

राष्ट्रीय स्वाहा इव न मम ।



BULLETIN

V.V.P.

ENGINEERING COLLEGE

AICTE Approved & Affiliated to GTU, Ahmedabad

Jan-June 2023-Vol. 10

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ENGINEERING

DEPARTMENT



Message from Chairman-Governing Body



Lt. Shri Lalitbhai Mehta

India's energy transition is in its own interest because, otherwise economic growth would not be sustainable and human security would be at stake, since millions of climate refugees are created due to the devastating consequences of climate change.

The Prime Minister has committed to increase renewable energy and reach 500GW target by 2030, which is only 100GW in 2021.

Our Wind energy production is only 12.5% of the total potential and solar energy production is only 4.6% of the total potential, a challenging task to tap unused resources.

The Prime Minister has announced the launch of the National Hydrogen Energy mission.

Green Hydrogen is a major component of renewable capacity of energy.

Engineering problems of cost, scale, adopting new technologies, working out distributing chains and storage of Hydrogen should be met by the government, bureaucracy, universities, engineers and technocrats by a coordinated policy and its implementation.

Message from Principal



Dr. Tejas Patalia

Welcome to V.V.P. Engineering College, a world class center for excellence in technical education. We are a leading technological institute of India, a home to a wide range of academic departments, providing best education in the major areas of technology and services in the area of research and consultancy.

We are proud and distinct through our global technical perspective, cosmopolitan character and being deeply rooted in the high Indian traditional culture, heritage and values. You would enjoy the challenges and opportunities we offer.

We look forwards to welcoming the engineering aspirants to a place of genuine intellectual excellence for an unforgettable simulating experience in the world of existing and emerging technologies, Welcome back to Future....

About the Institute



Vyavsayi Vidhya Pratishtan (V.V.P.) Engineering College is established by Rajkot Nagrik Sahakari Bank Ltd. to promote excellence in engineering education. The trust was founded in 1996 with an objective of meeting technical requirements of Gujarat. V.V.P. Engineering college has been matching ahead with a vision of transforming aspiring engineers to industry ready engineers, serving the nation at large.

The disciplined academic environment strengthening technical foundation of the students, is the unique identity of V.V.P. Innovation, creativity, team-spirit, entrepreneurship add to the scholastic achievements of the students and give them opportunities to enhance their personalities. The transparent governance and dedicated teaching by the qualified faculties make V.V.P. one of the most sought for engineering colleges of Gujarat.

With the best theoretical and practical teaching in the well-equipped classrooms and laboratories, V.V.P. is also well known for its modern library, wi-fi campus, training & placements programs, expert lectures and strong alumni network.

Needless to say that V.V.P. Engineering College keeps no stone unturned in directing students towards research activities like the practice of research paper writing, patent drafting, paper presentation and poster presentation. Students having interest in sports & Cultural Activities also find a convenient environment and guidance here, through various club activities.

Vision

To be an exemplary institute, transforming students into competent professionals with human values.

Mission

- To provide a conducive academic environment for strengthening technical capabilities of the students.**
- To strengthen linkage with industries, alumni and professional bodies.**
- To organize various co-curricular and extra-curricular activities for overall development of the students.**
- To practice good governance and conduct value-based activities for making students responsible citizens.**

Message from Head of the Department



Dr. Piyush Vanzara

Chemical Engineering Department of V.V.P Engineering College, Rajkot is a pioneer department in Saurashtra - Kutch region functions with the motto of driving the process industries by producing the quality minds and believe in inculcating moral value among pupil.

The department also takes pride in being nearest to the world's largest chemical industry, Reliance Industries Limited, Jamnagar.

The department is well collabrated with industries for Environment Audit (NABL accredited and GPCB recognised schedule-I auditor), Extended in house learning program, Faculty Exchange Program, Expert talk, Industrial visits, Research project, Campus placement etc. The Department is also blessed with experienced faculty member holding Ph.D and Master Degree from Reputed Universities of the country. Proud alumni of the department are also shining in a variety of sectors all across the globe.

I Welcome you all to one of the best Chemical Engineering Department of Gujarat which is the hub of chemical industry in the country.

Chemical Engineering Department

Vision

To be evolved as a leading resource of competent chemical engineering professionals with human values.



Mission

- To develop technical competence among students for solving problems of chemical and allied industries.
- To provide platform for overall development of students along with technical proficiency through co-curricular and extra-curricular activities as well as academic, alumni, research and industrial collaborations.
- To nurture human values in students by addressing social and environmental aspects.

Program Educational Objectives (PEOs)

- Apply knowledge of chemical engineering to address real-world issues.
- Establish successful career with professional ethics in chemical industries, academia and research institutes.
- Establish as chemical engineering professionals with teamwork, leadership, effective communication, innovative thinking and problem-solving skills.
- Influence society by agglomeration of human values along with sustainable technologies.

Program Specific Objectives (PSOs)

On successful completion of program, graduates will be able to:

- Apply knowledge of basic sciences, unit operations and unit processes to identify and solve problems of chemical and allied industries.
- Design innovative, economic, greener and safer processes and equipment using fundamentals of thermodynamics, kinetics, materials and energy balances.
- Model, simulate, control and optimize chemical engineering processes.

INDEX


Sr. No.	Contents
1	Placement & Result
2	Departmental Achievements
3	Departmental Activities (Expert Lectures, Skill Development Programmes, Alumni Interactions, Parents Meeting, Industrial Visits)

GLIMPSES OF PLACEMENT 2023




Chemical Engineering Department

Placement 2023

 Maunick Joshi Alombic	 Harsh Bhatt Alombic	 Utsav Pattani Alombic	 Darshan Vahani AIM ORGANCE LIMITED	 Vasu Bhut AIM ORGANCE LIMITED	 Sagar Jodav EPD EPD Computer Pvt. Ltd.	 Ajay Kantariya EPD EPD Computer Pvt. Ltd.	 Umang Valambhiya Redwop
 Utsav Mulasiya SPENTICA	 Abhisek Lalani SPENTICA	 Shiv Hingarajya Servewell	 Soham Vora SPENTICA	 Vatsal Sabhaya SPENTICA			



Congratulations

Virda Vajdi, Kalawad Road, Rajkot | www.vvpedulink.ac.in | info@vvpedulink.ac.in | 91732 15401



Chemical Engineering Department

Placement 2023

 Jaydeep Chavada Reliance	 Dharmesh Chhabariya Reliance	 Mahek Sidpara Reliance	 Virag Rajpara RSL	 Chhuchar Vijay RSL	 Rohan Sadiya RSL	 Shrey Chokl PFC PFC Color	 Jaydeep Kodnariya PFC PFC Color
 Darshit Paghadal NIRMA LIMITED	 Dev Vekariya NIRMA LIMITED	 Soham Vyas NIRMA LIMITED	 Hetang Vasani NIRMA LIMITED	 Dhaval Thummar NIRMA LIMITED	 Jeel Rajani NIRMA LIMITED	 Nirav Ramoliya NIRMA LIMITED	 Shaktirajsinh Zala NIRMA LIMITED
 Abhirajsinh Jodeja NIRMA LIMITED	 Vijay Dangodara NIRMA LIMITED	 Yash Bhalodiya NIRMA LIMITED	 Abdulkader Dela NIRMA LIMITED	 Sagar Bhagtani NIRMA LIMITED	 Tejas Buddhbhatti NIRMA LIMITED	 Jaydeep Vaghani NIRMA LIMITED	 Rohit Champa NIRMA LIMITED

Virda Vajdi, Kalawad Road, Rajkot | www.vvpedulink.ac.in | info@vvpedulink.ac.in | 91732 15401

GLIMPSES OF PLACEMENT 2023

Congratulations

V.V.P. ENGINEERING COLLEGE
AICTE Approved & Affiliated to GTU, Ahmedabad
NBA Accredited Electrical, Computer, Electronics & Communication, Civil Departments

Chemical Engineering Department

Congratulations!

Selected in

Reliance Industries Limited

Ankita Thaker

Virva Vajdi, Kalawad Road, Rajkot | www.vvpedulink.ac.in | info@vvpedulink.ac.in | 91732 15401

PLACEMENT 2023

CONGRATULATIONS

RESULT




KEVIN NAKRANI

Mr. Kevin Nakrani secured 4th Rank in Semester 5th Exam

<i>Semester</i>	<i>Total</i>	<i>Pass</i>	<i>Fail</i>	<i>Percentage</i>
1	8	7	1	87.50
3	54	31	23	57.41
5	51	39	12	76.48
8	77	77	0	100.00

Departmental Achievements




V.V.P. Engineering College
Virda Vajadi, Kalawad Road, Rajkot-5 (Gujarat) Mo. 91732 15401, 91577 17501, 91577 16781

NBA Accredited in
BE - Electrical, Computer, Civil Electronics & Communication Engineering Departments

CHEMICAL ENGINEERING DEPARTMENT

GATE 2023



ROHIT MEHTA
Marks out of 100 :- 44.67
All India Rank :- 760
GATE Score :- 498

Heartily Congratulations for Qualifying GATE-2023

You
did
great!

વી.વી.પી.ના કેમિકલ -બાયોટેકનોલોજી એન્જિનિયરીંગ વિભાગના વિદ્યાર્થીઓને GTU દ્વારા ગોલ્ડ મેડલ એનાયત

આજ સુધીમાં કુલ ૧૪ ગોલ્ડ મેડલ્સ વીવીપી કેમિકલ વિભાગના વિદ્યાર્થીઓએ મેળવેલ છે જે પણ એક સીધી ગણી શકાય રાજકોટ તા.૯

“રાષ્ટ્રીય સ્વાહા ઈદં ન મમ” ને વરેલી વી.વી.પી. એન્જિનીયરીંગ કોલેજના કેમિકલ વિભાગના વિદ્યાર્થી જય જોબનપુત્રા તેમ જ બાયોટેકનોલોજી વિભાગના વિદ્યાર્થી મયંક સરધારાને તાજેતરમાં જીટીયુ દ્વારા પ્રસીધ્ધ થયેલા પરિણામોમાં ગોલ્ડ મેડલ મળ્યા છે. આ સાથે જ વિદ્યાર્થીઓ એક અનેરો ઉત્સાહ વ્યાપી ગયો હતો. ગોલ્ડ મેડાલીસ્ટ વિદ્યાર્થીઓએ પોતાની સફળતાનો શ્રેય વી.વી.પી. દ્વારા આપવામાં આવતા શિક્ષણ અને સાથે સહ શૈક્ષણિક પ્રવૃત્તિઓ આપતા જણાવ્યું હતું કે એન્જિનીયરીંગમાં અભ્યાસ તો માત્ર વી.વી.પી.માં જ કરાય.

