	Mr Sushil Kumar,Ex-President, RIL
Intellectual property rights	Dr. Bhaskar Edge, Retired Scientist, NCL Pune
Evaporation	Mr. Ravi Advani, Process Engineer Detox Pvt. Ltd., Ankleshwar,
Career Opportunities for Piping Design and Process Engineering	Mr. Ravi Jorigal, Faculty, Asian Academy of Professional Training, Pune
India's Nuclear Power Programme	Mr. Krunal Mistry, Senior Officer, BARC, Mumbai
Process Equipment Design	Mr. RP Parikh, BEIL, Consultant
Introduction to Process Safety	Mr. Prakash Dandawate, GM, GEXCON India
Process Engineering	Mr. Hiren Patel, Senior Process Engineer,Aker Solutions
Role of Chemical Engineers in Industrial and Academic R & D	Mr. Gunajn Kapadia & Co., Research Scholar, IIT Madras
Digital Transformation opportunities in the Chemical Industry	Mr. Vibhu Sharma, CEO, InnoVent Technology LLC
Equation of Continuity in Cartesian Coordinate	Prof. A. V. Patwardhan, Professor, ICT Mumbai



Glimpses of Online Expert Talks

Industry Visits

Solvay Specialties, Panoli	Aker Solutions, Mumbai
Atul India, Valsad	National fertilizer limited, Panipat
Nayara Energy,Mumbai	ETL, Ankleashwar
Gujarat Reclaim & Rubber Products Ltd.	GMR Energy, Delhi
Hydro Plant, Perunthenaruvi, Kerala	



Glimpses of Online Industry Visit

Student achievement

- Ms. Jadhav Vidhya from 8th sem has presented a paper on Thermal decomposition kinetics for agricultural residue in SCHEMCON 2020.

Faculty Achievement

- Mr. Hemant Balsora, Mr. Kartik S. has published a paper on the topic of Kinetic modelling for thermal decomposition of agricultural residues at different heating rates in biomass conversion and biorefinery, ISSN: 2190-6815.
- Mr. Kartik S, Mr. Hemant Balsora, has published a paper on the topic of Elucidation of Thermal Degradation Model for Low and High Density Polyethylene by Statistical Parameters in chemistry select.
- Dr. Swapana Rekha Panda has published a paper in Scopus Indexed Journal- European journal of Molecular and clinical medicine titled "Interplay of hydrophilic and hydrophobic polymers: optimizing floating tablets" 2020, 7(7), 3531-3539.
- Dr. Swapana Rekha Panda has published a paper in Scopus Indexed Journal International Journal of chemical reactor engineering on the paper titled "Gas liquid downward flow through narrow vertical conduits: effect of angle entry and tube diameter on flow patterns" 2021, ISSN: 1542-6580.DOI:https://doi.org/10.1515/ijcre-2020-0164
- Mr. Gunjan Kumar, has presented a paper on the topic "A Study of Linear Fresnel Solar Collector Reflector Field for Performance Improvement"in International conference on Recent Advances in Mechanical Infrastructure at IIT-RAM, Ahmedabad during 21-23 August 2020.
- Mr. Gunjan Kumar, presented a paper on the topic of "Experimental

investigation of a line focus solar collector using flat and parabolic reflector" in International Conférence on Future Technologies at NIT, Puducherry during 28-30 December, 2020.

Fund approval under SRICT-SSIP

- UG Project entitled "Geometrical modification and experimental investigation of linear Fresnel solar collector for process heat generation" under the supervision of Mr. Gunjan Kumar has been approved for the SSIP grant amount of INR 83,000.

- A project of 56.34 Lacs from Department of Science and Technology, New Delhi titled" Utilization of sludge from common effluent treatment plant for extraction of polyhydroxyalkanoates (PHA)",is sanctioned.It is under project investigator: Dr Alok Gautam and Co-Project investigator: Dr Shina Gautam

Faculty Learning Programs

- Dr. Alok Gautam Head of the department has attended Workshop on Fundamentals of Process Safety Management organised by SRICT, Ankleshwar from 22nd February to 26th February 2021.Dr.Gautam also attended Waste Technology organised by AICTE from 23rd November to 27th November 2020 and FLACS CFD Training organised by GEXCON Norway from 1st December to 10th December 2020.
- Dr.Shina Gautam Associate Prof. has attended Fundamentals of Process Safety Management organized by SRICT, Ankleshwar from 22/02/2021 to 26/02/2021.A Dr.Shina also attended Awareness workshop NIRF INDIA RANKINGS organized by from IAE Hyderabad from 18/01/2021 to 19/01/2021,Waste Technology organized by AICTE from 23/11/2020-27/11/2020 and FLACS CFD Training organised by GEXCON Norway from 1/12/2020-10/12/2020.
- Dr. Swapna Rekha Panda Associate Prof. has attended ATAL FDP on Alternate Fuels organised by Don Bosco Institute of Technology, Bangalore from 21/09/2020 to 25/09/2020,ATAL FDP on Waste Technology organised by Manipal University, Jaipur from 2/11/2020 to 6/11/2020 andan online workshop on "Basic Oil and Gas Field Development Lifecycle Jointly organized by IIT(ISM) Dhanbad, NIT Durgapur and GMRIT, Rajam, Department of Chemical Engineering from 24/08/2020 to 26/08/2020.
- Mr. Sudeep Wadia, Asst. Prof and Mr. Chintan Modi Asst. Prof.has attended ATAL FDP on Computational Fluid Dynamics Organised by Symbiosis Institute of Technology, Pune from 21/09/2020 to 25/09/2020.
- Mr. Chintan Modi Asst. Prof. has attended Green Technology &Sustainability Engineering organized by SVNIT, Surat from 26th October to 30th October 2020 and Green Chemistry & Technology for Sustainable Engineering organised by P P Savani from 18th January to January 21st 2021.

- Ms Dhara Rojivadiya Asst. Prof. has attended ATAL FDP, Basic Animation in Film Making organised by Film and Television Institute of India from 12th October to 16th October 2020 and Green Technology and Sustainability Engineering organised by SVNIT, Surat from 26th October to 30th October 2020.
- Mr. Gunjan Kumar, Asst. Prof has attended ATAL FDP Organised by VIT, Pune on 5th October to 10th October 2020 and ATAL FDP organised by NIT Agartala 23rd November to 27th November 2020.
- Mr. Hemant Balsora, Asst. Prof has attended ATAL FDP, Artificial Intelligence Organized by NIT Puducherry from 21st September to 25th September 2020. Mr.Balsora also attended Waste Technology Organised by MU Jaipur from 2nd November to 6th November 2020 and'Accreditation and Outcome Based Education' organised by Yeshwantrao Chavan College of Engineering, Maharastra from 8th to 12th February 2021.
- Mr. Krunal J. Suthar, Asst. Prof has attended ATAL FDP on Green Technology Organised by SNVIT Surat from 26th October to 30th October 2020.Mr. Suthar, also attended ATAL FDP on AI Organised by Shri Krishna College of Engineering from 31st August to 5th September 2020.
- Dr. Mriganka Mondal, Asst. Prof has attended ATAL FDP, Green Technology and Sustainability Engineering Organised by NIT Jalandhar from 19/10/2020 to 23/10/2020.Dr.Mondal,also attended ATAL FDP, onWaste Technology Organised by Manipal University Jaipur from 2/11/2020 to 06/11/2020.
- Dr. Ravindra Kanawade, Associate Prof has attended Waste Technology organised by AICTE Training and Learning (ATAL) Academy Online FDP, Manipal University from 02/11/2020to 6/11/2020, Fundamentals of Process Safety Management organised by SRICT, Ankleshwar from 22/02/2021 to 26/02/2021 and FLACS CFD Training organised by GEXCON Norway from 1/12/2020 to 10/12/2020.
- Mr. Sudeep Wadia, Asst. Prof has attended ATAL FDP Organised by SVNIT, Surat from 23/11/2020 to 27/11/2020.
- Mr. Sunil M Badgujar, Asst. Prof has attended ATAL FDP on Green Technology Organised by ATAL FDP on Green Technology from 26/10/2020 to 30/10/2020.Mr. Badgujar,also attended ATAL FDP teaching learning using MATLAB organised by Guru Ghasidas Vishwa Vidyalaya from 24/11/2020 to 28/11/2020.
- Mr. Praful Mokadam, has attended Atal FDP (Innovation Management) Organised by GTU from 24/08/2020 to 28/08/2020.Mr. Mokadam, also attended Atal FDP (Drug Engineering) organised by Dr. Dayaram patel Pharmacy College from 23/11/2020 to 27/11/2020.

ACTIVITIES IN DEPARTMENT OF ELECTRICAL ENGINEERING

1-2-1 Meeting with Students

"Commitment is what transforms a promise into reality." An "ONLINE ONE TO ONE MEETING" was organized for the students of the Department of Electrical Engineering with respected Principal Dr. Shrikant Wagh, Vice Principal Dr. Snehal Lokhandwala and Head of the Department of Electrical Engineering Ms. Jalpa Thakkar.

One-to-One Meeting of Semester-3, Semester-5 & Semester-7 students from DEE

Principal motivated each and every student for better and best performance in the upcoming examination. He also motivated them to increase their study hours, being disciplined and dedicated towards their commitment to future results by discussing their study routine. Students were also suggested to participate in extra and co-curricular activities like webinars, new course learning, workshops, etc. Students were also suggested to plan for backlog examination. Students were also asked how the practical sessions can be implemented through online classes in the pandemic period.

Virtual Industry Visit for Diploma College Students

A Virtual Industry visit to NTPC, Vindhyachal for electrical engineering students of A. Y. Dadabhai Technical Institute, Kosamba was organized on 22/09/2020. More than 100 students attended the virtual visit. Students were briefed with the basic configuration of a Thermal power plant before introducing them into the largest power station of India, and the 9th largest coal-fired power station in the world, with an installed capacity of 4,760 MW. During the visit, various sections of Unit 4 & 5 of the plant were described to the students and they also saw the Boiler furnace, Ash Handling Plant, Control Room, Generator and Turbine sections .Students enthusiastically attended the session and cleared their doubts. The event was coordinated and presented by Mr. Sourav Choubey.

Virtual Industry Visit at NTPC

Activity for SRICT Students

"Kavya Kunj 2020" was organized on 16th October 2020.Events like poetry recitations, slogans and story narrations were also included. The main attraction of the event was poetry recitation by Yusuf Rizvi from EST 7th SEM.

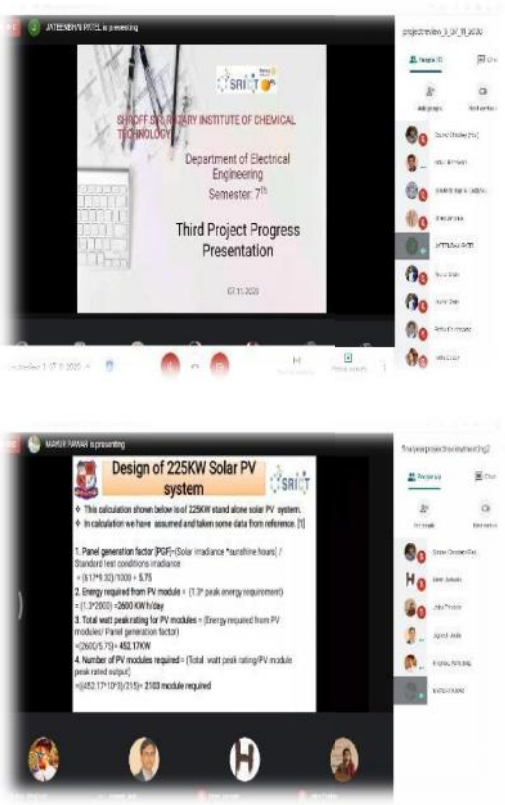
Glimpse from the event

Mr. Hemant Balsora, faculty member from the Chemical Engineering department has blown up the mind through his poetries. Dr. Shrikant Wagh, Principal, SRICT, Praised all the participants for their excellent performance.

Final Year Project Review

A second Project Review Meeting was organized for the 7th Semester students.

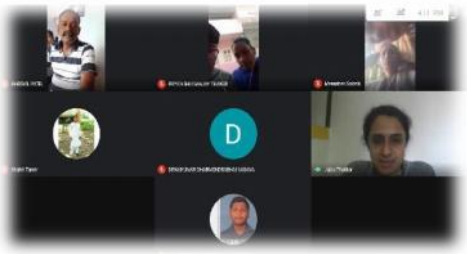
Each student group presented their progress regarding the project. It was reviewed by a panel of faculty members Mr. Sourav Choubey, Mr. Hiren Jariwala, Mr. Praful Chudasama, Mr. Krunal Shah, Mr. Ankur Gheewala, Ms. Richa Dubey & Mr. Jignesh Joshi who gave their worthy suggestions in order to improve the progress and quality of the Project. All the projects showed good progress and the students were keeping their faculty guides updated.



Project Review for Final Year Students

Parent-Teacher Meeting

An online Parents Teacher Meeting with the parents of 4th, 6th and 8th Sem Electrical Engineering students was organized. Parent's enthusiastically attended the meeting and praised all the efforts made by SRICT for the study of students during the Pandemic. Dr. Jalpa Thakkar, HOD Electrical Engineering, Mr. Sourav Choubey, Mentor of the batch 2019, Mr. Krunal Shah, Mentor of the Batch 2018 and Mr. Ankur Gheewala, Mentor of Batch 2017 discussed with all the parents regarding the performance of the students and asked the parents to motivate the students to work hard to achieve good results in the upcoming GTU exam.



An online Parent-Teacher Meeting

URJA Club Activity

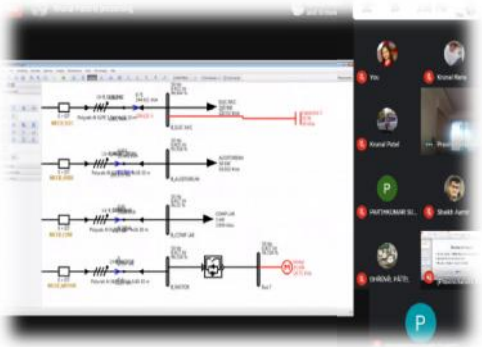
Under the banner of URJA CLUB, an online Quiz Competition on "Energy Conservation" was organised.44 students from all the departments participated in the ROUND-1 of "ONLINE QUIZ". Five participants were qualified for Round-2 "WHO AM I". Participants have thoroughly enjoyed this event. The event was coordinated by Mr. Ankur K. Gheewala, Assistant Professor, DEE.

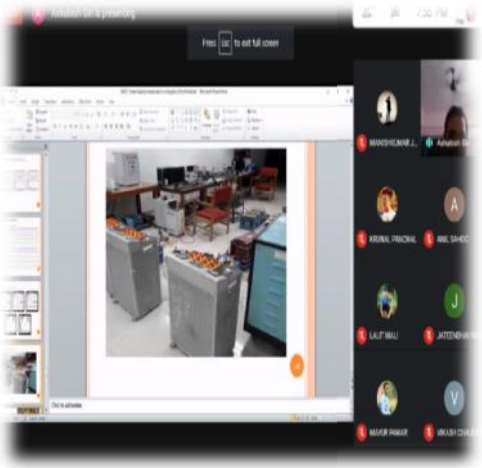
Online Quiz Competition organized by Department of Electrical Engineering, SRICT

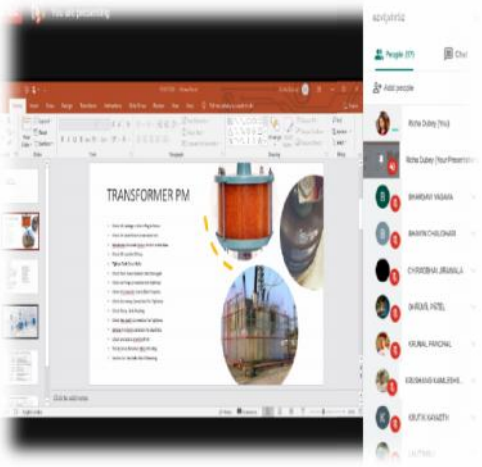
Expert Lectures

Topic Name	Name of Speaker
Distance Protection of Long Transmission Lines	**Mr. Jignesh Desai,** Assistant Professor , SCET Surat
Importance of Professional Ethics	**Mrs. Madhu Ars,** Freelance 5S and Lean Auditor
Importance of Communication Skills for Techies	**Mr. Sajjad Ahmed,** Director-Human Resources in Capgemini
Innovation By Design	**Dr. B.K Chakravarthy**, Professor, IDC School of Design, IIT Bombay
IoT Introduction & Architecture	**Ms. Jyoti**, Director- Senior Director, Capgemini
Power Quality issues in Distributed Power Generations	**Dr. Ashutosh Giri,** Assistant Professor, GEC Bharuch
Electrical Maintenance in Agro Industry	**Mr. Vardhil Shah,** UPL0, Vapi

Research , Innovation & Start-Up Journey at Engineering Campus	**Dr. Kashyap Mokariya,** HoD, GEC Valsad
Basics of Switch Gear & Protection	**Mr. Nishant Sharma**, Senior Executive, Cadila Healthcare Limited, Ankleshwar
Power System Network Analysis using Software	**Mr. P.B Mehta,** CEO, Persotech Solutions, Vadodara
Power System Planning & Design	**Mr. Keval Velani,** Sr. Engineer, Hitachi-ABB, Vadodara
Roles of Load Dispatch Centres and its functioning	**Mr. P.G Gupta,** Chief Engineer, SLDC Vadodara
Early Career Challenges	**Mr. Himanshu Bhatt**, Owner, Rahi Engenious Solutions, Surat
Industrial Electrical Distribution System and O & M	**Mr. K.S Shah,** Chief Engineer, Electrical, GNFC, Bharuch
Energy Conservation Practices in Industries	**Mr. Sunil Motiramani,** Head Technical Cell, Senior General Manager, UPL
Career Guidance for Fresh Electrical Engineer and Maintenance Practices	**Mr. Hitesh Rajyaguru,** Electrical Head , UPL-2, Ankleshwar
Basics of EHV Substation	**Mr. S.M. Takalkar,** Director, Takalkar Power Engineering Consultancy Pvt. Ltd, Vadodara







Glimpse of Online Expert Talks

Industry Visits

NTPC, Vindhyachal	250 MW Adani Thermal Power Station
HIEE, Hyderabad	1000 MW Kurnool Ultra Mega Solar Park
GETCO, HADALA	AS&R Circuits India Pvt Ltd

SGS Tekniks, Bangalore	Avkash Automation
132 kV Substation, Kolhapur	MSETCL, Jejuri Substation
5 MW Solar Plant, Maharashtra	Rockwell Structural Ltd
ESSAR Power, CONTROL ROOM	Kakrapar Atomic Power Station
Hydro Plant,Perunthenaruvi, Kerala	

Glimpse of Online Industry Visit

Faculty Achievement

- Mr. Sourav Choubey, P. Goswami and S. Gautam, have presented a paper on the topic of "Sustainable Approach for Metal Extraction from E-Waste: A Comprehensive literature review," in 3rd International Conference on Intelligent Sustainable Systems (ICISS), Thoothukudi, India, 2020.


IEEE

ICISS

SCAD INSTITUTE OF TECHNOLOGY

CERTIFICATE OF PRESENTATION

This is to certify that

Sourav Choubey

has successfully presented a paper entitled

Sustainable Approach for Metal Extraction from E- Waste: A Comprehensive literature review

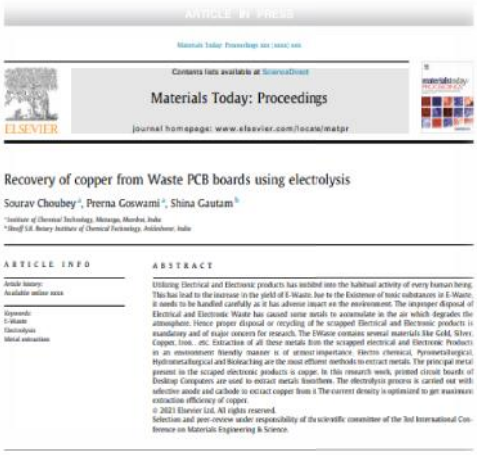
in the

3rd International Conference on Intelligent Sustainable Systems (ICISS 2020)

organized on December 3-5, 2020 by SCAD Institute of Technology at Palladam, India.

SESSION CHAIR ORGANISING SECRETARY CONFERENCE CHAIR

- Mr. Sourav Choubey, Prerna Goswami, Shina Gautam, have publish a paper on the topic of Recovery of copper from Waste PCB boards using electrolysis in Materials Today: Proceedings, 2021, ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2020.12.596.


Materials Today: Proceedings

journal homepage: www.elsevier.com/locate/matpr

Recovery of copper from Waste PCB boards using electrolysis

Sourav Choubey, Prerna Goswami, Shina Gautam

ARTICLE INFO

ABSTRACT

Faculty Learning Programs

- Mr. Sourav Choubey, Asst. Prof. has attended Workshop on Demonstration of Online Educational Tools organised by University College of Engineering Adikavi Nannaya University Rajamahendravaram, AP from 3rd August to 4th August 2020.Mr. Choubey,also attended e-FDP on IoT based Power Electronic Device

organised by KK Wagh Institute of Engineering Education, Nashik from 31st August to 5th September 2020, an STTP on Resilience in Crisis organised by Heartfulness Institute, Chennai from 5th August to 9th August 2020 and an e-FDP on IoT based Power Electronic Device organised by KK Wagh Institute of Engineering Education, Nashik from 31st August to 5th September 2020.

- Mr. Jignesh Joshi, Asst. Pof. has attended Technical Training on Embedded Systems using ARM7 organised by IETE & PENTECH Solutions, Mumbai from 3rd August to 8th August 2020.Mr.Joshi, also attended Technical Training on Power Electronics Designs using Matlab Simulink organised by IETE & PENTECH Solutions, Mumbai from 17th August to 21st August 2020 and a Technical Training on Embedded Systems using ARM11 organised by IETE & PENTECH Solutions, Mumbai from 3rd August to 8th August 2020.
- Mr. Hiren Jariwala, Asst. Pof. has attended STTP on Digital Signal Controllers for Control of Power Electronic Converters and Applications organised by SCET Surat from 14th December to 19th December 2020.Also Mr.Jariwala attended application of Power Electronics in Smart Grid and Electric Vehicle organised by Nalla Malla Reddy Engineering College, Hyderabad on 25th August to 29th August 2020.
- Mr. Krunal Shah, Asst. Prof has attended an e-FDP on Application of Power Electronics in Smart Grid and Electric Vehicle organised by Nalla Malla Reddy Engineering College, Hyderabad on 25th August to 29th August 2020.
- Mr. Hiren Jariwala, Asst. Prof has attended an e-FDP on Application of Power Electronics in Smart Grid and Electric Vehicle organised by Nalla Malla Reddy Engineering College, Hyderabad on 25th August to 29th August 2020.
- Ms. Richa Dubey, Asst. Prof has attended an e-FDP on Application of Power Electronics in Smart Grid and Electric Vehicle organised by Nalla Malla Reddy Engineering College, Hyderabad on 25th August to 29th August 2020.Ms Dubey also attended an e-FDP on Rejuvenating Teaching Skills & Life skill Management organised by IPS Academy, Indore on 7th December to 11th December 2020.
- Mr. Ankur Gheewala, Asst. Prof has attended an e-FDP on Smart Grid and Electric Vehicle organised by Nalla Malla Reddy Engineering College, Hyderabad on 25th August to 29th August 2020.
- Ms. Jalpa Thakkar, Asst. Prof has attended an e-FDP on Sustainability Engineering organised by Vellore Institute of Technology on 14th December to 18th December 2020.Ms.Thakkar,also attended an e-FDP on Electric Vehicle organised by Maulana Azad National Institute of Technology on 28th December to 01st January 2021.
- Mr. Hardiksinh Solanki, Lab. Asst. has attended an e-FDP on Challenges And opportunities in Electric Vehicle Technology organised by National

Institute of technology, Puducherry on 5th October to 10th October 2020.