આ તકે સંસ્થાના પ્રિન્સીપાલ ડો. તેજસભાઈ પાટલીયા એ જણાવ્યું હતું કે અત્યાધુનિક મલ્ટી મીડિયા પ્રોજેક્ટ યુક્ત ક્લાસ રૂમ આધુનિક ટેકનોલોજી ધરાવતી લેબોરેટરી દરેક વિભાગમાં ૧૭થી વધુ વર્ષનાં અનુભવ ધરાવતા પ્રાધ્યાપકો નામાંકિત યુનિવર્સિટીમાંથી પીએચ. ડી. પૂર્ણ કરેલ પ્રાધ્યાપકોની



ફોજ ઈન્ડસ્ટ્રીયલ વીઝીટ-ઈન્ડસ્ટ્રીયલ ટુરનું સમયાંતરે આયોજન ટેકનીકલ સ્પર્ધાઓનું, સામાન્ય જ્ઞાન-ટેકનિકલ જ્ઞાન પરીક્ષા રિસર્ચ પેપર લેબન વગેરે સ્પર્ધાઓનું આયોજન અને દેશની નામાંકિત કંપનીઓનું સુપર પ્લેસમેન્ટ

તો ખરું જ. આ બધી શૈક્ષણિક પ્રવૃત્તિઓ તથા સહ-શૈક્ષણિક સાંસ્કૃતિક અને સ્પોર્ટ્સ પ્રવૃત્તિઓ પણ વીવીપી માં વિદ્યાર્થીઓ માટે ઉપલબ્ધ હોવા ના કારણે વીવીપીનાં વિદ્યાર્થીઓ દરેક ક્ષેત્રે પોતાનું પોતાના માબાપ અને વીવીપીનું નામ રોશન કરે જ છે. જેનું તાજું ઉદાહરણ એટલે વી.વી.પી. ના વિદ્યાર્થીઓને મળેલ ગોલ્ડ મેડલ.

અત્રે એ ઉલ્લેખનીય છે કે વર્ષ ૨૦૦૦ પાસ આઉટ પ્રથમ બેચ થી શરૂ કરીને આજ સુધીમાં કુલ ૧૪ ગોલ્ડ મેડલ્સ વીવીપી કેમિકલ વિભાગના વિદ્યાર્થીઓએ મેળવેલ છે જે પણ એક સિદ્ધિ ગણી શકાય.

આ તકે સંસ્થાના મેનેજિંગ ટ્રસ્ટી લલિતભાઈ મહેતા ટ્રસ્ટીઓ કૌશિકભાઈ શુક્લ ડો. સંજીવભાઈ ઓઝા હર્ષલભાઈ મણીઆર તથા ડો. નરેન્દ્રભાઈ દવે આચાર્યશ્રી ડો. તેજ સભાઈ પાટલીયા, તમામ વિભાગના વડાઓ તથા સમગ્ર કર્મચારી ગણ દ્વારા વિદ્યાર્થીઓને અભિનંદન પાઠવવામાં આવ્યાં હતાં.



Departmental Achievements

Ms. Cherish Savsani (4th Sem Student)

- Winner in Dept. Basketball (Girls) Team



Event Name	Name of the Students	Date	Rank
Dejavu in "SHAURYA-2023"- State Level Techfest at VVP	ACHYUT RUPARELIYA	29/04/2023	1
	TOPIYA ANAND	29/04/2023	1
	JATIN RATHOD	29/04/2023	2
	KARTIK BOPALIYA	29/04/2023	2
	JAYDEEP KAMANI	29/04/2023	3
	YASH BHALODIYA	29/04/2023	3
	DHARA TUVAR	29/04/2023	3

SPORTS/CULTURAL OTHER NON TECHNICAL EVENTS



Departmental Achievements

Sports/Cultural/Technical Events:

Name of the Event	Student Name	Rank
VVP Technothon-SAMARTHYA-23_Quiz-O-Philia	Nishit Vyas	1
	Dev Thoriya	1
	Hardik Patel	1
VVP Technothon-SAMARTHYA-23_Chem-O-Description	Hardik Patel	1
	Nishit Vyash	2
EV & Engineering Expo, 17-19 March 2023 (Technical Event)	Nishit Parmar	Displayed Model for Electrolysis for CO ₂ Conversion
	Nishant Raiyani	
	Miraj Purohit	
	Chahek Sisodiya	
	Jash Karadani	

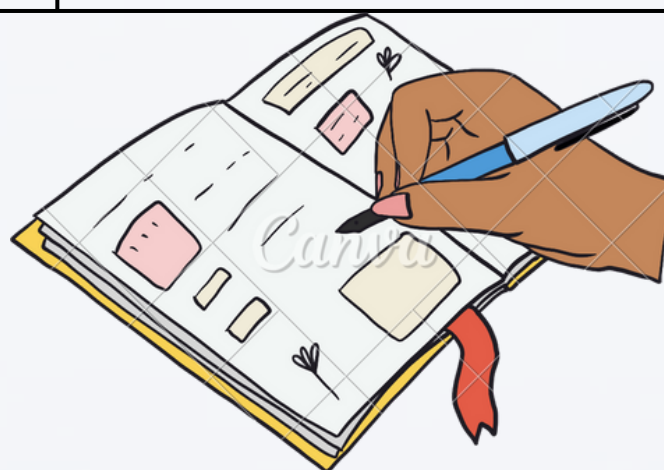


Departmental Achievements

Faculty Paper Publication/Presentation



Name of Faculty	Other Authors	Title	Journal (Month_Year) / Conference (Date)
Dr. Vyomesh M. Parsana	Ravibhai Bholra, et al.	Solubility and Thermodynamics Profile of Benzethonium Chloride in Pure and Binary Solvents at Different Temperatures	ACS Omega 2023 8 (16)
Dr. Vyomesh M. Parsana	Sachin Parikh, et al.	Isobaric Vapor-Liquid Equilibrium Data for Tetrahydrofuran + Acetic Acid and Tetrahydrofuran + Trichloroethylene Mixtures	Journal of Chemical & Engineering Data 2023, 68 (2)
Dr. Piyush B. Vanzara	Swaprabha Patel, Ashish Gijarathi	Multi-criteria analysis of cell-recycle based continuous lactic acid production process	Materials and Manufacturing Processes, Taylor and Francis I.F. 4.783 (March 2023)
Ajinkya M. Patwardhan	Dr. Piyush B. Vanzara	Cyclic Voltammetry Studies for CO ₂ electroreduction	National Conference on Recent Advances in Chemical Engineering & Technology RACET-2023, Organised by North Maharashtra University, Jalgaon (18th March 2023)
Dr. Darshana T. Bhatti	Chirag Nakum	Green Hydrogen for Sustainable future	Journal of Emerging technologies and Innovative research, July 2023, vol 10 issue 6



Departmental Achievements

Faculty Paper Publication/Presentation



Name of Faculty	Other Authors	Title	Journal (Month_Year) / Conference (Date)
Jilesh M Pandya		Removal of Color from Paint Effluent Using Electro-Coagulation Technique	Journal of Alternative and Renewable Sources, Volume 9, Issue 1, January - April 2023
Dr. Sushil Korgaokar	Maria christy et al.	Imatinib cation based MOIFs with $[\text{Fe}(\text{CN})_5\text{NO}]^{2-}$, $[\text{Fe}(\text{CN})_6]^{3-}$ $[\text{Fe}(\text{CN})_6]^{4-}$ as adsorbent of organic pollutants, and their protein interaction study	Journal of Molecular Structure
Dhara Upadhyay		New Developments in Bioplastics	Journal of Emerging technologies and Innovative research (JETIR) March 2023, Volume 10, Issue 3
Rahul G.Vaidya	Dr. Dipesh Kundaliya, Deven Raval, Ramesh Ravat	Energy Conservation Opportunity in Dairy plant with a practice of energy audit	Journal of Emerging technologies and Innovative research (JETIR) March 2023, Volume 10, Issue 3



Departmental Achievements

- Dr. Darshana. T. Bhatti has received GUGCOST grant of Rs. 2,05,000/- under STI scheme for research project on "Evaluation of Novel Green Coagulants for Potable Water Treatment and Modeling through Response Surface Optimization" on 5th May, 2023.
- Dr. Darshana. T. Bhatti is recognized as NPTEL Discipline Star-SWAYAM Courses for Chemical engineering for Jan-Apr 2023.



Departmental Achievements

GUJARAT CLEANER PRODUCTION CENTRE

CERTIFICATE OF CONTRIBUTION

THIS IS TO CERTIFY THAT

Mr./Ms./Prof./Dr. **Vyomesh M. Parsana**, Assistant Professor of Chemical Engineering Department of V.V.P. Engineering College, Rajkot has contributed as a guide towards Dissertation/Thesis of ME/M.Tech Chemical Engineering student/students on Cleaner Production and Clean Technology under Interlinking of Industries, Academia and Government for the Year 2022-23.

Date: 1st February, 2023




(DR. BHARAT JAIN)

MEMBER SECRETARY
GUJARAT CLEANER PRODUCTION CENTRE

GUJARAT CLEANER PRODUCTION CENTRE


CERTIFICATE OF CONTRIBUTION

THIS IS TO CERTIFY THAT

Mr./Ms./Prof./Dr. **Piyush B. Vanzara**, Assistant Professor of Chemical Engineering Department of V.V.P. Engineering College, Rajkot has contributed as a guide towards Dissertation/Thesis of PhD Chemical Engineering student/students on Cleaner Production and Clean Technology under Interlinking of Industries, Academia and Government for the Year 2022-23.

Date: 1st February, 2023



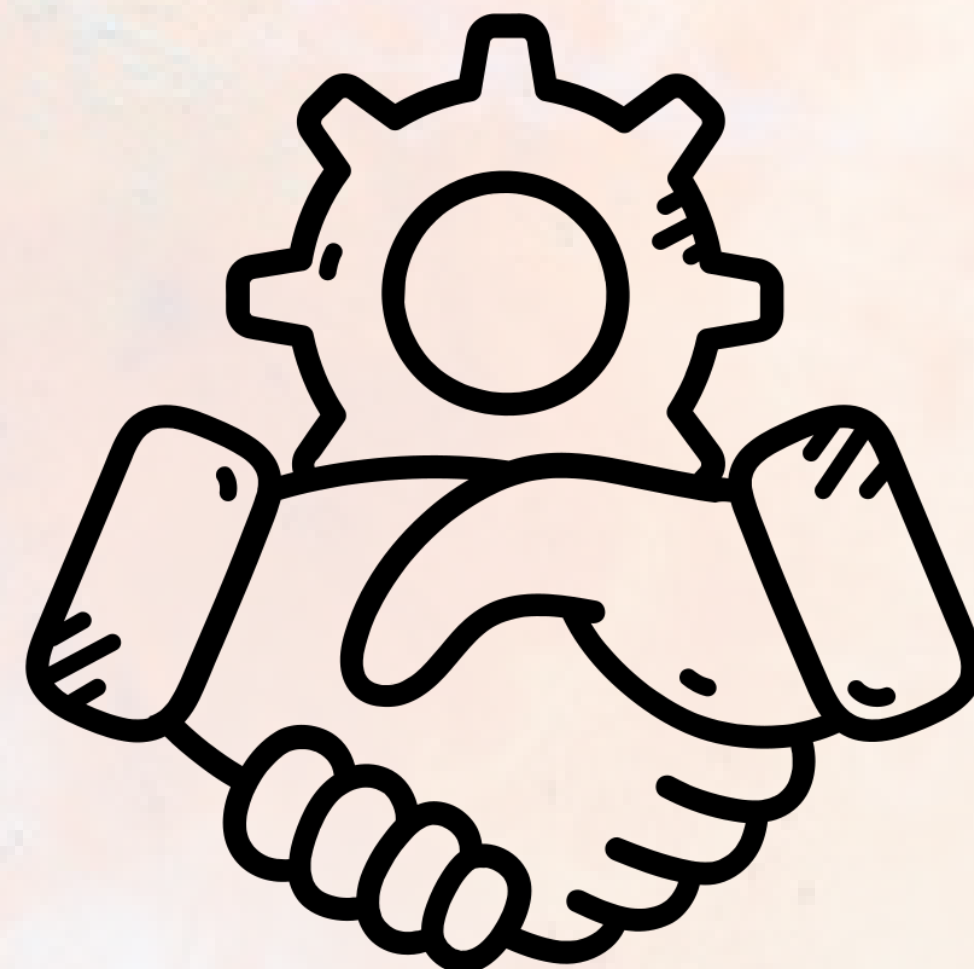
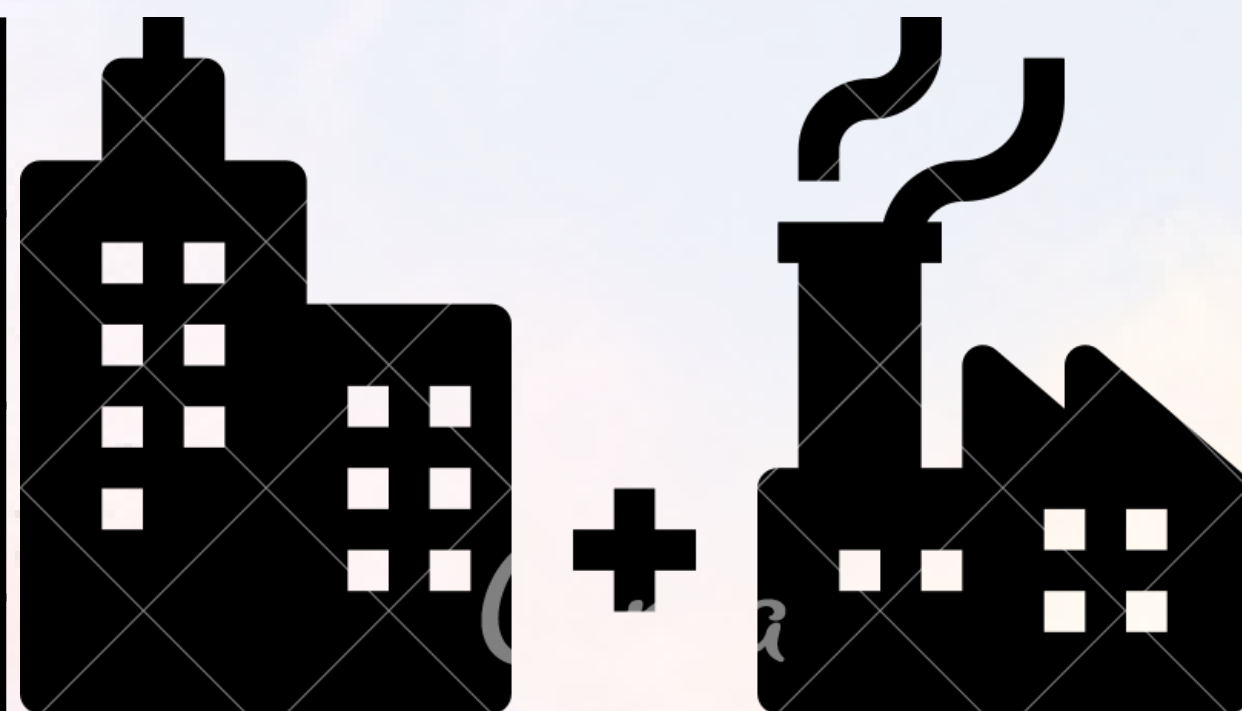

(DR. BHARAT JAIN)

MEMBER SECRETARY
GUJARAT CLEANER PRODUCTION CENTRE

Departmental Achievements

MOU SIGNED BETWEEN CHEMICAL ENGINEERING DEPARTMENT OF VVP ENGINEERING COLLEGE RAJKOT AND DIFFERENT INDUSTRIES

NAME OF COMPANY
U-FRESH MILK AND FOOD PRODUCTS PVT LTD.
SUGAM POLYTECH PVT LTD
MEGPIE CHEMICALS
SARTHI CHEM PVT LTD
GIRIRAJ MILK PRODUCTS PVT LTD
ASHUTOSH RUBBER PVT LTD
ROYAL PACKAGING RAJKOT
RISTON PAPER MILL PVT LTD
RHODIUM MASTER
EPP COMPOSITES PVT LTD



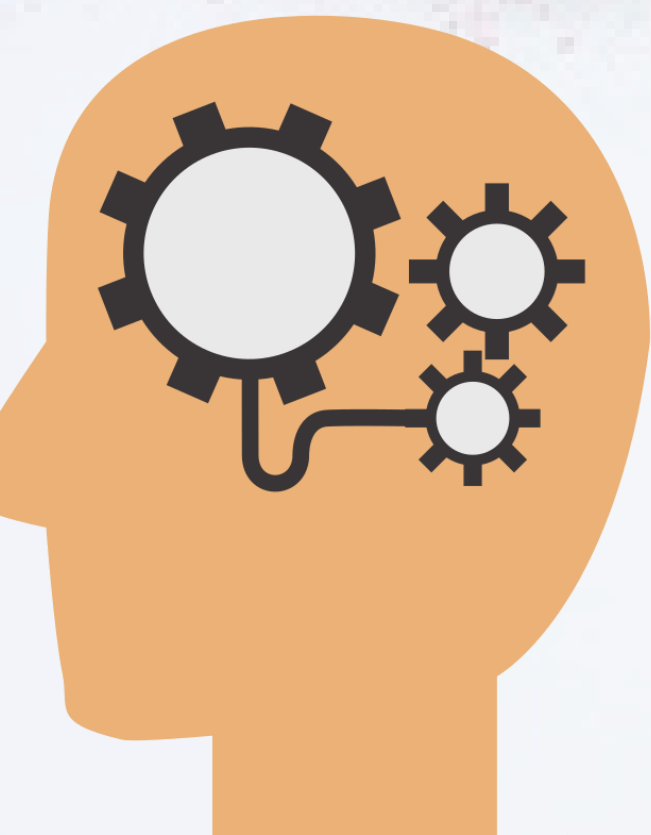
- MoU is signed for industrial visit and training, guest lectures, placement of trained students
- Faculty Exchange Program between V.V.P. Engineering College and ESSAR Oil Ltd. Jamnagar (Expert lectures by ESSAR Officials for V.V.P. students to impart industrial aspects & Expert Lectures by V.V.P. faculties to deliver theoretical aspects to ESSAR employees) (continued since July 2016).

Expert Lectures

Heavy Metal Remediation from Water Using Nano Composites (Pursuing Ph. D. from IIT Mumbai)



Ms. Yashvi Sheth has completed her B. Tech. in Chemical Engineering and M. Tech. from PDPU. She is pursuing her Ph. D. from IIT Mumbai. She conducted expert lecture on 20/02/2023. It was really a great knowledge-based session for the students. She has explained A to Z about the Nano Technology, which will help the students in future while working in the research fields related to Nanotechnology. She shared important information about history, Introduction, journey, development, concepts of adsorption applied for heavy metal remediation of Nanotechnology. The students are benefited to learn about Nano particles & Nano composites and their industrial applications. It was indeed a pleasure to have the advantage of her expertise and study experience for the current students. We are sure that the spark ignited by her during the interactive session will assist the students a lot to be more skilful and confident enough to face the practical challenges and contribute further in the society in the capacity of an ideal engineer.



Expert Lectures

Safety at Workplace

BULLETIN



EXPERT LECTURE BY MR. DILIP

G. PANCHAMIA



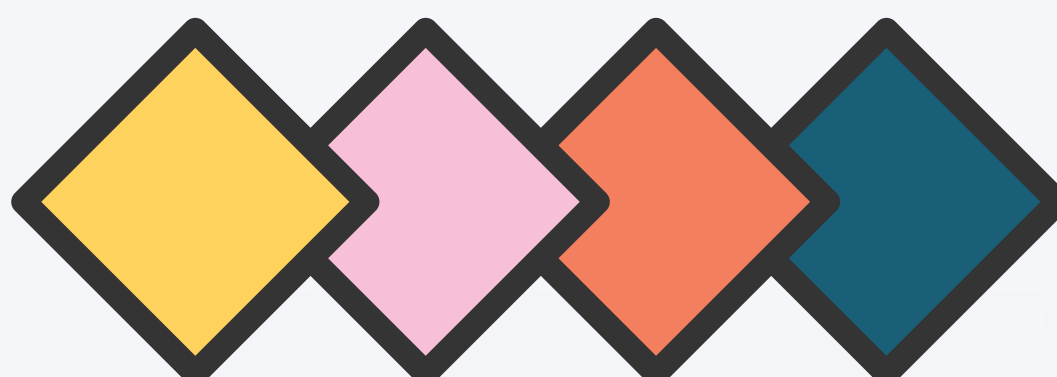
An interactive session of expert lecture was organised on 20th March 2023 by Mr. Dilip G. Panchamia has worked as Dy. Director of Industrial Safety & Health, Govt. of Gujarat. He has 39 years vast experience of Industrial Safety. He is associated with a very large number of industries and NGOs for an environmentally friendly and safer future. He has been appointed as a regional director for Gujarat building and other construction worker's welfare boards and worked as a safety consultant for the development of Atal Sarovar Yojana Lake at Rajkot under smart city mission. Presently, he is working as Safety Consultant. His Organization has conducted more than 150 Safety Programs in Saurashtra Kutchh Region. His team provides different types of Safety services, Fire services, Administrative Services and Engineering Services to client companies like Jyoti, Greenply, Gopal Namkeen, Duroply, Welspun, Simpolo etc.