- Mr. Rakesh P. Mahajan, Lab. Asst. has attended an e-FDP on Challenges And opportunities in Electric Vehicle Technology organised by National Institute of technology, Puducherry on 5th October to 10th October 2020.

Students' Achievements/ Development

- Jaiswar Manish and Panchal Krunal Batch 2017 won Gold Medal at ACCQC Ankleshwar Chapter, in Case Study of 5S at STRICT-Electrical Engineering Department on 27/10/2020.

- Pawar Mayur and Jaiswar Manish Batch 2017 Won Silver Medal at ACCQC Ankleshwar Chapter, in Case Study of Life Time Learning of 5S-Electrical Engineering Department on 27/10/2020

- Dinal Solanki and Dhruvil Patel of Batch 2019 Won Gold Medal at ACCQC Ankleshwar Chapter, in Case Study of 5S at Home-Electrical Engineering Department on 27/10/2020.
- Jaiswar Manish,Patel Sushil,Pawar Mayur and Panchal Krunal of Batch 2017 attended a Webinar on "Creativity, Innovation and Startup" on 14/08/2020.

ACTIVITIES IN DEPARTMENT OF MECHANICAL ENGINEERING

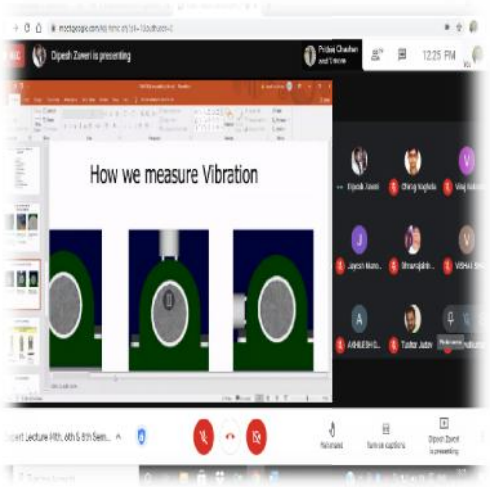
Students' Participation

- 29 PLI for 3rd, 5th and 7th semesters was organized from July 2020 to December 2020.
- Mechanical Engineering department has organized 13 PLI for 4th, 6th and 8th from December, 2020 to till date.

Expert Lectures

Topic Name	Name of Speaker
Supply Chain Management	**Mr. Amol Gulhane**, Senior Engineer (Sourcing), L & T (Minneapolis, USA)
Widen your career horizon with public services	**Mr. Sonil Thakkar**, Faculty of Indian History (Chahal Academy), Chahal Academy,Ahmedabad
Machining & machinability of hard to cut materials using new generation cooling/lubrication strategy	**Mr. Sudhanshu Das**, Associate Professor, Production Engg. Dept., VSSUT, Burla, Odisha
Welding electrodes/fillers & its selection criteria	**Mr. Harsh Gupta**, Mechanical Engineer, Archean Chemical Industries Pvt Ltd., Hajipir, Kutch
CV preparation	**Mr. Bejoy Kothari**, General Manager (Marketing & Liaison), BRCPL (BEIL Research & Consultancy Pvt. Ltd)
Manufacturing Processes &	**Mr. Jitendra singh & Mr. Mitul Patel**,

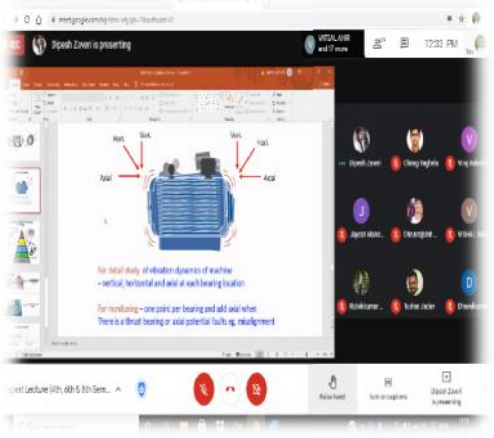
ESPRIT CAM Software	Sr. Application Engineer, Sopan Institute of Engineering & Design, Surat
Good Safety Practices: Working at Height	**Mr. Yogesh Pandya**, General Manager, Civil Projects & Maintenance, Grasim Industries Ltd. (Birla Cellulosic), Kharach
Institute-Industry Differences	**Mr. Antriksh Bhatt**, Assistant Regional Manager, Suzlon Energy Ltd.
How to prepare and attend an interview	**Mr. Bejoy Kothari**, General Manager (Marketing & Liaison), BRCPL (BEIL Research & Consultancy Pvt. Ltd)
Rotary equipments, maintenance & reliability	**Mr. Dipesh Zaveri**, Manager (Mechanical-Maintenance), Dahej
Importance of utilities in industries	**Mr. Chintan Charola**, Senior Executive, Ankleshwar
Utility & Safety	**Mr. Rajeev Tyagi**, General Manager (Engineering), Ankleshwar

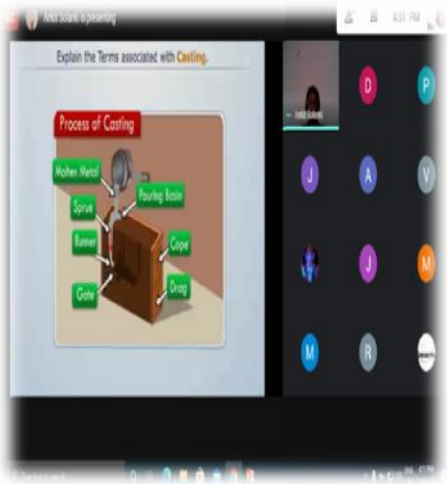


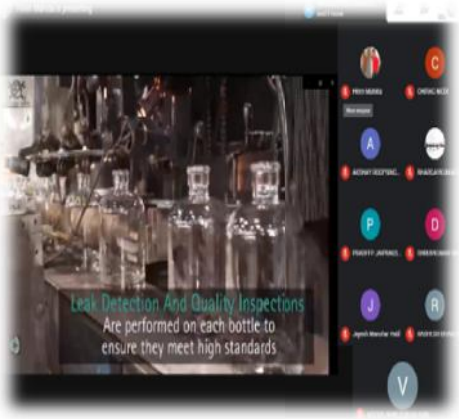
Glimpse of Online Expert Talks

Industry Visit

Todi Reyons, Kim	Todi Reyons, Kim
Micro Engineers, Udhna	Micro Engineers, Udhna
UPL Limited, Jhagadia	UPL Limited, Jhagadia
ABC Bearing	ABC Bearing
Haldy Heinz Private Limited	Haldy Heinz Private Limited







Glimpses of Online Industry Visit

Faculty Achievement

- Mr. Samir Jariwala was invited as an Expert speaker by BVPIT, Umrakh on 20th March '2021 to deliver a session on "NBA-Overview, Objectives and accreditation process".52 faculty members attended the session from 06 departments of the institute. The session was well appreciated by Dr. Atul Shah, Principal, BVPIT and all attendees.

Faculty Development Program

Faculty Name	Title of FDP /Title of STTP /Title of Workshop	Organizing Institute
Mr. Girish M. Bramhakshatriya and Mr. Samir D. Jariwala	AICTE Training And Learning (ATAL) Academy Online FDP on "Sustainability Engineering"	Kongu Engineering College (KEC), Tamilnadu
Mr. Satish Kumar Verma	AICTE Training And Learning (ATAL) Academy Online FDP on "Mechanics of composite material and structure"	MBM, Jodhpur, Rajasthan
Dr. Divyangkumar D. Patel	Online Certificate Program to Nurture Innovation & Incubationmanager Nurturing Innovation and Startup Ecosystem (NISE)	I HubX, Government of Gujarat
Mr. Chetankumar Ramanlal Patel	AICTE Training And Learning (ATAL) Academy Online FDP on "Alternate Fuels"	Don Bosco Institute Of Technology (DBIT), Banglore, Karnataka
Mr. Mahida Hirenkumar Ranjitsinh	AICTE Training And Learning (ATAL) Academy Online FDP on "Alternate Fuels"	Gurukul Kangri Vishwavidayalaya Haridwar
Mr. Mahida Hirenkumar Ranjitsinh	AICTE Training And Learning (ATAL) Academy	Indira Gandhi Delhi

	Online FDP on "ROAD"	Technical University for Women
Dr. Hemantkumar Gupta	AICTE Training And Learning (ATAL) Academy Online FDP on "Solar Energy: Technologies and Applications"	Jyothi Engineering College, Kerala
Mr. Ankursinh Solanki	e-STC “Multi-Scale Computational Fluid Dynamics: Fundamentals and Applications”	NIT Jalandhar
Mr. Shivang Ahir	e-STC “Multi-Scale Computational Fluid Dynamics: Fundamentals and Applications”	NIT Jalandhar
Mr. Samik Bhatt	AICTE Training And Learning (ATAL) Academy Online FDP on "Soalr Energy: Technologies & Applications"	Jyothi Engineering College, Kerala
Mr. Ankit P. Solanki	AICTE Training And Learning (ATAL) Academy Online FDP on "3D Printing & Design"	IPS Academy, Institute of Engineering and Science, Indore (M.P.).
Mr. Ankursinh Solanki	AICTE Training And Learning (ATAL) Academy Online FDP on "Capacity building-Life skills"	University of Petroleum and Energy studies, Dehradun
Dr. Divyangkumar D. Patel	AICTE Training And Learning (ATAL) Academy Online FDP on "3D Printing & Design"	IPS Academy, Institute of Engineering and Science Indore (M.P.).
Mr. Girish M. Bramhakshatriya	AICTE Training And Learning (ATAL) Academy Online FDP on "Innovation Management"	Shiv Nadar University, UP
Mahida Hirenkumar Ranjitsinh	AICTE Training And Learning (ATAL) Academy Online FDP on "Innovation Management"	Shiv Nadar University, UP
Mr. Chetankumar Ramanlal Patel	AICTE Training And Learning (ATAL) Academy Online FDP on "Capacity building-Life skills"	University of Petroleum and Energy studies, Dehradun
Mr. Shivang Ahir	AICTE Training And Learning (ATAL) Academy Online FDP on "Capacity building-Life skills"	University of Petroleum and Energy studies, Dehradun
Mr. Maitreya Pandya	AICTE Training And Learning (ATAL) Academy Online FDP on "Capacity building-Life skills"	University of Petroleum and Energy studies, Dehradun
Mr. Samir D Jariwala	AICTE Training And Learning (ATAL) Academy	University College

	Online FDP on "3D Printing & Design"	of Engineering,Osmaniya University (Autonomous)
Mr. Girish M Bramhakshatriya	AICTE Training And Learning (ATAL) Academy Online FDP on "3D Printing & Design"	University College of Engineering,Osmaniya University (Autonomous)
Mr. Ankit P. Solanki	AICTE Training And Learning (ATAL) Academy Online FDP on "Design thinking"	Sri Manakula Vinayagar Engineering College, Puducherry
Mr. Satish Kumar Verma	AICTE Training And Learning (ATAL) Academy Online FDP on "3D Printing"	MBM, Jodhpur, Rajasthan
Mr. Ankursinh Solanki	AICTE Training And Learning (ATAL) Academy Online FDP on "Teaching Learning Using MATLAB"	GURU GHASI DAS VISHWAVIDYALAY, Bilaspur, Chhattisgarh
Mr. Shivang Ahir	AICTE Training And Learning (ATAL) Academy Online FDP on "Teaching Learning Using MATLAB"	GURU GHASI DAS VISHWAVIDYALAYA, Bilaspur, Chhattisgarh
Mr. Maitreya Pandya	AICTE Training And Learning (ATAL) Academy Online FDP on 'Micro-electromechanical systems'	SARDAR PATEL COLLEGE OF ENGINEERING
Mr. Ankursinh Solanki	Energy Conservation, Efficiency and Energy management	TAPI Diploma Engineering College, Surat
Mr. Shivang Ahir	Energy Conservation, Efficiency and Energy management	TAPI Diploma Engineering College, Surat
Mr. Chetankumar Ramanlal Patel	Energy Conservation, Efficiency and Energy management	TAPI Diploma Engineering College, Surat
Dr. Divyangkumar D. Patel	First Step towards Entrepreneurship - How to Start a Startup	GUSEC, Gujarat University
Mr. Girish M Bramhakshatriya	NPTEL online certification course on "Introduction to Mechanical Vibration"	IIT Roorkee
Mr. Ankursinh Solanki	NPTEL online certification course on "Refrigeration and Air Conditioning"	IIT Roorkee

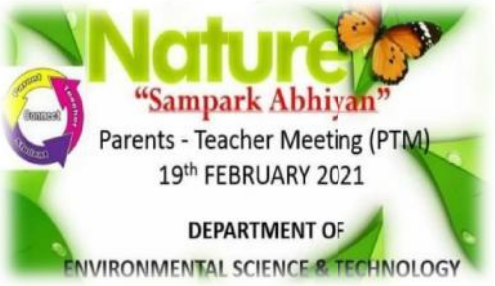
ACTIVITIES IN DEPARTMENT OF ENVIRONMENTAL SCIENCE & TECHNOLOGY

Parent-Teacher Meeting

A Parent Teacher Meeting PTM (Sampark Abhiyan) was organized on 19th February 2021. Active response was received from the parents.

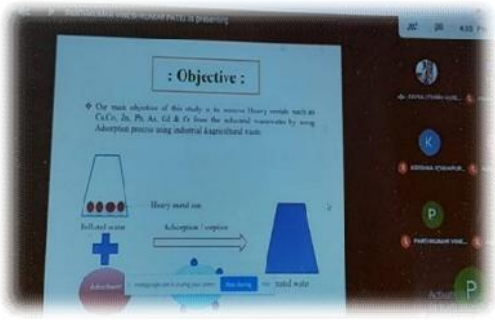
PTM was addressed by HOD, DEST Ms. Pratibha Gautam. Points discussed included introduction of departmental faculties and lab assistants, importance of attendance, lockdown activities and discipline followed by shining stars of DEST as per recent GTU results. Performance of students was also discussed by class teachers.

Different queries were raised by parents which were answered appropriately. Vice Principal, SRICT, Dr. Snehal Lokhandwala also addressed the gathering. He talked about unique facilities provided by SRICT and created awareness on NBA among the parents. Parents appreciated efforts taken by faculty members for the progress of students, as well as transportation facilities and hostel facilities provided by the management.



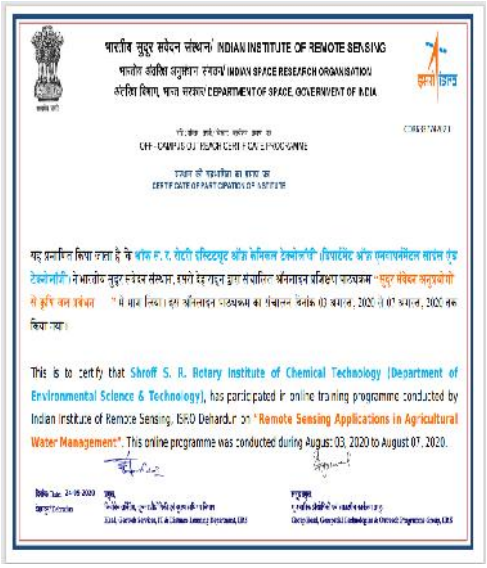
Final Year Project Review

An online project reviewwas organized on 4/9/2020 and 9/10/2020. All students of different groups of 7th sem EST presented their project in the review which was coordinated by Mr. Kunal Majmudar under the guidance of HOD, Ms. Pratibha Gautam. Several suggestions were given by different faculties for their improvement.



Online Training Course by Indian Institute of Remote Sensing-IIRS-ISRO

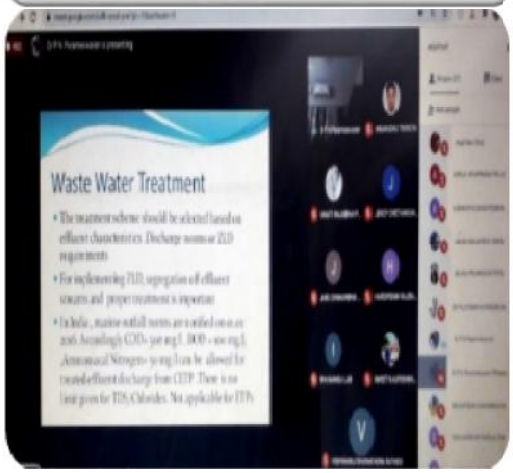
Shroff SR Rotary Institute of Chemical Technology was the nodal center of the course Remote Sensing Applications in Agricultural Water Management. 52 students from Department of Environmental Science & Technology participated in the course which was coordinated by Mr. Darshan Salunke,Assistant Professor,DEST.


भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA

This is to certify that Shroff S. R. Rotary Institute of Chemical Technology (Department of Environmental Science & Technology), has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehradun on "Remote Sensing Applications in Agricultural Water Management". This online programme was conducted during August 03, 2020 to August 07, 2020.

Expert Lectures

Topic Name	Name of Expert
Industrial Wastewater Treatment	**Mr.Girish Purohit**, EHS Head(Zentiva)
Sewage Treatment Plant	**Mr. Dilip Bera**, Senior Environmental manager(Vedanta)
Personal Protective Equipment	**Mr. Ajay Pancholi**, Senior Manager(UPL-1)
E –Waste	**Mr.Hemant Purohit**, DGM(BEIL)
Membrane Bioreactor	**Ms.Vishani Vora**, HOD(RECICLAR)
TertiaryWastewater Treatment	**Dr. ParameswaranMoothathu**, Advisor, BEIL, Ankleshwar
Statutory EHS Requirements In An Industry	**Mr. Ambesh Tripathi**, Environment Engineer, Gujarat Alkalies and Chemicals Ltd.
Insight To The Career After Environmental Science And Technology".	**Mr. Vaibhav Mehta**, Project Manager,Chokhavatia Associates
Factory Act,1948	**Mr. Dixit Kanabar**, Senior Executive, EWAC ALLOYS
Groundwater Impact Assessment	**Mr. Ashish Chaurasia**, Cofounder, LGEOM
Hazardous Waste Management in ZLD industries	**Mr. Nirav Pandya**, EHS Executive, Alembic, Halol
Protection of Environment in India:Historical Background and its legal perspectives	**Ms. Sonam Singh**,Proprietor, Enviquest Enviro-Legal Experts



Glimpse of Online Expert Talks

Glimpse of Online Industry Visit

Industry Visits

Plastic waste recycling Plant at Amit Plastics, Nagpur	JRS Pharma, Nandasan
Rice Mill, Chandigarh	TSDF Site-Ramky Enviro Engineers Ltd.
Murliwala Industries, Balotra Rajasthan	ALDOC Pharmaceutical Pvt Ltd, Kota
STP, Jaipur	Excel Industries Limited
SNJ Breweries Pvt. Ltd, Chennai	WTP, Delhi
R.S Rice mill, Amritsar Punjab	Murliwala Industries, Balotra Rajasthan
IMSWM, Hyderabad	Water Treatment Plant, Jalandhar

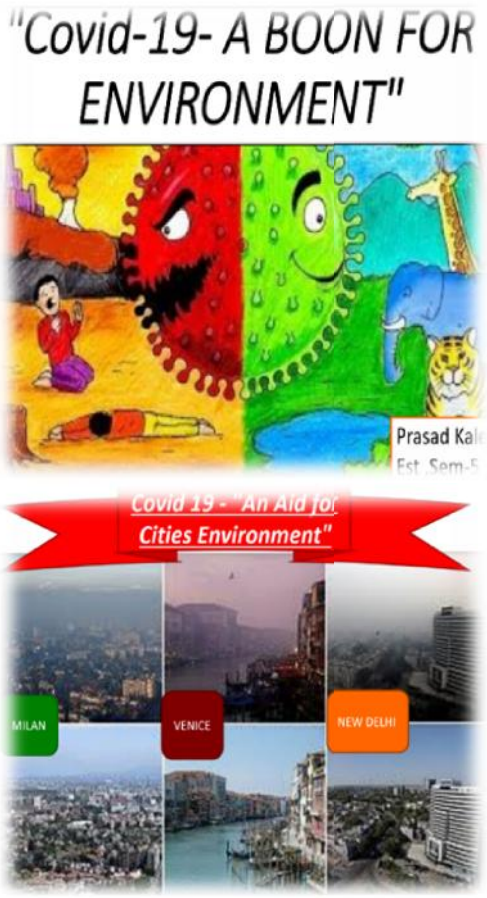
Nature Club Activities

An upcycled -clothing competition was jointly organized by Department of Environmental Science & Technology, Nature Club of SRICT & Institution of

Engineers (India) (IEI) students' chapter (393135/SRIC/EN) on 29/9/2020. Innovative products were made by students which showcased successful application of waste/old clothes. The event was coordinated by Ms. Bhasha Mehta.

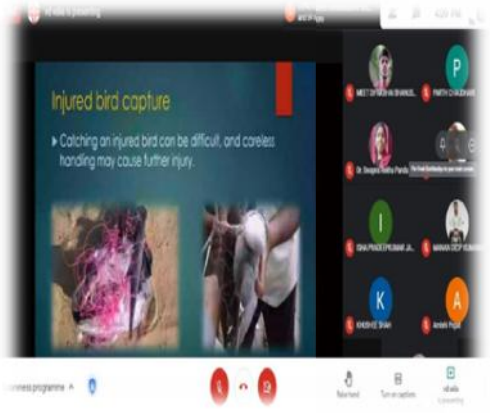
PPT Making Competition on the theme "Covid-19 -A Boon for Environment"

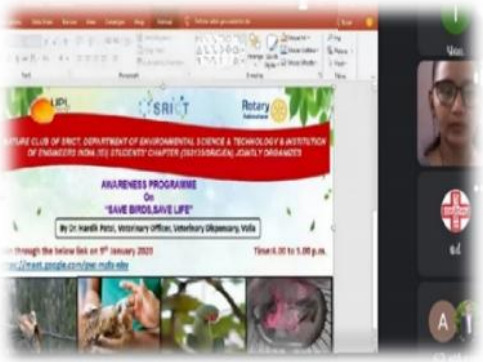
Presenting ideas (PPT MAKING COMPETITION) on the theme "Covid-19 -A Boon for Environment" was jointly organized by the Department of Environmental Science & Technology, Nature Club of SRICT and Institution of Engineers (India) (IEI) students' chapter (393135/SRIC/EN) on 21/10/2020. Active participation was received from the students. The event was coordinated by Ms. Bhasha Mehta,Assistant Professor DEST and Nature Club Coordinator Ms. Pratibha Gautam.



Awareness Programme on “SAVE BIRDS, SAVE LIFE”

Festival of "UTTARAYAN " which gives us joy gives difficult time to birds around us.In order to promote awareness regarding bird rescue during festival of Uttarayan, Nature Club, & Institution of Engineers (India) (IEI) students' chapter (393135/SRIC/EN) jointly organized AWARENESS PROGRAMME on “Save Birds, Save Life” on 9/1/2021 which was delivered by Dr. Hardik Patel, Veterinary Officer, Veterinary Dispensary, Valia. Session was interesting as Dr. Hardik Patel explained bird handling basics and methods of bird rescue and created awareness on how our one correct step can save the lives of innocent birds. Students of different departments and faculty members of SRICT have actively participated in the session. Event was coordinated by Ms. Bhasha Mehta, Assistant Professor, DEST).





QUIZ BUZZ

An online Quiz Competition on Environmental Awareness was organized on 28/12/2020.

Environmental awareness is to understand the fragility of our environment and the importance of its protection. In order to Promote Environmental Awareness, Quiz Buzz(Quiz Competition) on theme "Environmental Awareness" was jointly organized by, Nature Club & Institution of Engineers (India) (IEI) students' chapter (393135/SRIC/EN) on 28/12/2020.Active participation of the students was observed with 133 entries received from different departments of the college.

Apart from those from SRICT, entries were also received from other colleges. The event was coordinated by Ms. Bhasha Mehta and Nature Club Coordinator Ms. Pratibha Gautam.

Pencil Art Competition

A pencil art competition on the theme "Waste ManagementAwareness" was jointly organized by Nature Club & Institution of Engineers (India) (IEI) students' chapter (393135/SRIC/EN) on 9/2/2021.Active participation was received from students of different departments. The event was coordinated by Ms. Bhasha Mehta.