The aim of this session was to make students aware about safety in all fields. He explained about safety training, precautions, measures, actions, and also how to face worst situation of accidents in Industries. The students learnt about On-site Emergency Plan, HAZOP studies, Risk Assessment, Implementation of 5 'S' etc. The students and staff very much enjoyed this lecture. Chemical Department is organizing this type of Expert Lectures very frequently for benefits of students.

Entrepreneurship Skills for budding Engineers by Mr. Vishal Sarvaiya



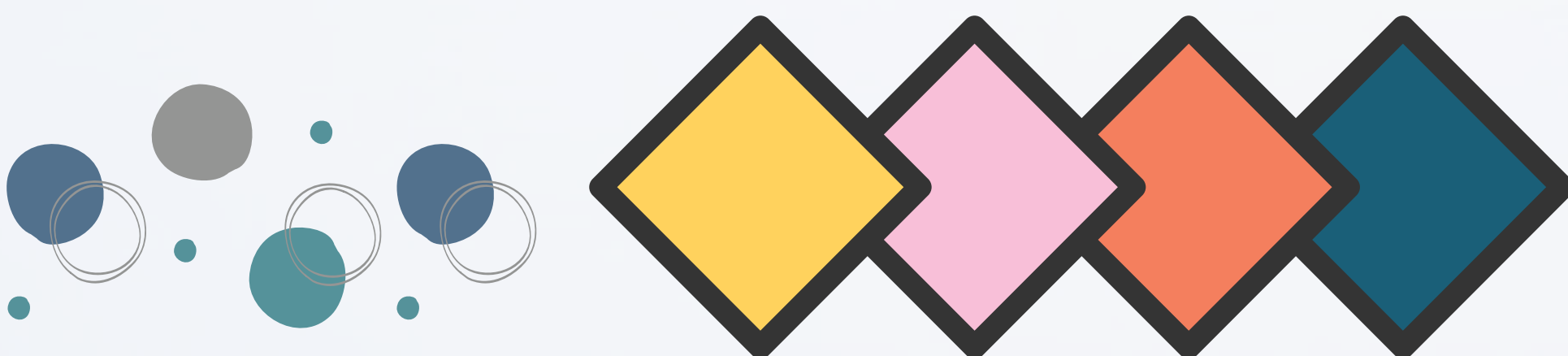
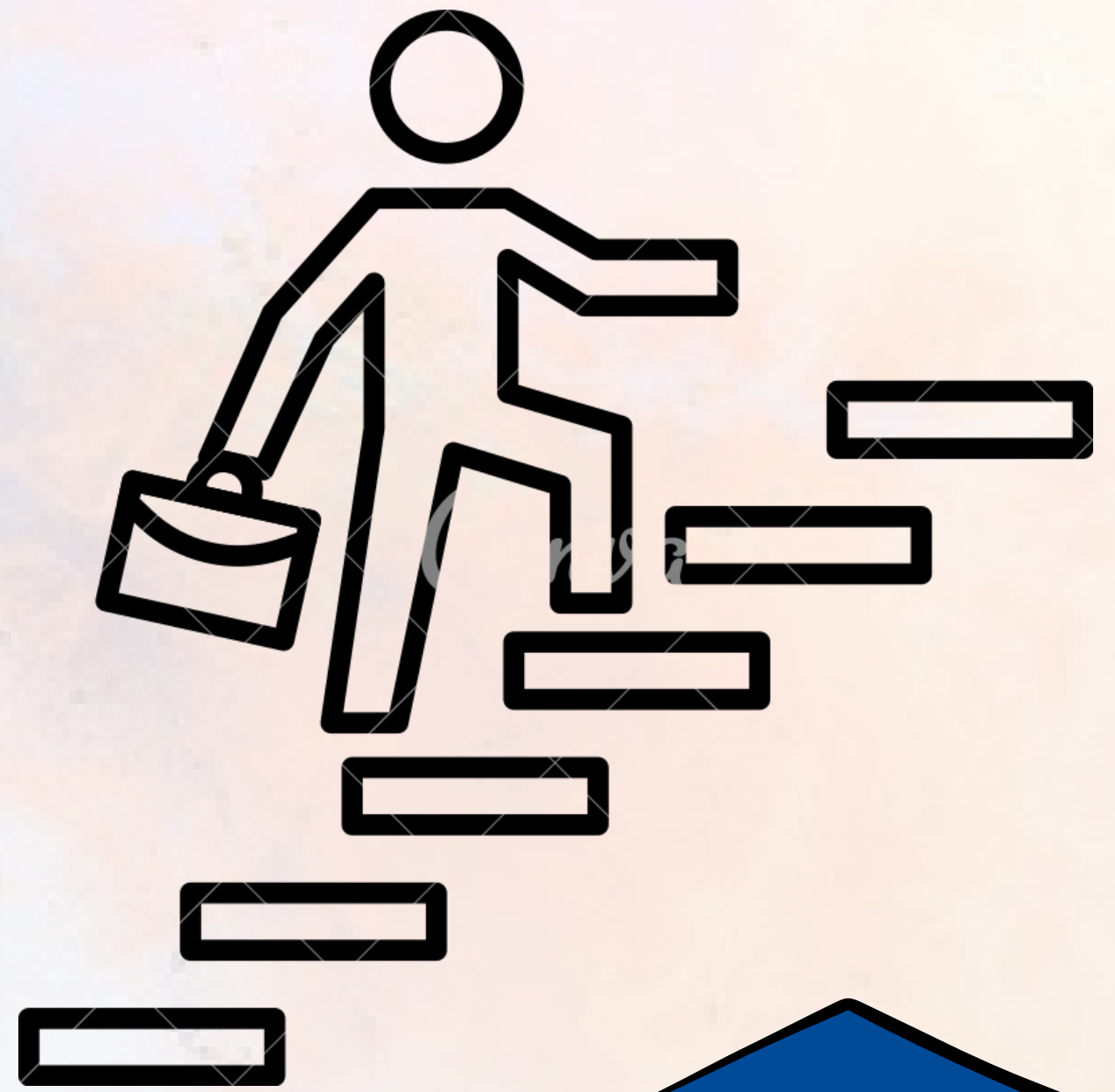
A session of expert talk was organised by Mr. Vishal Sarvaiya on 10th March 2023. He is a serial entrepreneur associated with many companies and also engaged with many social and cultural activities. Recently he is appointed as a President of Rotary Club of Rajkot Prime. He is very keen into developing of entrepreneurial skills among students. He explained the student about importance of Project, selection of Project, submission to SSIP to get grant of 2 lakhs Rupees help for filing of patents also. He guided the student to take project as lifetime opportunity, do it seriously, meet various people of industries for clarity and help for developing their project from idea to product. He also guide student to update themselves about SSIP. Approval of SSIP is a credit that will beneficial in future to commercialize the project. It is far better to think about start ups in student phase, when people don't consider the students as their competitor and help them.