Student Achievement

- Viraj Prankda, a 6th semester student of Department of Environmental Science and Technology has qualified the exam of International

Institute of Fitness Excellence and Management held on December 13, 2020 and has been certified as "Strength & Conditioning Coach".

- Viraj Prankada, 6th semester student of Department of Environmental Science and Technology secured 4th place in Gujarat State level Powerlifting Competition.He conducted Bench Press of 97.5 kg, Squat of 140 kg and Dead Lift of 202.5 kg.

ACTIVITIES IN DEPARTMENT OF CHEMICAL TECHNOLOGY

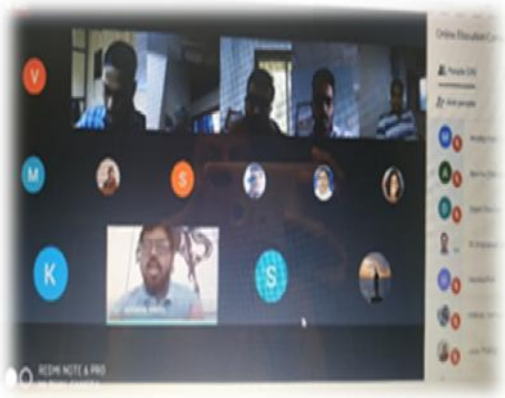
Online Elocution Competition

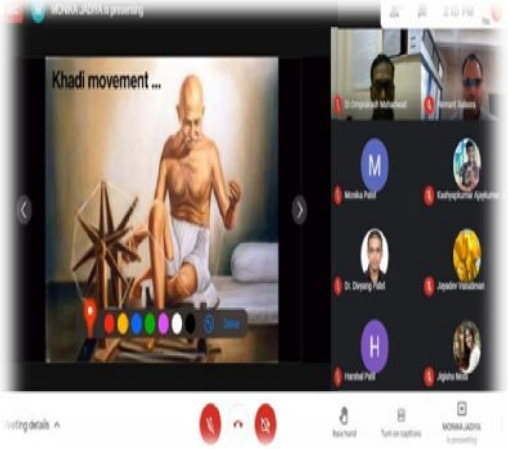
Department of Chemical Technology, SRICT, Vataria organized an Online "Elocution Competition" as a part of Co-Curricular activity on 03/09/2020 (Thursday) on google meet forum. 18 students registered in this event.

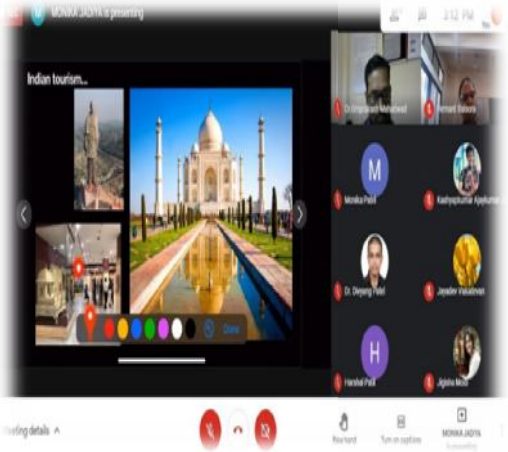
Total 3 topics were given:

1. Exploring Eco-rative (Ecology + Decorative) Activities
2. Life before & After Covid'19
3. Online modalities for Professional Education.

The judges of this activity were Mr. Nikunj Vavadiya (Sr. Officer-BEIL), Mr. Tejas Chauhan (BEIL) and Mrs. Jalpa Thakkar- Head of DEE. Each student participant delivered their views on one of the aforementioned topics by following rules and regulations specified. First position was secured by Mr. Kaushik Vaijapurkar (3rd Sem CE) and the second position by Mr. Kashyapkumar Joshi (3rd Sem CT). The Co-Curricular activity was coordinated by Ms. Monika Patel (Assistant Professor-CT)







"MANN KI BAAT: Share Your Thoughts"

An online "MANN KI BAAT: Share Your Thoughts" a PowerPoint presentation competition on "ATMANIRBHAR BHARAT" under the banner of Co-Curricular activity on 15th February 2021 from 3.00 pm onwards via google meet.09 students registered in this event. The judges of this activity were Dr. Divyang Patel – Associate Professor-Mechanical Engineering) and Mr. Hemant Balsora (Assistant Professor-Chemical Engineering Department).

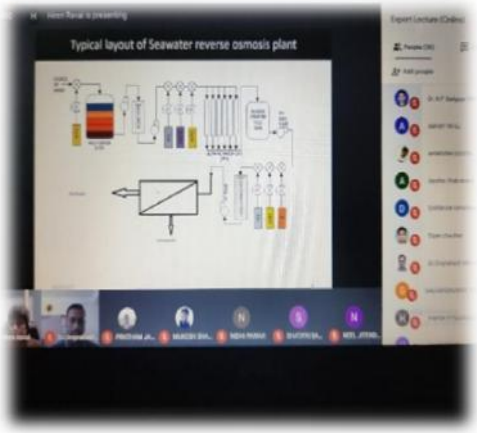
First position was secured by Ms. Monika Jadiya (4th Sem CE). The Co-Curricular activity was coordinated by Ms. Monika Patel (Assistant Professor-CT)

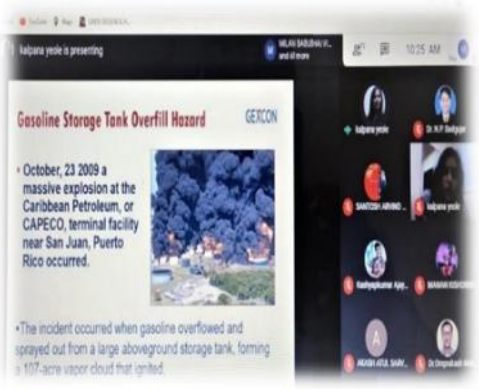
Expert Lectures

Topic Name	Name of Expert
Cash flow and cumulative cash flow of Industrial operations	**Mr. Snehal Traslawala**, Consultant, Bharuch Mr.
Regulatory review process for registration of pharmaceutical product in FDA	**Mr. Ritesh Rajput** Director-Regulatory Affairs in Sichuan Credit Pharmaceutical Limited, China
Process Safety	**Dr. Kalpana Rewatkar** Yeole-Research Scientist, Gexcon India Pvt. Ltd. Pune.
Computational Fluid Dynamics	**Dr. Vivek Vitankar**, Director at Fluid-

	Dimensions, Pune, Maharashtra.
Green Chemistry	**Dr. Shailee Tiwari**, Assistant Professor, Durgamata Institute of Pharmacy, Dharmapuri, Parbhani

Piramal Glass Ltd.	J P Extrusion Tech Ltd
JKP Micro-Minerals Pvt. Ltd.	Mankind Pharma
Gujarat Guardian Ltd	





Glimpse of Online Expert Talks

Industry Visits

Saint Gobain India Pvt Ltd, Jhagaria	Glenmark Life Sciences Ltd
Shree Colosperse Ind. Pvt. Ltd	Jay Polymers
Red Sun Dye Chem	Borosil Renewables Ltd
Indian Polymer Industries, Punjab	Wockhardt Ltd.

Glimpse of Online Industry Visit

Faculty Achievements

Atal Incubation Center at Gujarat Technological University (AIC-GISC Foundation) supported by Atal Innovation Mission, Government of India, aims to nurture the ideas into a viable Enterprise/Start Up, with a specific focus

on Healthcare, Biotechnology, Medical Devices, and allied areas. Besides, providing active Mentoring and Financial support to the Incubates, Atal Incubation Center from its main Campus at Chandkheda, Ahmedabad is going to provide Basic and high end Instrumentation facilities, Incubation spaces, and networking facilitating a host of other resources that may be required for the startup to survive and scale up further.

Final Presentation for IDEATHON projects by GTU innovation council under the banner of Atal Incubation Centre was organized at GTU on 6th March 2020. 15 shortlisted teams were called for further presentation before a jury for the approval and sanctioning of the proposed fund.

Students of Chemical Technology Devarshi Vyas, Aditya Choumal and Dhruvil Shah under the guidance of Dr. Jigisha Modi from Shroff S R Rotary Institute of Chemical Technology presented their business project and got a grant of Rs 1,89,290.

The selected business project from SRICT was “Microbial Fuel Cell”.

“The Importance of Safety in the Laboratory”

By: Dr. Nilesh Badgujar
Associate Professor (Dept. of Chemical Tech.) & Safety Coordinator at campus.

Laboratory Safety should come naturally and become your habit. Remember you are responsible for your own safety as well as safety of others working around you. A laboratory poses potential risks due to exposure to corrosive and toxic materials, flammable solvents, high pressure gases, explosive chemicals and dangerous microbes. A little care and adherence to prescribed safety guidelines will help avoid laboratory mishaps.

Laboratory hazards should not scare you as a laboratory career can be both challenging and exciting because you get an opportunity to explore the mysteries of atoms and molecules and study materials having different commercial applications.

When working in a lab, it is important you to be familiar with the equipment in your working space, even if you don’t use it yourself. It’s also crucial to be cautious of what other researchers, co-workers and peers are doing/using around you.

By becoming familiar with the laboratory you’re working in and always following proper safety procedures, you can help to prevent or eliminate hazards. You will also know the proper steps to take in the unfortunate event that something does go wrong. Labs are designed to with safety in mind, however, accidents can happen, which is why it’s best to be prepared for the worst.

The lab is an inherently dangerous place, with fire hazards, dangerous chemicals, and risky procedures. No one wants to have an accident in the lab, so it's imperative to follow:

Lab safety rules

Having a strong set of overall laboratory safety rules is essential to avoiding disasters in the lab. Lab Manager recently scoured the safety policies of several laboratories to determine some of the most common lab safety rules out there, to help you whether you're developing or updating a set of policies for your own lab. Of course, safety rules are only effective when they are enforced, which is why strong lab management is so important to a safe laboratory as well. Knowing the proper laboratory safety signs and symbols is also important.

General lab safety rules

The following are rules that relate to almost every laboratory and should be included in most safety policies. They cover what you should know in the event of an emergency, proper signage, safety equipment, safely using laboratory equipment, and basic common-sense rules.

1. Be sure to read all fire alarm and safety signs and follow the instructions in the event of an accident or emergency.
2. Ensure you are fully aware of your facility's/building's evacuation procedures.
3. Make sure you know where your lab's safety equipment—including first aid kit(s), fire extinguishers, eye wash stations, and safety showers—is located and how to properly use it.
4. Know emergency phone numbers to use to call for help in case of an emergency.
5. Lab areas containing carcinogens, radioisotopes, biohazards, and lasers should be properly marked with the appropriate warning signs.
6. Open flames should never be used in the laboratory unless you have permission from a qualified supervisor.
7. Make sure you are aware of where your lab's exits and fire alarms are located.
8. An area of 36" diameter must be kept clear at all times around all fire sprinkler heads.
9. If there is a fire drill, be sure to turn off all electrical equipment and close all containers.
10. Always work in properly-ventilated areas.
11. Do not chew gum, drink, or eat while working in the lab.
12. Laboratory glassware should never be utilized as food or beverage containers.
13. Each time you use glassware, be sure to check it for chips and cracks. Notify your lab supervisor of any damaged glassware so it can be properly disposed of.

14. Never use lab equipment that you are not approved or trained by your supervisor to operate.
15. If an instrument or piece of equipment fails during use, or isn't operating properly, report the issue to a technician right away. Never try to repair an equipment problem on your own.
16. If you are the last person to leave the lab, make sure to lock all the doors and turn off all ignition sources.
17. Do not work alone in the lab.
18. Never leave an ongoing experiment unattended.
19. Never lift any glassware, solutions, or other types of apparatus above eye level.
20. Never smell or taste chemicals.
21. Do not pipette by mouth.
22. Make sure you always follow the proper procedures for disposing lab waste.
23. Report all injuries, accidents, and broken equipment or glass right away, even if the incident seems small or unimportant.
24. If you have been injured, yell out immediately and as loud as you can to ensure you get help.
25. In the event of a chemical splashing into your eye(s) or on your skin, immediately flush the affected area(s) with running water for at least 20 minutes.
26. If you notice any unsafe conditions in the lab, let your supervisor know as soon as possible.