Career opportunities after B.E. by Mr. Javed Malek, Founder, Career Launcher



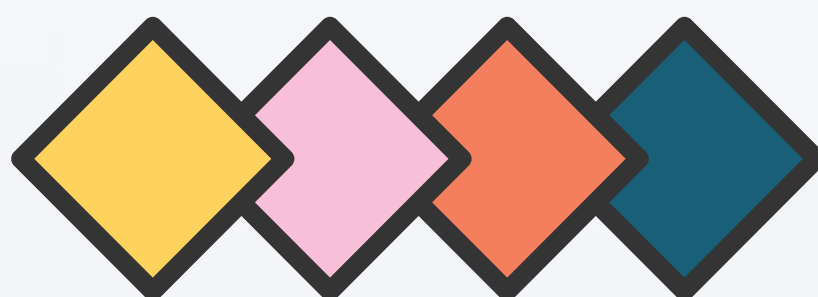
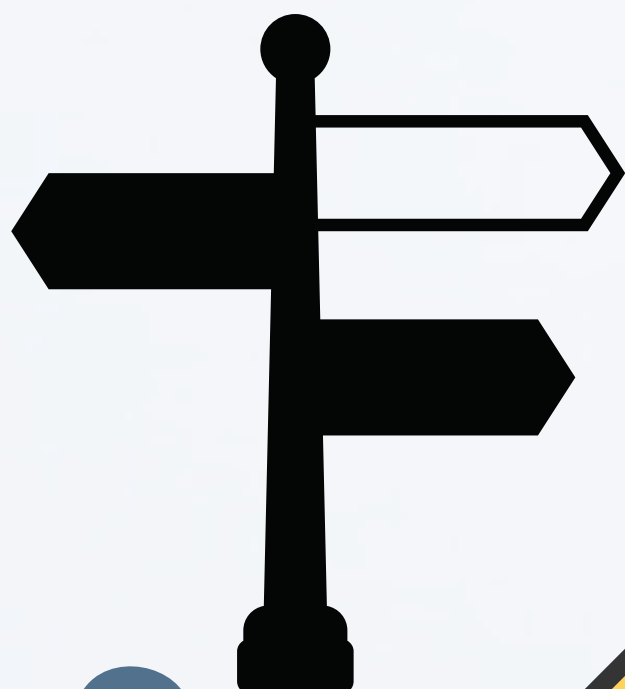
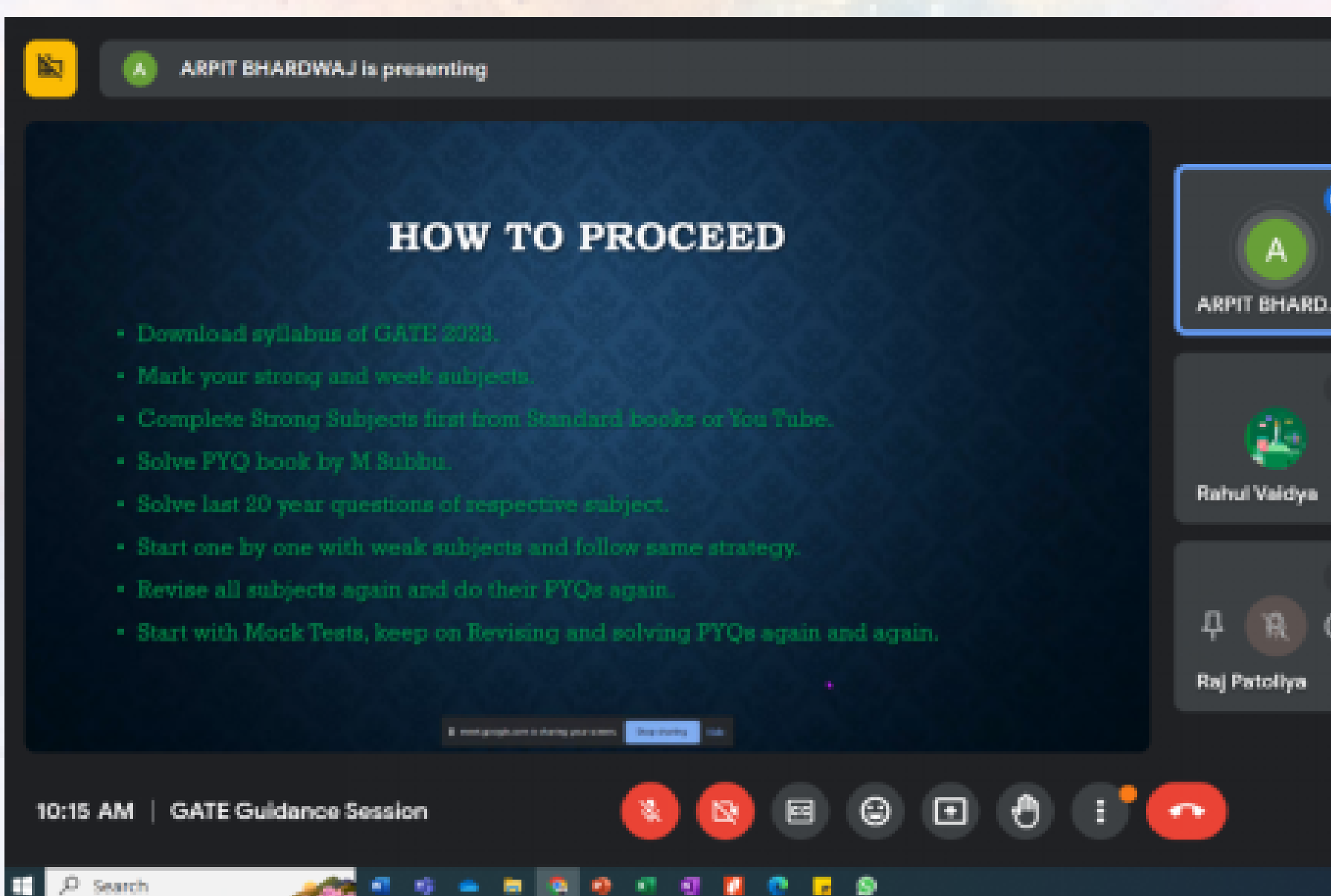
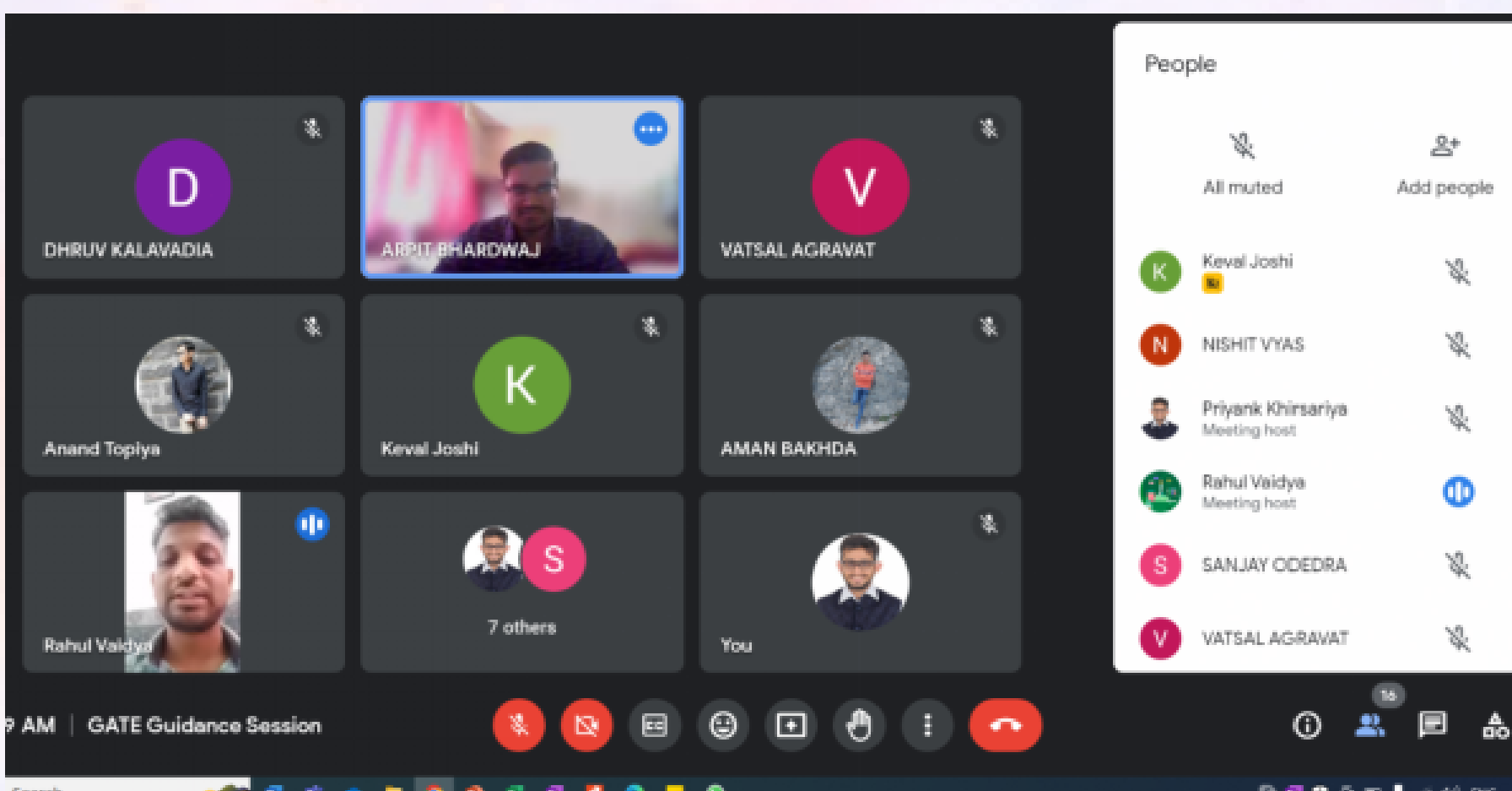
The seminar was largely management inclined where the expert guided the students on how to pursue a career in management side by familiarizing students with the top management and business school in the country and abroad and what each one specializes in, the expert further discussed specific job prospects and monetary be if it's of career in management. Students were guided by expert on what are Career options in engineering after completing their bachelor's, expert guided students on whether to choose a technical branch or a management-based branch.



GATE Guidance Session by Mr. Arpit Bhardwaj (AIR 17 GATE CH 2023)

The Chemical Engineering department organized a Gate Guidance Lecture on Preparation for GATE Examination on Thursday, 06th May 2022 to sensitize the students to sensitize the students at early stage so that they start their preparation right from second year. Mr. Arpit Bhardwaj, Final year student of Rajiv Gandhi Institute of Petroleum Technology AIR 17 GATE CH 2023, was the speaker.

Through his talk, he explained the importance of GATE exam and opening door for PSUs like ONGC, IOCL, HPCL, EIL, IFFCO etc. Along with that, he also emphasized its significance in doing Post graduation from IITs and NITs and further studies in some foreign universities like NTU, Singapore. Mr. Arpit Bharadwaj also explained the preparation of GATE Exam by following standard books, Solving PYQs, giving Mock Test and special attention on Revise, Revise and Revise. In addition to that, he quoted "don't bother about the rank just follow the steps". 20 students from 4th semester attended the lecture (Online mode) which was arranged by Rahul Vaidya and Priyank Khirsariya.



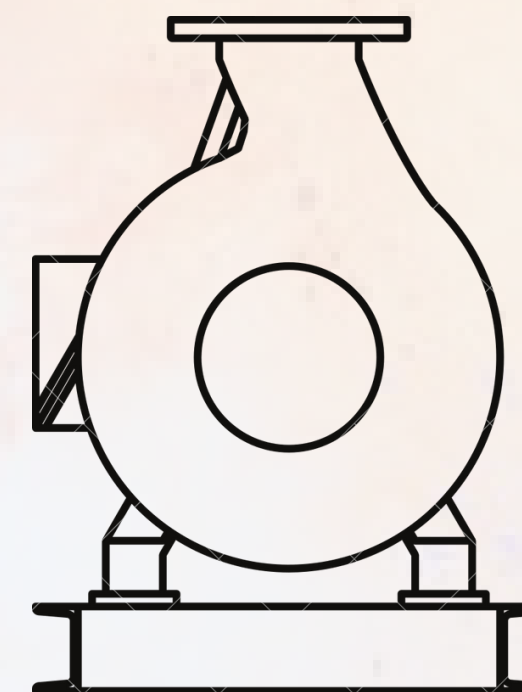
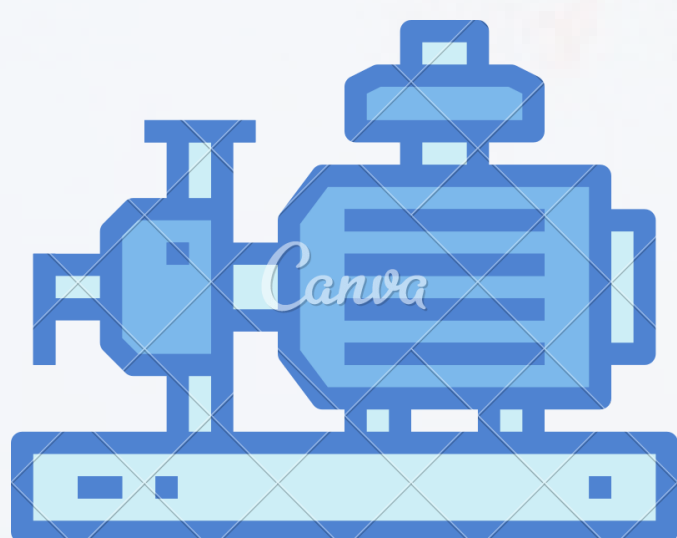
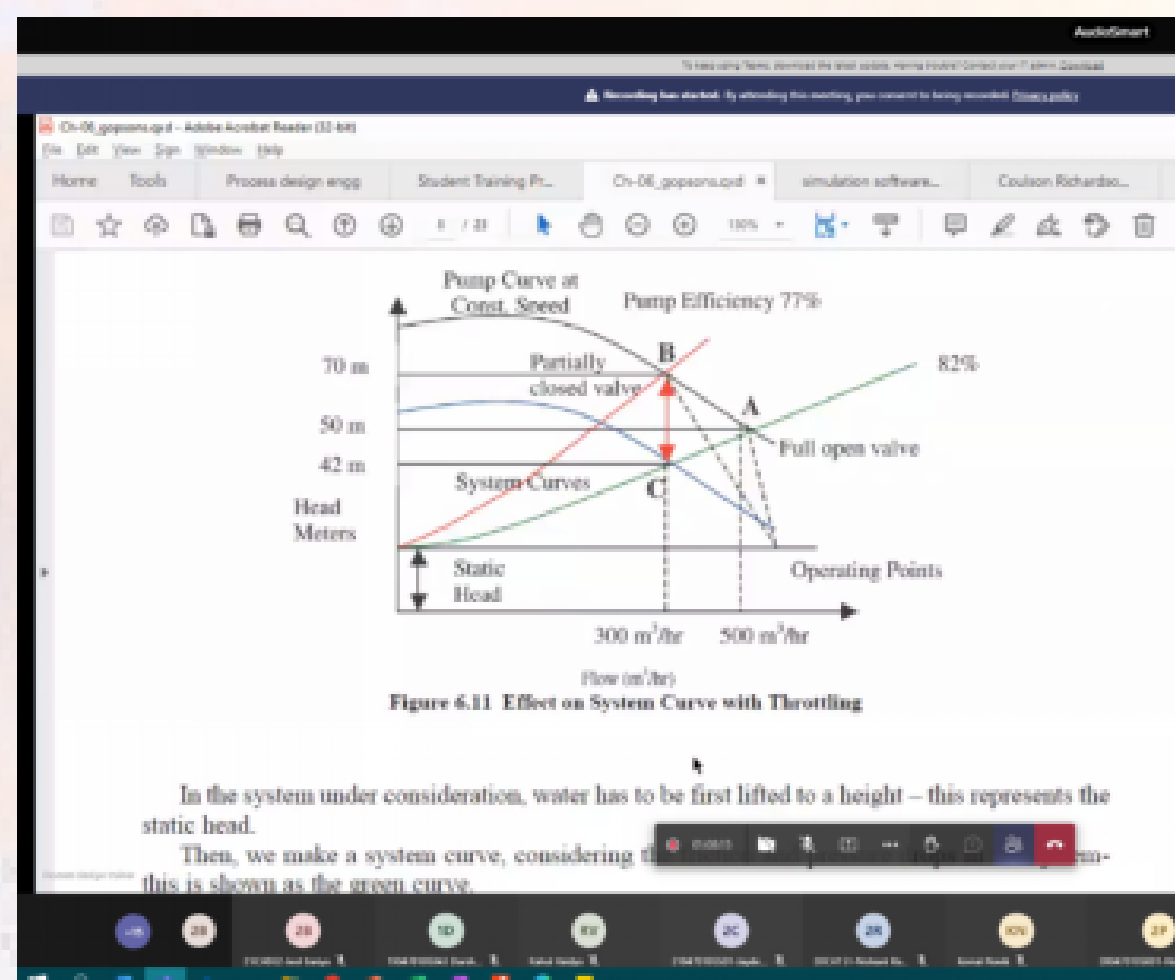
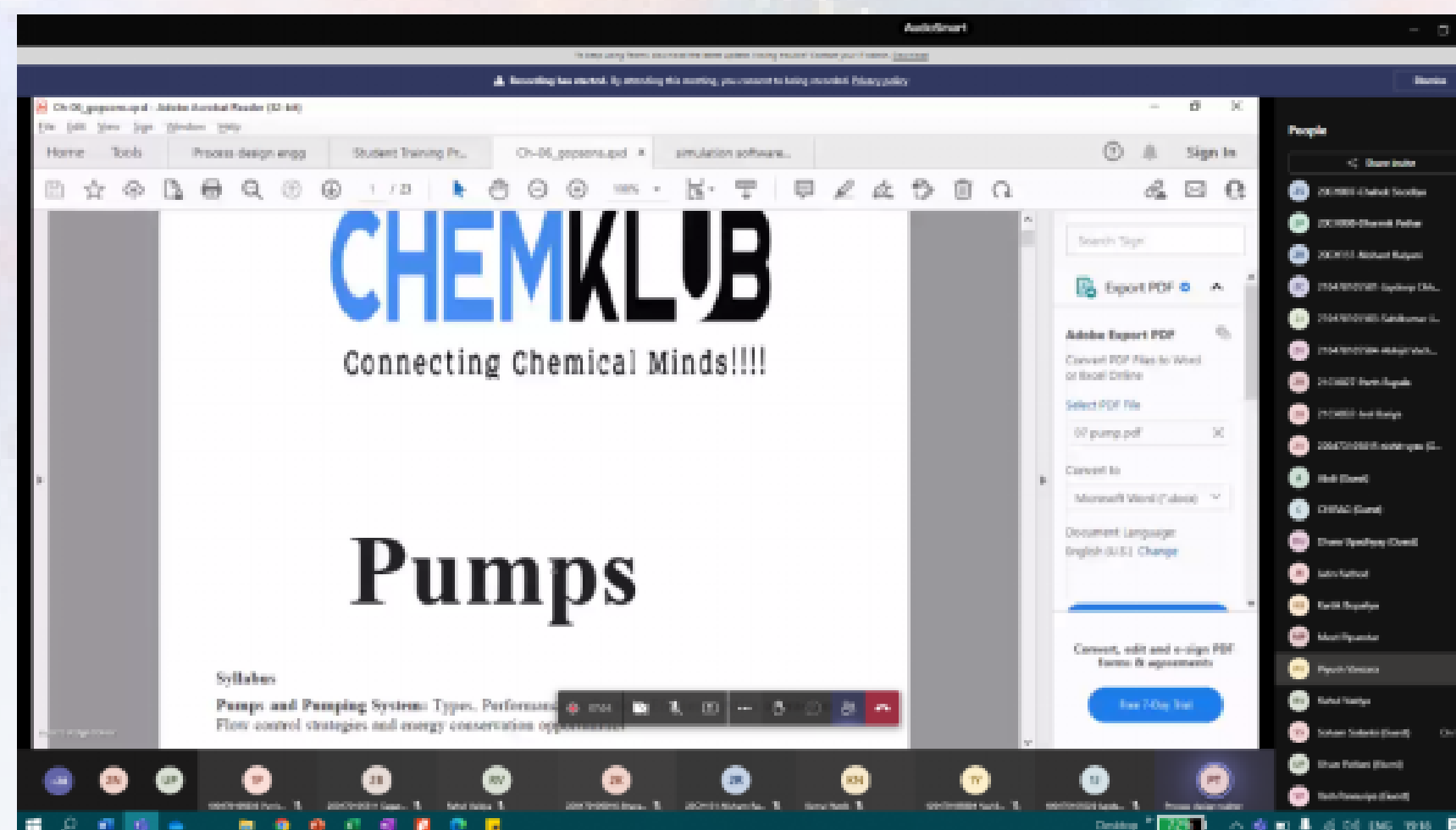
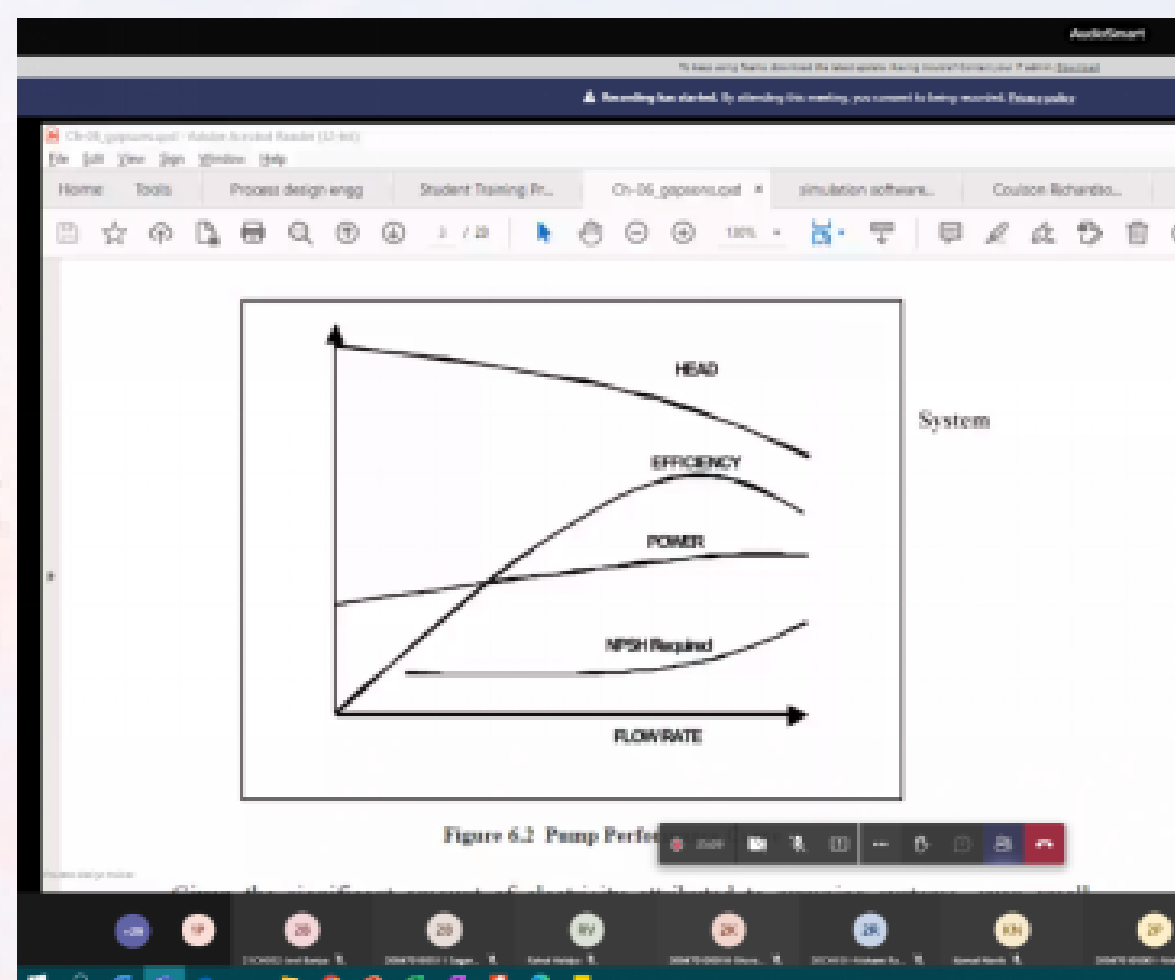
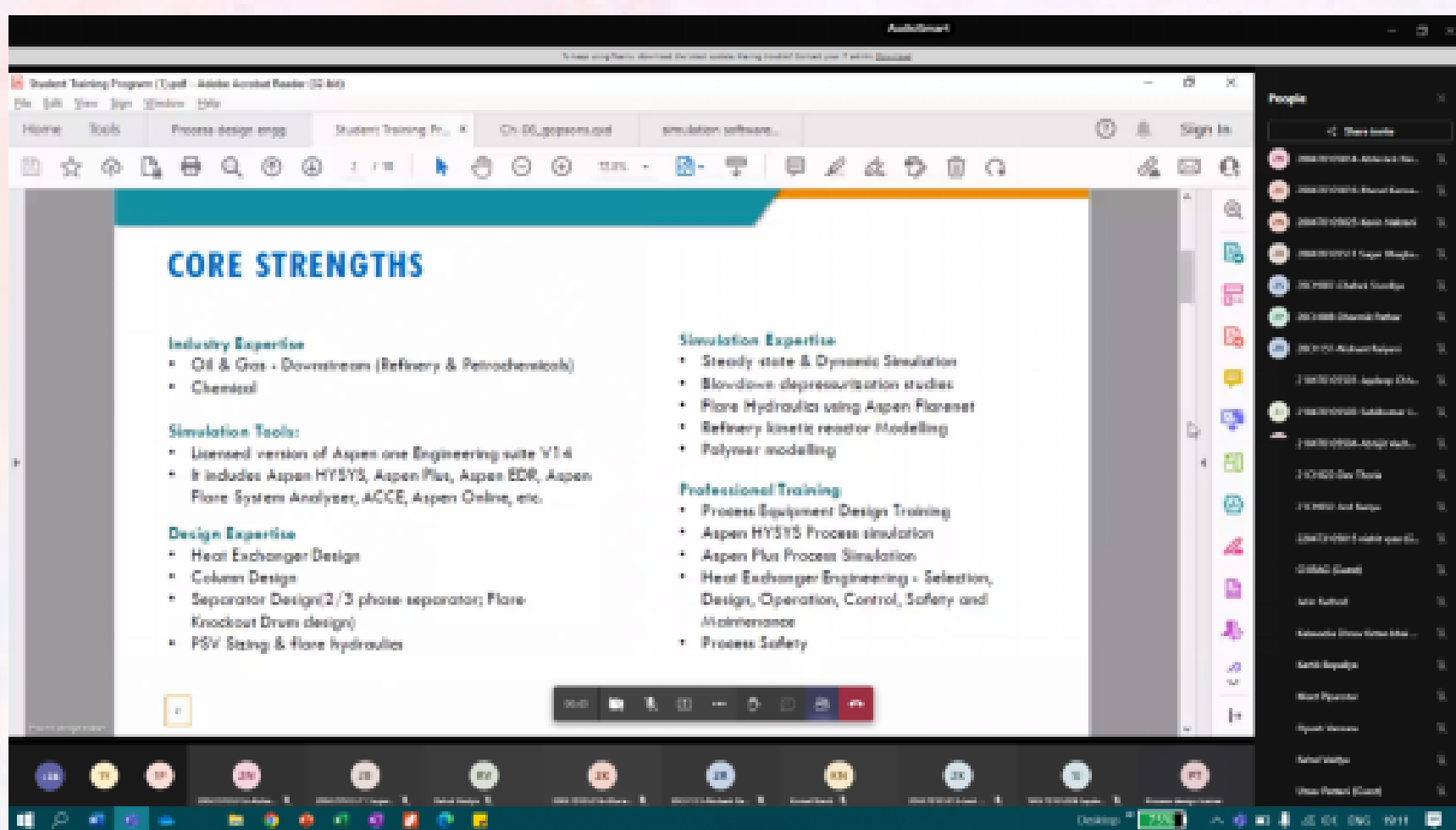
Skill Development Programme