Housekeeping safety rules

Laboratory housekeeping rules also apply to most facilities and deal with the basic upkeep, tidiness, and maintenance of a safe laboratory.

1. Always keep your work area(s) tidy and clean.
2. Make sure that all eye wash stations, emergency showers, fire extinguishers, and exits are always unobstructed and accessible.
3. Only materials you require for your work should be kept in your work area. Everything else should be stored safely out of the way.
4. Only lightweight items should be stored on top of cabinets; heavier items should always be kept at the bottom.
5. Solids should always be kept out of the laboratory sink.
6. Any equipment that requires air flow or ventilation to prevent overheating should always be kept clear.

Dress code safety rules

As you'd expect, laboratory dress codes set a clear policy for the clothing employees should avoid wearing in order to prevent accidents or injuries in the lab. For example skirts and shorts might be nice for enjoying the warm weather outside, but quickly become a liability in the lab where skin can be exposed to heat or dangerous chemicals.

Always tie back hair that is chin-length or longer.

Make sure that loose clothing or dangling jewelry is secured, or avoid wearing it in the first place.

Never wear sandals or other open-toed shoes in the lab. Footwear should always cover the foot completely.

Never wear shorts or skirts in the lab.

When working with Bunsen burners, lighted splints, matches, etc., acrylic nails are not allowed.

Personal protection safety rules

Unlike laboratory dress code policies, rules for personal protection cover what employees should be wearing in the lab in order to protect themselves from various hazards, as well as basic hygiene rules to follow to avoid any sort of contamination.

1. When working with equipment, hazardous materials, glassware, heat, and/or chemicals, always wear face shields or safety glasses.
2. When handling any toxic or hazardous agent, always wear the appropriate gloves.
3. When performing laboratory experiments, you should always wear a smock or lab coat.
4. Before leaving the lab or eating, always wash your hands.
5. After performing an experiment, you should always wash your hands with soap and water.
6. When using lab equipment and chemicals, be sure to keep your hands away from your body, mouth, eyes, and face.

ACTIVITIES IN DEPARTMENT OF MATHEMATICS, SCIENCE & HUMANITIES

Online orientation program 'Shubhagaman'

The online orientation program 'Shubhagaman' of semester 1BE was organized by the Mathematics, Science & Humanities branch on 24th December ,2020.Treasurer ARES, Mr. Kishore Surti, Principal SRICT, Professor Shrikant Wagh, Vice Principal Dr. Snehal Lokhandwala, HoD-MSH, Dr. Purvi Naik, faculty and staff members and students attended the event. Dr. Shrikant Wagh inspired the students by citing the significance of self-discipline in the lives of students'. Dr. Snehal motivated the students towards meaningful learning experiences at SRICT in their days to come. Dr Purvi familiarized the students with their respective branches, their laboratories and other facilities available at the institute. This was followed by a surprisingly vibrant series of cultural events presented by the sem 1 students from the safety of their homes. Many of them also came forward to offer their feedback regarding the online mode of learning offered by SRICT in these trying times of the pandemic. Most of them had apprehensions regarding online classes but found them greatly rewarding with the guidance and kind support of the faculty members. The event came to an end with the vote of thanks by Dr. Nikhil Parekh, coordinator of the event and a flurry of

appreciation by Kishore Surti Sir for the efforts put in by students and faculty members.

National Mathematics Day Celebrations

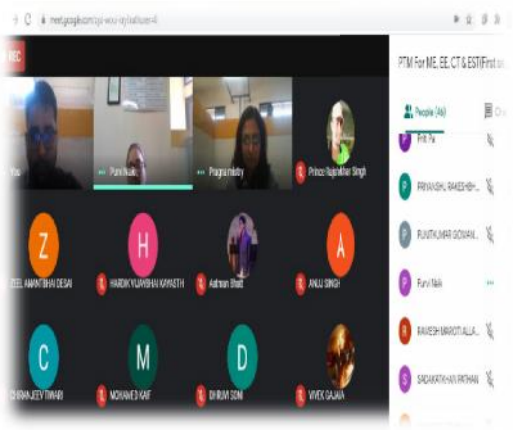
Indian Mathematical Genius, Srinivasa Ramanujan was born on 22nd December, 1887. To commemorate his immense contribution towards Mathematics, the Government of India had declared Ramanujan's birthday to be celebrated every year as National Mathematics Day.

SRICT celebrated this day by arranging Mathematics Quiz and Elocution competitions for our students. Elocution competition was organized in Hindi and English on the topics "Contribution of Srinivasa Ramanujan to Mathematics" and "Applications of Mathematics in Engineering". Mathematics Quiz was based on Basic Mathematics and life of Srinivasa Ramanujan.160 students registered for Mathematics quiz and 38 for Elocution competition.

Ms. Vinitha Vakkayil and Dr. Swapna Panda were Judges for Elocution competition in English and Mr. Dhananjay Chauhan & Ms. Richa Dubey were Judges for competition in Hindi. Winners of the competitions are as follows:

Sr. No	EVENT	WINNERS
1.	Elocution competition-English	**1st position:** VIVEK GAJARA (1st semester EST Department) **2nd position:** DEVARSH PANDIT (1st semester CE Department) **3rd position:** DEEPAK DESALE (1st semester CE Department)
2.	Elocution competition (Hindi):	**1st position:** VASANI VRAJ SHAILESHBHAI (1st semester CT Department)
3.	Quiz	**1st position:** CHANDEGRA MEET MOHAN (1st semester CE Department) **2nd position:** NISARG MODI (1st semester CE Department) **3rd position:** OM LAKDAWALA (1st semester CE Department)

Winners and all the participants were awarded e-certificates. The event was coordinated by Dr. Piyush Mistry,Assistant Professor,MSH department.

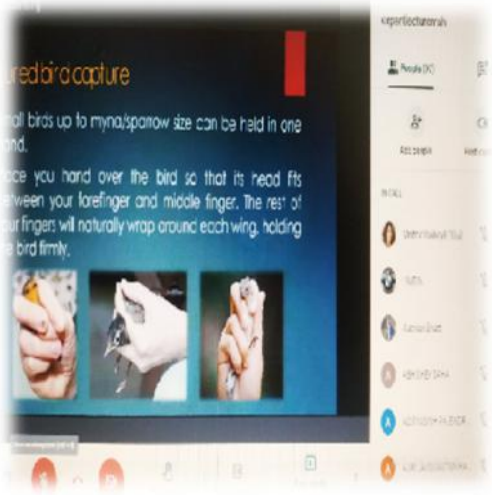


Parent Teacher Meeting

An online PTA meeting of the sem1 students of CE, EST, CT, ME &EE branches was organized by the Mathematics, Science & Humanities Department on 30th January 2021. Dr. Purvi Naik, Head of the Department, welcomed parents to the meeting. Mr. Dhananjay Chauhan, Assistant Professor and class coordinator of CE branch explained the attendance status of students and also stressed on the significance of maintaining regularity in attendance. The bonus marks criterion of attendance and the marks of students of all subjects in the recently conducted Mid Semester Exam was presented to the parents. The industrial visits and expert lectures conducted in the semester as part of the course was explained with all relevant details. Dr. Pragna Lad, Dr. Nikhil Parekh and Dr. Piyush Mistry presented data of EST, CT, ME & EE branch students and addressed the parents. This was followed by a feedback given by parents.

Expert Lectures

SPEAKER	TOPIC
Dr. Jyoti Sharma, Manager Narmada Distilleries	Effluent Treatment :A responsibility towards sustainability
Dr. Hardik Patel Veterinary Officer Veterinary Hospital ,Valia	Save Birds, Save Lives
Mr.Vaibhav Sr. Engineer Mehta Chokhavatia Associates	Pollution & its effects on Human health & Environment
Mr. Hardeepsinh Viharia Sr. Design Engineer ,Yazaki India Private limited	Automation & other trends of Engineering in Industries



Industry Visits

All the first year students visited the following industries.

BEIL, Ankleshwar	JP Group of Industries, Ankleshwar
JP Group of Industries, ankleshwar	Laxmi Poly additives, Ankleshwar

Faculty Development Programs attended by MSH Faculty Members		
Faculty/ Staff	**Title of FDP attended**	**Organizing Institute**
Dr. Purvi Naik	Gamification	Dr.BR Ambedkar National Institute of Technology
Dr. Purvi Naik	Teaching Learning Using Matlab	Guru Ghasidas Vishwavidyalaya
Dr. Purvi Naik	Blended Classroom & Flipped Classroom	VIT,Vellore
Dr. Pragna Lad	Stress-management	Gauhati University Institute of Science and Technology.
Dr. Pragna Lad	ROAD - Response Effectiveness, Organising Self, Attitudinal Shift, Decision Making	Manipal University Jaipur
Dr. Pragna Lad	Cyber Security	GITAM University, Bengaluru
Ms. Vinitha Vakkayil	Leadership &Excellence	Central University of Jammu
Ms. Vinitha Vakkayil	Social Enterprise Management	IIM, Nagpur
Dr.Piyush Mistry	Stress-management	Guwahati University Institute of Science and Technology.
Dr. Piyush Mistry	Cyber Security	Kamla Nehru Institute of Technology
Ms. Aakancha Kumar	Smart cities	Punjab Engineering College
Ms. Aakancha Kumar	"Advances on Concrete Technology and Sustainable Construction Practices"	Government Engineering College, Dahod
Ms. Kashmira Arthania	"Advances on Concrete Technology and Sustainable Construction Practices"	Government Engineering College, Dahod
Ms. Kashmira Arthania	Strategic Civil Infrastructure	Dr. S. & S. S. Gandhi Government Engineering college, Surat 023 (Id: C-225).
Ms. Kashmira Arthania	Green Technology &	Malaviya National Institute of

	Sustainability Engineering	Technology Jaipur
Ms. Kashmira Arthania	Smart Cities	Dayananda Sagar Academy of Technology and Management
Ms. Kajal Chauhan	Block chain & Cryptocurrency	Government Engineering College, Patan
Ms. Kajal Chauhan	Drug engineering	Dr. Dayaram Patel Pharmacy College.
Dr. Nikhil Parekh	Stress-management	Guwahati University Institute of Science and Technology.
Dr. Nikhil Parekh	Green Chemistry	S V National Institute of Technology Surat
Ms. Mital Harshad Patel	Block chain	National Institute of Technology Raipur
Ms. Mital Harshad Patel	Internet of things (IoT)	Indian Institute of Technology Palakkad
Mr. Dhananjay Chauhan	Artificial Intelligence	Jaypee Institute Of Information Technology
Mr. Dhananjay Chauhan	Artificial Intelligence	GyanGanga Institute of Information Technology

ACTIVITIES IN INSTITUTE OF SCIENCE & RESEARCH

Admissions at SRICT-ISR (Batch 2020)

Sr. No.	Category	Allotted seats by VNSGU	Filled seats
1	General	16	17
2	SC	3	2
3	ST	6	6
4	SEBC	9	9
5	EWS	3	3
6	SEBC (PH)	1	1
	Total	**38**	**38**

SRICT-ISR always believe in bringing up the student academically and polishing their basics so that what they learn at their PG level can be well understood and they can perform in a better way. The students also take the lectures, assignments and tests very seriously and strive to improve their performances on a regular basis.

Shining Stars

Batch	Sem	Name of Student	SGPA
2018	IV	Patel Arteeben Y.	7.83
2018	IV	Khan Alfiyanaaz Z.	7.67
2018	IV	Pillai Amal Chandhu C	7.33
2018	IV	Kesrola Shivamsinh	7.33
2019	II	Raval Kinnari N.	8.33
2019	II	Desai Vidhi	8.00

		Valamjibhai	
2019	II	Kachhiya Dinkiben A.	7.67

Expert Lectures

Topic name	Speaker
General Safety in Laboratory	**Mr. Rushi Shah**, AGM, Intas Pharma Ltd., Ankleshwar
How to face an Interview	**Mr Sanjeeb Lahiri** ,HR Head, GRP LTD,Ankleshwar

The pass-out students of M.Sc. Part II donated seven reference books i.e. Organic Chemistry by Clayden (2 copies), Organic Chemistry by Caruthers (2 copies), Organic Chemistry by Jagdamba Singh, Analytical Chemistry by Skoog, Physical Chemistry by Puri Sharma & Pathania of Rs. 8599/- to our SRICT-ISR library. It will be beneficial for the newcomers.