Chemical Engineering department organized a Skill Development Program on "**Computational tools for Chemical Engineers**" from 6th Feb 2022- 10th Feb 2023 for 6th sem students. Computational tools are used for process monitoring, optimization and conceptual design especially by chemical process industries. In this course, Use of Ms-Excel, Polymath, MATLAB, and GAMS in chemical engineering problem with solutions were demonstrated which would be helpful for students, teachers, engineers and researchers in the area of R&D and Plant Design/Operation. This programme was coordinated by Mr. Priyank D.Khirsariya.



Skill Development Programme

This session was a great learning opportunity for students to enhance technical skills and make prepared for upcoming opportunities in the career. Students were guided by expert on Overview of pump, Reactor scale up & design and overview of simulation software. Experts discussed about basic of pump, Types of Pump, centrifugal pump, Characteristic curve of centrifugal pump, NPSHA, trouble shooting of pumps, Reactor design and its configuration and advanced simulators.



Skill Development Programme

Chemical Engineering department organized a Skill Development Program from 27th March 2023- 31st March 2023 for 4th sem students. The session on Objective of Skill Development Program on Environment Audit was delivered by Dr. Piyush Vanzara. He has explained skills to conduct effective and efficient audits of environmental management audit.

Pratik Kordiya and Jilesh Pandya demonstrated the measurement of air quality parameter such as (PM, SO₂ and NO_x) using the instruments ambient air monitoring equipment. Dr. Sushil Korgaokar and Mr. Rahul Vaidya explained stack monitoring method with demonstration. They explained methods for the measurement of total volume, velocity, Flowrate and Moisture content of discharged gaseous pollutants which includes particulate matter, SO₂, NO_x, etc.

Dr. Darshana Bhatti delivered a session on 'Environment Audit Report Writing' and explained various key steps in writing an effective environment audit report. In the last session, she also demonstrated different instruments for the waste-water characterization.

Student really enjoyed all the sessions and wish to continue such types of topics in future as a part of skill development program.



Alumni Interaction

Mr. Tejas Kava (2021) An expert talk on 'Importance of regular studies and college activities'



Mr. Tejas Kava, alumni of 2021 batch, Chemical Engineering Department of V.V.P. Engineering College, Rajkot interacted with the students of 6th Semester on 17th March 2023. Tejas Kava is a Gold Medallist in Chemical Engineering in GTU 2021 batch and currently pursuing his masters degree. He emphasised on classroom studies and attending the lecture and lab sessions regularly. He stressed on how the knowledge gained during lectures and labs help students in their career. He also talked about how active participation in different events and activities conducted by the college help in shaping the personality of the students.

He also shared tips for preparing for GTU exams and importance of reading reference books and online resources like NPTEL.



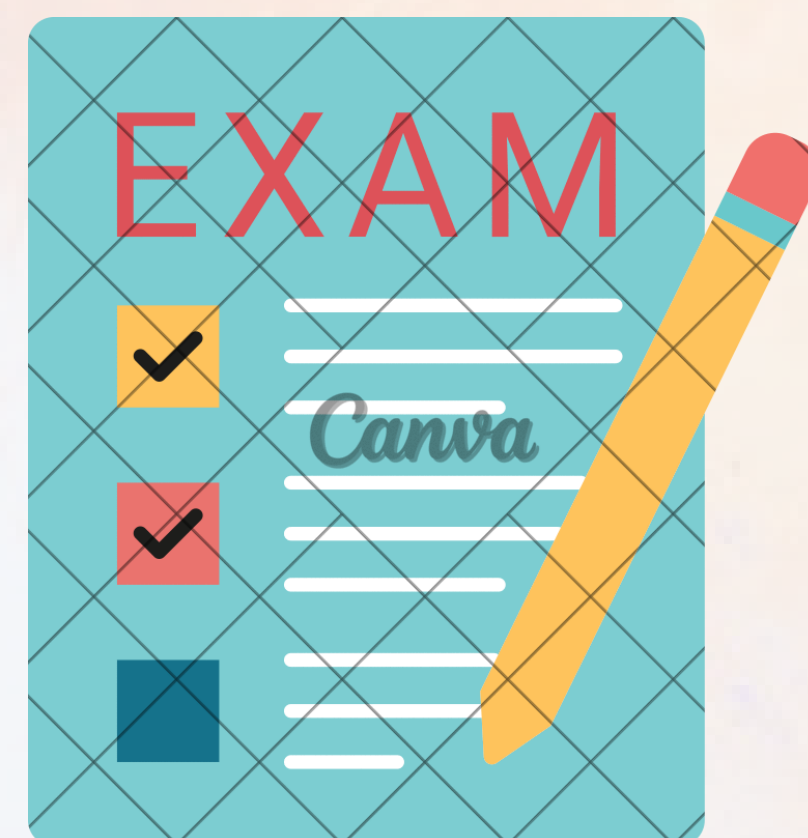
Alumni Interaction

Rohit Mehta (Alumni 2020) (GATE SCORE-760, GATE-23)

An expert talk on 'Preparation methodology for GATE Examination'



The Chemical Engineering department organized a Gate Guidance Lecture on Preparation methodology for GATE Examination on Tuesday, 25th March 2023 to sensitize the students at early stage so that they start their preparation right from 3rd year. Rohit Mehta, Alumni of 2020 batch, was the speaker. Through his talk, he explained the importance of GATE exam, method for preparation, important topics on which more questions are asked, notes preparation, Test series, Online resources, PYQS, books required for preparation and consistent preparation. He explained his own journey for the GATE exam preparation. Qualifying GATE examination with excellent score not only offers chance to get admission to M Tech in premier institutes like IITs and NITs but also offers job openings in public sector companies and R &D. 42 students from 6th semester attended the lecture which was arranged by Priyank Khirsariya.



Alumni Interaction

Mr. Kismat (2020) An expert talk on 'Guidance for career'

Mr. Kismat Sarvaiya alumni of 2020, Chemical Engineering Department of V.V.P. Engineering College, Rajkot interacted with the students of B.E. 4th Semester. In the beginning, Prof. Pratik Koradiya - Assistant Professor introduced the students to the Alumni. Mr. kismat is working as a video creator. He gave career related guidance and suggested us to follow our passion and choose it fearlessly as our career option as he also did the same.