Faculty Achievements

- Dr. Deepika Shah attended e-FDP on Data Processes organized by AICTE Training and Learning (ATAL) from 24/8/2020 to 28/8/2020.
- Dr. Deepika Shah attended 14 days online Refresher course in Chemsitry conducted by Gujarat University under the Mentorship of Ministry of HRD from 28/9/2020 to 11/10/2020

KNOW OUR FACULTY MEMBERS

Name: Mr. Jignesh Joshi

Department: Electrical Engineering

Designation: Assistant Professor

Education Qualification: Diploma (EE) *(Two Gold Medals)*, B.E. (EE), M.Tech (EE-PEMD)

Experience: 10 Years, 6 Months

Academic Interest: Robotic Automation Process, Advanced Microcontroller Programing, Electric Drives

Papers Published: 07

Hobbies: Reading Tech-Articles and Indoor Sport (Carrom)

Name: Dr. Swapna Rekha Panda

Department: Chemical Engineering

Designation: Associate Professor

Education Qualification: B.E., M. Tech and PhD (Chemical Engineering)

Experience: 10 Years

Academic Interest: Mass Transfer, Transport Phenomenon, Advanced separation Process

Papers Published: 20

Hobbies: Listening music, reading novels, Playing indoor sports and games like Chess & Carrom.

KNOW OUR STAFF MEMBERS

Name: Abhijeetsinh Rana

Department: Mechanical Engineering Department

Designation: Laboratory Assistant

Education: Diploma Mechanical Engineering

Experience: 7 Years

Name: Hardiksinh Manharsinh Solanki

Department: Electrical Engineering Department

Designation: Laboratory Assistant

Education: Diploma Electrical Engineering, Bachelor of Commerce (B.Com) pursuing

Qualification: Diploma Electrical Engineering

Experience: 10 Years

Name: Avani Kavaswala
ME (EM) Semester I

करतीक्याहोतुम

उन्होनेपूछा,
"करतीक्याहोतुम?"

मनेकहा ,
" बसलिखलेतीहूँ,
उलझेहुएजज्बातोंको;
सूलझेहुएअलफाजोम। "

" तोडतोनहोसकती,
उसदीवारकोसमाजका;
बसहिलादेतीहूँईंटोको ,
अपनेशब्दोंकेप्रहारसे।। "

" किसीकोमंजिलनहिंदेपाते
मेरेलफ्झकभी,
लेकिनप्रेरणाकारोशनीसे,
राहजरुरदिखादेतीहूँ। "

" अलफाझोसेअपने ,
किसीकाचाहतनहोलौटासकती;
लेकिनसोचकाआहटसे,
राहतजरुरदेदेतीहूँ।। "

उन्होनेपूछा,
"करतीक्याहोतुम?"

मनेकहा,
" कविहूँजनाब ,
जोदुआहकाकतकाहो ;
उसेकल्पनाममुकम्मलकरतीहूँ।
बसलिखलेतीहूँ,
उलझेहुएजज्बातोंको;
सूलझेहुएअलफाजोम। "
- ख्यालोपुलाऊ

Ritesh Choudhury
CT 4th Semester
Roll No. - 190990136016

Digital Revolution

Throughout the 20th century, the pace of technological advancement has increased dramatically. The digital revolution, now upon us, is expected to take giant strides in the 21st century. Companies are manufacturing audio and video sets communications and Information Technology (IT) products for the consumer and professional markets. Companies have developed a wide product portfolio which includes goods that have become integral part of modern lifestyles—from magnetic tape and tape recorder to transistor radio to all-transistor television, colour video cassette-recorder, computer, etc. The compact di minidisc systems have radically changed the music industry more recently, companies have introduced DVD-video. Companies have not only been a market leader in consumer electronics, but has also become a major player in the world of professional broadcasting, telecommunications, PC technology and now the Internet.

These four market segments are rapidly merging as digital technology which increases the potential in each area. For example, television has, to date, been largely limited in terms of content and application, but it is essentially just a box of electronics. Many of the latest televisions have the capability of Internet access and many experts believe that the future will see the integration of the personal computer and television. Companies aim to create a network environment within the home from which consumers can access specific video or audio selections whenever they want.

In order to harness the potential of digital technology for the purpose of providing enjoyment to people around the world, firms have developed a concept called Digital Dream Kids. They want to identify the dreams of the young, digitally literate generation of consumers and translate them into unique, fun products and exciting applications, supplying products that fulfil the dreams of their customers. To achieve this target, it requires a seamless merging of content, hardware and technology. This concept has become central to the corporate strategy for various companies.

The key to success in this challenging and highly competitive technological marketplace is effective innovation and the continual development of new products. All new product development has to go through a number of stages. New products have to

be conceived through a process of imagination, creativity and inspiration. These new ideas must then be screened and evaluated from both production and financial perspectives. Successful ideas will be developed in the laboratory and undergo thorough test marketing before they can be launched.

Market research is crucially important throughout these processes, both of the potential market and of the product, but often with such innovative products as the play station and Walkman, companies are anticipating a desire that consumers have yet to appreciate. They have literally created the market for these products. Market research is vital in keeping in touch with consumers' dreams.

Companies helped to pioneer the development of digital formats for audio-visual products, starting with the compact disc. They are now pushing forward with their mission to consolidate the audio-visual and IT industries. The product mix has placed the companies in a unique position making them able to do this. All future product development has to conform to Video Audio Integrated Operation (VAIO) strategy, with the aim that all products brought to the market place will not only be compatible with each other, but that, in time, can become one. Connectivity brings much greater flexibility than the traditional stand-alone products.

For example, the new digital camcorders have an interface to allow the downloading of images directly onto the PC for editing. Companies launched the WEGA Digital flat Widescreen television that includes an array of extra programming to enhance the potential of the set and state-of-the-art digital picture and sound quality. The digital television is being developed so that in the future it will meet all the consumer needs, a one-stop entertainment shop.

The pace of technological progress has forced fundamental changes on the corporate structure, with their adopting a horizontal, rather than vertical organizational structure for the first time in its fifty-year history. This was designed to speed up decision making and market responsiveness.

In the digital realm, where change is no longer a punctuating event so much as the steady-state principle of things, we have learned to turn a wondering, or bemused, eye upon whatever is the latest— and then, shrugging or not, to adapt. E-mail is already a part of our central societal nervous system; virtual reality and smart environments— once part of the fantasy of Jetson futurism have become more likely every day.

The impact of technological change on a firm is usually considered an external influence. For example, by taking such an essential role, driving the markets forward through its innovative research and development, Sony has been able to become a proactive force, rather than having to react to changes.

Joshi Kashyap
CT SEM-3
Roll No. -200990136511

Digital Revolution

Digital India is a digital empowerment initiative to provide public services online and to develop broadband networks through increased Internet access through high-speed Internet networks in the world. In 2015, the Indian Government initiated a huge 'Digital India' drive. This was undertaken to ensure the accessibility of government facilities in various areas of the country. The main objective was to improve the country's people's access to technology. The government has worked to enhance accessibility to the internet and to make it much easier for regional and underserved parts of the country to connect. A plan to communicate countryside to high-speed Internet was one of the initiatives. Digital India was decided to launch by the Honorable Premier of India, Mr. Narendra Modi, on 1 July 2015. It was initiated for easily accessible government services. The Digital India mission focuses mainly on developing India a digital country and offering Internet services rapidly and stronger, as it provided the world wide web to rural areas where the network has also been a problem for a long time.

Digital India has provided a lot, and villagers can now obtain any data. You will also learn the forecast of the climate and have more knowledge in agriculture. What we need is decent internet connectivity is now possible to book any seat at home. Since the digitalization, many railway areas were document free.

Digital India is made up of nine foundations:

1. Highways wireless,
2. Universal cell network connectivity,
3. Public Connectivity Platform Internet Data,
4. Electronic Governance: Technological Policy Transformation,
5. Electronic System e-Kranti Distribution,
6. Data for all,
7. Manufacturing of Electronics,
8. Jobs IT,
9. Programs for an early harvest.

The government of India will effectively decode records, making things faster and better in the long term. The government planned to easily link to nearly 250,000 towns and other urban areas of the world at the very beginning of the project's implementation. The Bharat rural broadband Limited, which is genuinely admirable, plays a significant role in this initiative. Digital India, the government's major challenge to the country's growth.

The impact of the Digital India project

Digital India has a profound impact on people from every aspect of society. The campaign has had a positive impact on the life of the individual as a whole and has contributed to the progress of the society as a whole.

There are hundreds of programs under Digital India. One of the plans is aimed at creating 28,000 BPO jobs throughout the country and set up a "Common Service Center" in every gram panchayat. This will also enable the government to generate thousands of IT jobs since Digital India will require individuals to help establish the platform as well as introduce a new wave of the young population to the digital revolution.

Till now, Digital India has connected more than 250,000 villages throughout the country. Every village covered, now has access to high-speed internet provided by a government-owned telecom called the BBNL.

The Indian Government also undertook 11 technological initiatives including boosting the volume of digital payments by encouraging several payment platforms such as PhonePe. It also encouraged the RuPay platform, an Indian company competing with the likes of MasterCard and Visa.

The Prime Minister said that if people start using RuPay, it will directly benefit the country. Since the infrastructure was not present at the moment, IT companies started hiring more people in order to develop one.

The campaign also led to an enormous decrease in the amount of black money people had. Since everything will be done digitally, many people came under the tax radar and as a result, a significant portion of the black money in the market was traceable. This led to a sudden increase in the revenue collected by the government in the following year.

People from all over India can now directly engage with a large number of government agencies from the comfort of their homes. For example, in the past, people used to travel for hours on end just to get to a hospital to realise that their doctor wasn't available.

The rural part of India, which constitutes a majority of the population suddenly found themselves interconnected, directly benefiting millions of lives. Farmers can now intercommunicate and get help from the experts on a range of variety of subjects.

Nidhi Sanjaykumar Pawar
CT (Dyes & Pigments Technology, Semester-4

COVID-19: A Game Changer!

As we know COVID-19 is a pandemic disease. Which created a great impact and ups and downs in human being life, though it changed everyone's life but it has a positive side also by which the whole nation took benefit.

Within a few weeks, the pandemic due to the novel coronavirus became the largest game changer experienced in modern times. This terrible virus has, until now, killed more than 100,000 people worldwide, behaves unpredictably and brings suffering and fear. Its impact on societies across the world is unbelievable with lost lives, lost jobs, a world economy that is under great pressure and other consequences. It just does not seem right to discuss medical education, congresses and meetings in the shadow of all the aforementioned suffering simply because we must now, despite the ongoing COVID-19 pandemic, start planning a "new time" for meetings and congresses because this virus is expected to stay among us for a longer period of time.

Some positive impacts of COVID-19

Impact on air quality

Case study of Ghaziabad city

Study area Ghaziabad is the biggest city of Western Uttar Pradesh, second largest industrial city of Uttar Pradesh and it's a part of National Capital Region. It has more or less the same environmental conditions as that of Delhi (National Capital). The 2011 Census data shows that Ghaziabad has urban agglomeration with population of 46.82 lacs indicating a decadal growth rate of 29.7% and density of 3971 individuals/km2. District Ghaziabad lies between geo-coordinates 28° 40′ 12″ N and 77°25′12″ E with geographical area of 777.9 sq. km with rectangular dimensions. The city has adverse pollution problems mainly due to traffic congestion and dust. In a recently release IQ Air 2019 World Air Quality report, it is found that out of 20 world's most polluted cities, 14 are from India and Ghaziabad is in first place with PM2.5 pollution level of 110.2 g/m3 in 2019 compared to the permissible limit of 60 g/m3 (for 24 h) (IQ Air report, 2019). This indicates severe degree of air pollution which could not be

controlled by state and central government even after several efforts. Therefore, Ghaziabad was selected as the study area and the things changed there in early 2020 when Government of India (GOI) declared a complete lockdown in country in order to prevent community transmission of corona virus. Similar steps were also taken in various part of world which negatively influenced the economy of those countries but had a positive impact on overall air quality (World Economic Forum, 2020).

Impact on water quality of rivers

Rivers of India including Ganga, Cauvery, Sutlej and Yamuna etc. The primary cause is lack of industrial effluents entering the rivers due to lockdown situation under this pandemic situation. The DO levels of river Ganga as per reports has gone above 8 ppm and BOD levels down below 3 ppm at Kanpur and Varanasi (SANDRP, 2020) which ranged around 6.5 ppm and 4 ppm in 2019 respectively .Many other factors have also contributed in enhancing the quality of the rivers like high snowfall now melting with summer, reduction of irrigation water demand, above average rainfall and also human born factors including reduction of religious and cultural activities like puja, bathing, cremations on the banks of the rivers.

The real time water monitoring data provided by CPCB state that 27 out of 36 monitoring units placed at different places wherein the river Ganga flows were found suitable for propagation of wildlife and fisheries and bathing. CPCB also has three real time monitoring stations in Kanpur shows the water quality data as reported through these monitoring stations on 28th March 2020 i.e. during lockdown period.

Even if we all work together to bring about this improvement, it is impossible!!

"Ultimately, the greatest lesson that COVID-19 can teach humanity is that we are all in this together."

Mukesh Amchheda
CT 4th Sem [Glass & Ceramics Technology]
Roll no. : 190990136001

What to Do For the Development of Self-Reliant India

The atma-nirbhar bharat (self-reliant India) is the vision of the prime minister of India Shri Narendra Modi with a view to making India a self-reliant nation.

The first mention of this came in the form of the 'Atmanirbhar Bharat Abhiyan' or 'self-reliant India mission' during the announcement of the coronavirus pandemic related economic package on 12 May 2020.

As part of the Atmanirbhar Bharat package numerous government decisions have been taken such as changing the definition of MSMEs, boosting scope for private participation in numerous sectors, increasing FDI in the defence sector and the vision has found support in many sectors such as the solar manufacturers' sectors.

The growth of India's personal protective equipment (PPE) sector from zero before March, to 1,50,000 pieces a day by the beginning of May, is considered as a fine example of a self -reliant India. The PPE industry in India has become a 7,000 crores rupees (US dollars 980 million) in few months, the second largest after china.

Five pillars of Atmanirbhar Bharat:

1. Economy - An economy that brings quantum leap rather than incremental change.
2. Infrastructure - An infrastructure that became synonymous with the identity of modern India.
3. System - A system is driven by technology which can fulfil the dreams of the 21st century. A system not based on the policy of the past century.
4. Demography - Our vibrant demography is our strength in the world's largest democracy, our source of energy for self-reliant India.
5. Demand - The cycle of demand and supply chain in our economy, is the strength that needs to be harnessed to its full potential.

Major problems in India such as lack of infrastructure, high cost of transportation, difficulty in land acquisition, expensive lands, poor warehousing facilities, discriminatory labour laws, irregular power supply with high cost. Other than that, Indians are paying 2548 crores for footwear, 2775 crore for toys, 6248 crores for furniture to other countries.

"Every problem has a solution which is embedded into it, the thing is we just have to work on it."

Modern India needs a modern solution. Our government launched new education policy (NEP) which is incredible. India needs tag "Made in India". India needs to increase manufacture rate e.g. for medicine 70% of the raw material coming from China. But India needs to set up Drug Park in bulk. Setting up a pharmaceutical drug park is a long term solutions. Few years ago, the nation was dependent on just 2 electronic manufacturing companies in India. Nowadays, the ratio increases. Electronics needs to be manufactured in India and it is deemed as a long term plan. So, we need higher education in electronic field. Buying a made in India product which helps the most.

Short term and long term measures need to be taken for supporting the poor, including migrants, farmers etc. like free food supply to migrants for 2 months. Technology system is to be used enabling migrants to access PDS (Ration) from any fair Price Shop in India by March, initiation of 2021 - one nation one Ration card. Scheme for Affordable Rental Housing Complexes for migrant workers and urban poor need to be launched. Reforms for MSME, Reforms for agriculture, fisheries and food processing sectors e.g. national animal disease control programme , barrier free inter-state trade, agriculture produce pricing and quality assurance , a framework for e-trading of agriculture produce. Rs. 1 lakh crore agro-infrastructure fund for farm-gate infrastructure for farmers, adequate choices to the farmer to sell their produce at remunerative price. Employment, support to businesses, ease of doing business and state governments and Education sector as well.

Atmanirbhar Bharat has been called by some as a re-parched version of the Make in India movement using taglines such as 'VOCAL FOR LOCAL'. It is going to benefit labourers, farmers, honest tax payers, MSMEs and cottage industries. When India speaks of self-reliance, it does not advocate for a self-centred system. In India's self-reliance, there is a concern for the whole world's happiness, cooperation and peace. It is a holistic approach.

Let’s race ahead and begin our journey towards "ATMANIRBHAR BHARAT (Self-reliant INDIA)"

JAY HIND, JAY BHARAT

Pranay K. Bhatia
CE, Semester 6

"LOVE" at this occult instance

Welcome to the art form of relating everything that is with "Love". It is in the mysterious equations of love that any logical reasons can be found. How ardently can we admire this terminology that holds our world sane, self-indulgent and sensible with this continual stream of new discovery and inspiration which arises at every moment leading us all to its simplicity? Love can even be so exceptional, unrivaled and exquisite that it can provide an element accommodate enough to a rose growing up in the concrete field.

It's in the air, it's within the breeze, all these affections looping over. 'Til reminiscing of needs freeze. When it comes to hear out love, and wind chimes, listen beyond the rhythms. For it lingers in no culture, no creed. Like an art formed for biddably to be freed.

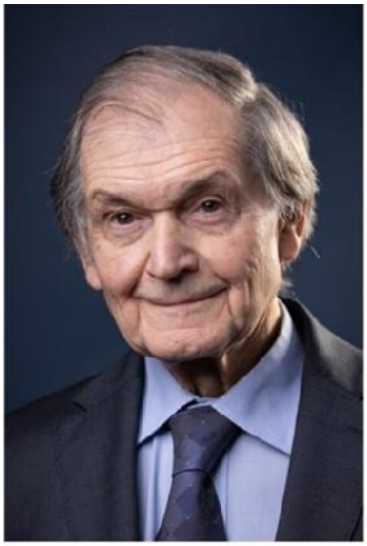
Point of making is an intimation is a beautiful indication gestured with untold desires being settled, wildly settled on the occult instance of love being unfurled, the love itself being bloomed within and between both, it is an 'unconditional attraction', an 'interpretive abstraction' which abuses your nerves 'til your rage of desires get fulfilled relishing rushing into the soul core in complete understanding of its complexity which never surprisingly resolves till end of the time for phenomenologically it is what brings consistency to the love so undying. Love starts with love, love sparks the love, and love is love. Love is a syllable to make poetries rich, love is an action that ignites affections, Love is the same rebel that forms religions, love is the pride that swallows the peace and a peace that spews the pride, love creates life, we are made up of love, and we're given life to celebrate love, spread love and eventually to create love, love is the long lingering evoked emotion in organisms, an intensified notion of ecstasy, a provoked passion, curse to coward, blessing to brave, controversial yet rare, love is the source a spirit craves to feel access to its energy, love is the universal frequency having the highest vibration, a cause of sprinkled consciousness sparkling in cosmos, love is a hormone drifting through your veins, and love is a drug for which to inevitably die for.

SOME INTERESTING FACTS

1. Hot water will turn into ice faster than cold water.
2. The Mona Lisa has no eyebrows.
3. The sentence, "The quick brown fox jumps over the lazy dog" uses every letter in the English language.
4. The strongest muscle in the body is the tongue.
5. Ant's take rest for around 8 Minutes in 12 hour period.
6. "I Am" is the shortest complete sentence in the English language.
7. Coca-Cola was originally green.
8. The most common name in the world is Mohammed.
9. When the moon is directly overhead, you will weigh slightly less.
10. Camels have three eyelids to protect themselves from the blowing desert sand.
11. There are only two words in the English language that have all five vowels in order: "abstemious" and "facetious."
12. The name of all the continents end with the same letter that they start with.
13. There are two credit cards for every person in the United States.
14. TYPEWRITER is the longest word that can be made using the letters only on one row of the keyboard.
15. Minus 40 degrees Celsius is exactly the same as minus 40 degrees Fahrenheit.
16. Chocolate can kill dogs, as it contains theobromine, which affects their heart and nervous system.
17. Women blink nearly twice as much as men!
18. You can't kill yourself by holding your breath.
19. It is impossible to lick your elbow.
20. The Guinness Book of Records holds the record for being the book most often stolen from Public Libraries.
21. People say "Bless you" when you sneeze because when you sneeze, your heart stops for a millisecond.
22. It is physically impossible for pigs to look up into the sky
23. The "sixth sick sheik's sixth sheep's sick" is said to be the toughest tongue twister in the English language.
24. "Rhythm" is the longest English word without a vowel.
25. If you sneeze too hard, you can fracture a rib. If you try to suppress a sneeze, you can rupture a blood vessel in your head or neck and die.

The Nobel Prize in Physics 2020

The Nobel Prize in Physics 2020 was divided, one half awarded to Roger Penrose "for the discovery that black hole formation is a robust prediction of the general theory of relativity", the other half jointly to Reinhard Genzel and Andrea Ghez "for the discovery of a supermassive compact object at the centre of our galaxy."



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Roger Penrose

Prize share: 1/2

© Nobel Prize Outreach. Photo: Bernhard Ludewig

Reinhard Genzel

Prize share: 1/4

© Nobel Prize Outreach. Photo: Annette Buhl

Andrea Ghez

Prize share: 1/4

The Nobel Peace Prize 2020

The Nobel Peace Prize 2020 was awarded to World Food Programme (WFP) "for its efforts to combat hunger, for its contribution to bettering conditions for peace in conflict-affected areas and for acting as a driving force in efforts to prevent the use of hunger as a weapon of war and conflict.

WFP

World Food Programme

The Nobel Prize in Chemistry 2020

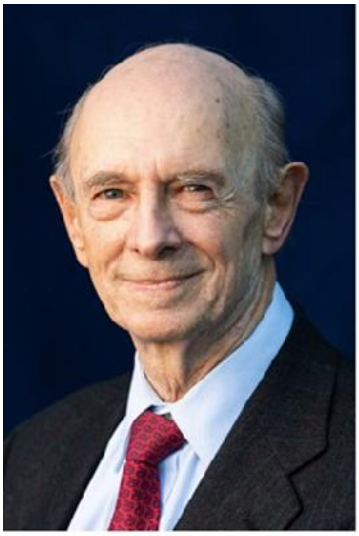
The Nobel Prize in Chemistry 2020 was awarded jointly to Emmanuelle Charpentier and Jennifer A. Doudna "for the development of a method for genome editing."

© Nobel Prize Outreach. Photo: Bernhard Ludewig
Emmanuelle Charpentier
Prize share: 1/2

© Nobel Prize Outreach. Photo: Brittany Hosea-Small
Jennifer A. Doudna
Prize share: 1/2

The Nobel Prize in Physiology or Medicine 2020

The Nobel Prize in Physiology or Medicine 2020 was awarded jointly to Harvey J. Alter, Michael Houghton and Charles M. Rice "for the discovery of Hepatitis C virus."



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Harvey J. Alter
Prize share: 1/3

© University of Alberta. Photo: Michael Holly
Michael Houghton
Prize share: 1/3

© Nobel Prize Outreach. Photo: Florence Montmare
Charles M. Rice
Prize share: 1/3

The Nobel Prize in Literature 2020

The Nobel Prize in Literature 2020 was awarded to Louise Glück "for her unmistakable poetic voice that with austere beauty makes individual existence universal."

© Nobel Prize Outreach. Photo: Daniel Ebersole

Louise Glück

Prize share: 1/1

REPUBLIC DAY CELEBRATION OF SRICT
organized by
Department of Environmental Science & Technology