Kismat's first salary was just Rs. 2500 but he still worked hard because it was his passion and he proved himself. He talked about his experience on how he switched his field from chemical engineering to mass media. He got to know about his interest in 5th semester and started his career by working in FM radio free of cost. He suggested us to join various activity clubs in college to discover our personal interest which we can choose as a career option. He showed us an example of how you can be successful by following your passion and choosing it as a career option.



Alumni Interaction

Mr. Jay P. Rever (2022) An expert talk on ' future scope of the chemical engineering in various sectors'

Mr. Jay Rever, alumni of 2022, Chemical Engineering Department of V.V.P. Engineering College, Rajkot interacted with the students of B.E. 6th Semester. In the beginning, Prof. Pratik Koradiya - Assistant Professor introduced the students to the Alumni.

Mr. Jay Rever is working in Nirma Chemical Ltd, Bhavanagar since 2022 as an engineer. He gave career related guidance and talked about the future scope of the chemical engineering in various sectors. He also discussed the importance of engineering subjects in the industry.

Beside this, he also discussed the importance of soft skills in industries and talked about the importance of manpower management, human relations, and lifelong learning for the continued growth in career. He insisted students to take part in all college level activities for their overall development.



Alumni Interaction

**Mr. Harsh Bhatt (2023 Alumni) GET, Alembic Pharmaceuticals
An expert talk on 'importance of peer learning and its advantages'**

Mr. Harsh Bhatt, alumni of 2023, Chemical Engineering Department of V.V.P. Engineering College, Rajkot interacted with the students of 4th Semester. Prof. Jilesh Pandya - Assistant Professor coordinated this interaction session. He introduced the speaker to the students.

Mr. Harsh has completed Chemical engineering in 2023. He was selected and currently working as Graduate Engineer Trainee in Alembic Pharmaceuticals, Vadodara. Mr. Harsh has described the importance of peer learning and its advantages to the students. Students also interacted during the session to get their doubts solved.



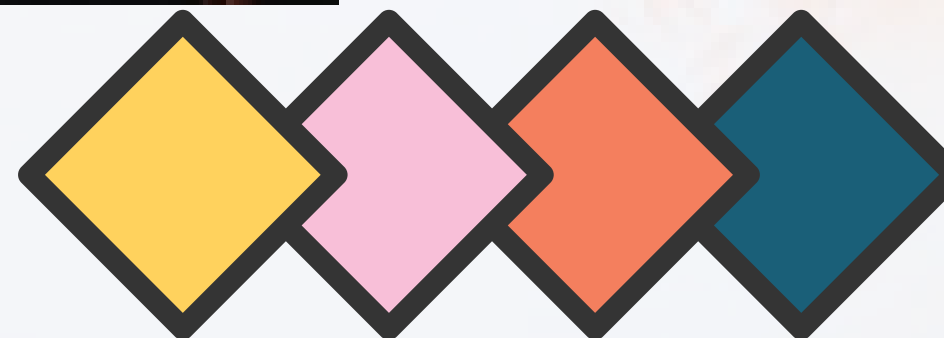
Parents Meeting



The parents meeting was organized by Chemical Engineering Department on Wednesday, 13th May 2023 in P.D.C. auditorium at 9:45 am. Total 17 Parents were present. The main objective of parents meeting is to create a common platform, where teacher and parents come together to enrich the student's educational experiences and discuss variety of issues, regarding overall development of students.



After this, parents met the individual faculty members where they have discussed about the academic performance of the students like class attendance, marks in mid semester and overall discipline in the department, etc. The programme was coordinated by Mr. Priyank Khirsariya.



Industrial Visit

Visit to Raiyadhar Sewage Treatment Plant, Rajkot

Chemical Engineering department organized industrial visit at sewage treatment plant, Raiyadhar on 17/02/2023 for the students of 6th semester. Dr. Vyomesh Parsana, accompanied the students during the visit.

During the visit, students were informed about basic details related to wastewater, impurities, how it is collected and reached to the treatment plant, and at last about process of wastewater treatment discarded by household water from west zone of Rajkot city. Students were gone through different treating units like Inlet chamber, Screen Units, Grit chamber, Primary settling tank, Aeration tank, Secondary settling tank, Sludge digesters. Rajkot Municipal Corporation (RMC) has several sewage treatments plants (STPs) functioning currently including Madhapar, Gauridad, Raiya and Raiyadhar, Kothariya having capacity of 300 MLD. These plants are working on sequence badge reactor (SBR) technology which has a high level of BOD. That is why the water can't be reused for many purposes. This treated water is released in Nyari-2 dam. Heavy odor from high levels of BOD keeps people away from using the water in their homes.



Visit to Orchev Pharma, Shapar, Rajkot

Mr. Palak Patel has explained well all processes for Ranitidine (Pharmaceutical Product) manufacturing. Orchev Pharma Pvt. Ltd has a reputation for manufacturing Ranitidine as per the latest USP/EP/BP/IP. leading manufacturer of high quality of pharmaceutical raw material in the Gujarat State of India. The unit is manufacturing high-quality Ranitidine, Famotidine, Allopurinol and Levetiracetam, students has got exposure to equipment such as reactors, absorbers, effluent treatment plant, heat exchangers etc.



Industrial Visit

Visit to EPP Composites, Kuvadva, Rajkot

Students of 4th sem Chemical engineering has visited EPP Composites, Kuvadva, Rajkot on 04/05/2023. Staff member Mrs. Dhara Upadhyay had accompanied students. Students has got exposure to industrial scale equipments and learned about their operations. Mr. Dabhi sir has explained well all processes for polymer/ composite equipments (reactor, Scrubber etc) manufacturing. The company is India's Global Composite Manufacturer. it is involved in manufacturing of all types of fiberglass composite manufacturing facilities, like resin transfer moulding machines, latest computerized filament winding machines, vacuum infusion facility, spray up machines, centrifugal casting, compression moulding facility, polyurethane sandwich and hand layup process.



Visit to Shree Vam Industries, Kuvadva, Rajkot

Students of 4th sem Chemical engineering visited Sarthi chemicals, Rajkot on 10/09/2022. Staff members Mrs. Dhara Upadhyay had accompanied students. The company is India's Global Composite Manufacturer. Established in 2010 by 3 Cheerful Young Professionals with a zest to form repute in market. With an Expertise to manufacture best quality material with modern techniques to produce material at most competitive price. Students has got exposure to industrial scale equipment and learned about their operations. high quality range of Aluminium Sulphate Granules, Aluminium Sulphate Lumps, Ferric and Non Ferric Alum, etc. Mr. Vishal Sarvaiya sir has explained well all processes for Alum products manufacturing. Students has got exposure to industrial scale equipment such as reactor, heat exchangers, pumps, scrubber, cooling towers etc.



"Failure is the seed of success"

- Kaoru Ishikawa

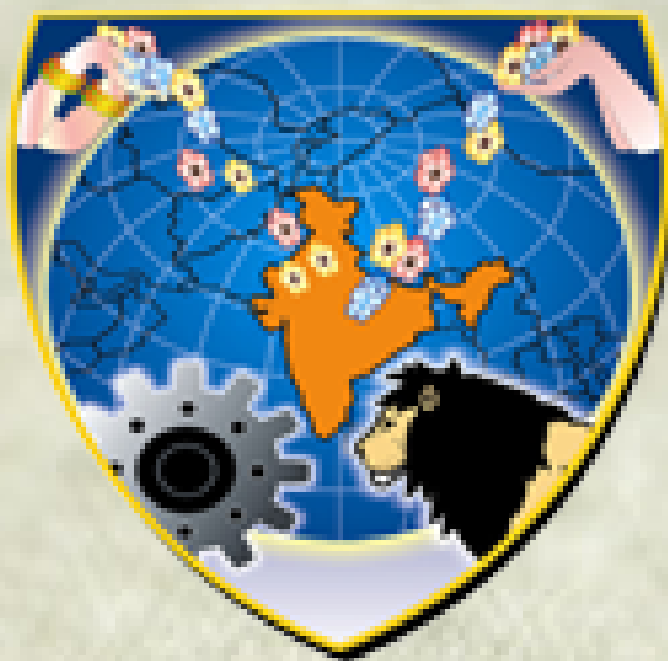
"Everyone has a purpose in life and a unique talent to give to others. And when we blend this unique talent with service to others, we experience the ecstasy and exultation of own spirit, which is the ultimate goal of all goals" - Dr. Kallam Anji Reddy

"Make mistakes but never repeat them"- Harsha Bhogle

વી.વી.પી. એન્જીનીયરીંગ કોલેજના વિદ્યાર્થીઓ માટેની પ્રતિજ્ઞા



राष्ट्राय स्वाहा इवं न मम ।



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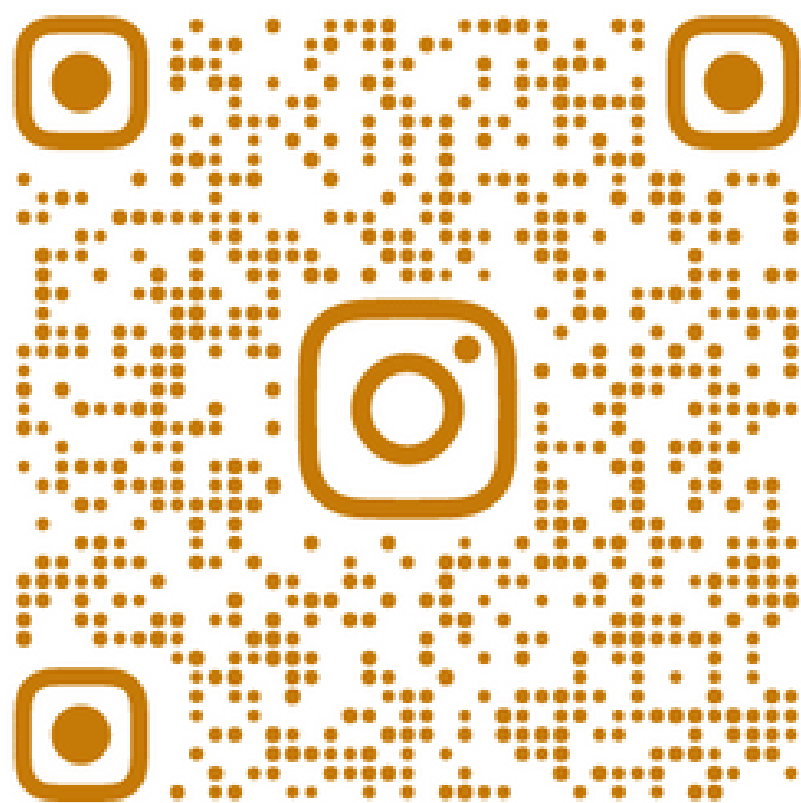
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