

Bansilal Ramnath Agarwal Charitable Trust's

Vishwakarma Institute of Technology

(An Autonomous Institute affiliated to Savitribai Phule Pune University) PUNE-411037



EPEC-CLUBS

Year Report

Name of the Team: Chemical Engineering Students' Association (ChESA)

Main Objective of the Team: To provide a platform for technical innovation and understanding in the field of Chemical Engineering and Technology. To provide hands-on experience by proffering industrial internships, software workshops and technical seminars To encourage research prospects in chemical engineering and its multidisciplinary fields such as food technology, pharmaceutical technology, drug delivery and development, dyes surfactants, petroleum and petrochemical technology, textile engineering.

Number of events conducted in AY 2023-2024	10
Name of the events:	1. Chem-E-Art (A Technical Poster Making Competition) 2. Expert Talk - Introduction to Pumps 3. GATE UNPLUGGED'23 4. Teachers' Day X Engineers' Day Celebration 5. AutoCAD Workshop 6. Advanced Excel Workshop 7. Third Year Industry Visit 8. Second Year Industry Visit 9. Chem-O-Philia 10. Hydraulic Calculations Workshop and Placement Guidance Session
Number of Team Members:	34
Name of Key Organisers:	Palash Kaduskar Vedvati Kelkar Manas Kulkarni
Provide the link of your Social Media Handles	Instagram: https://www.instagram.com/chesa_vitpune/ Facebook: N.A. LinkedIn: https://www.linkedin.com/in/chesa-vit-pune/ Twitter: N.A. Website: https://chesa-vit-pune.website2.me/

Individual Event Reports

Name of the event:	Chem-E-Art (A Technical Poster Making Competition)
Dates of event:	28th July 2023 to 1st August 2023
Online Platform/ Venue:	Online (Through Google Forms)
Event span (hours/days)	4 days
Footfall/Total attendance	10 participants
Name and contact of the key organiser(s)	•
No. of people involved in the organising committee (all levels of hierarchy included, Core team to Volunteers)	31
Objective of the event	A technical poster making contest was organized with an aim to encourage students to showcase their knowledge about chemical engineering domains through creative posters.
Brief description of the said event	 The contest was conducted in an online mode from 28th July 2023 to 1st August 2023. A google form was floated via whatsapp messages and instagram stories. Participants had to submit the created poster on the drive link provided in the google form. Results were declared on 4th August 2023 through whatsapp message. Winners were given a shoutout via instagram stories. Certificates and club badges were awarded to the winners as a token of achievement. E-Certificates were issued to all the participants on 9th August 2023.
Key event outcomes	 Encouraged students to showcase their knowledge through creative technical posters. The contest was open for all the departments, in turn giving them an opportunity to know more about the allied chemical engineering domains.
Milestones set by the event (if any)	N.A.
Name and bio of chief guest along with social media links (if any)	N.A.



Name of the event:	Expert Talk - Introduction to Pumps
Dates of event:	20th August 2023
Online Platform/ Venue:	Online (Through Google Forms)
Event span (hours/days)	2 hours
Footfall/Total attendance	38 attendees
Name and contact of the key organiser(s)	Palash Kaduskar - 9604932655
	Vedvati Kelkar - 7066559404
	Manas Kulkarni - 9000215222
No. of people involved in the organising	32
committee (all levels of hierarchy included,	
Core team to Volunteers)	
Objective of the event	To give the students of Second Year &
	Third Year a brief idea about the basics of "Pumps", which is an integral topic in the
	field of Chemical as well as Mechanical
	Engineering.
Brief description of the said event	1. The expert talk was conducted in an
Brief description of the said event	online mode on 20th August 2023.
	2. The event was publicized via Whatsapp
	message on Chemical and Mechanical
	Engineering division groups.
	3. It was a 2 hour long event followed by an
	interactive session and a short quiz.
	4. The speaker covered all the points that
	are required to gain basic proficiency on the
**	topic.
Key event outcomes	1. Attendees got an insight into the
	application based prospective of the
	theoretical knowledge gained through academics.
	2. Attendees got to know about current
	opportunities in the field of chemical
	engineering and allied fields that are
	available abroad and also the skill-set
	required to be a perfect fit in the current
	market.
Milestones set by the event (if any)	N.A
Name and bio of chief guest along with	Mr. Rajesh Kale
social media links (if any)	(M.Tech Chemical Engineering from
color modiu mino (m um)	Mumbai University, Experienced Senior
	Process Engineer with a demonstrated
	history of working in the oil and energy
	industry)
	https://www.linkedin.com/in/rajesh-kale-
	ceng-micheme-57b89623/



Name of the event:	GATE UNPLUGGED'23
Dates of event:	3 rd September 2023, 7pm to 8.30pm
Online Platform/ Venue:	Online: Google Meet
Event span (hours/days)	1.5 hours
Footfall/Total attendance	96
Name and contact of the key organiser(s)	Palash Kaduskar - 9604932655
	Vedvati Kelkar - 7066559404 Manas Kulkarni - 9000215222
No. of people involved in the organising committee (all levels of hierarchy included, Core team to Volunteers)	32
Objective of the event	To provide thorough guidance to the
, and the second	Chemical Engineering Students regarding
	various aspects of GATE Exam & boost
	their preparation
Brief description of the said event	 The event was organized to inspire students to learn more about the perks of applying for GATE Examination, keeping in mind that the application forms for 2024 are out. The guidance session was conducted by Mr. Chirag Jain, AIR 50 GATE'23. The speaker covered following topics: Opportunities through GATE Examination. Exam Pattern Overall preparation and revision strategy. This was followed by a QnA session in which the speaker covered all the doubts of the students on varied topics like placements, internships, reference books etc.
Key event outcomes	The event played a pivotal role in increasing the reach of ChESA in various colleges across the country. Students from renowned Chemical engineering colleges like ICT Mumbai, IIT BHU joined the event to seek guidance from the speaker. The event also helped to create awareness among the students which seemed to be

	previously lacking as reflected from the feedback.
Milestones set by the event (if any)	Highest Attendance for an online event organized by ChESA in last couple of years
Name and bio of chief guest along with social media links (if any)	 Mr. Chirag Jain ➤ Currently working as Executive Trainee (Chemical) at GAIL (India) Limited. ➤ Completed his BTech. in Chemical Engineering from Rajiv Gandhi Institute of Petroleum Technology (RGIPT) ➤ Cracked GATE'23 CH with AIR 50 ➤ Selected for L&T Hydrocarbon and GAIL (India) Limited through campus placements ➤ Cleared BARC Interview for OCES'23 Programme for the post of Scientist-C ➤ Mentored and guided over 1000 students in GATE preparation Linkedin Handle: https://www.linkedin.com/in/chirag-jain-855028194



Name of the event:	Teachers' Day X Engineers' Day Celebration
Dates of event:	15th September 2023, 2:30 PM - 4:00 PM
Online Platform/ Venue:	Offline: Classroom 4005
Event span (hours/days)	1.5 hours
Footfall/Total attendance	50
Name and contact of the key organiser(s)	Palash Kaduskar - 9604932655 Vedvati Kelkar - 7066559404 Manas Kulkarni - 9000215222
No. of people involved in the organising committee (all levels of hierarchy included, Core team to Volunteers)	32
Objective of the event	The objective of this event was to express respect & gratitude towards all the faculty members of the Department of Chemical Engineering for their invaluable contribution in shaping the aspiring future chemical engineers of the country.
Brief description of the said event	 The event was organized to express gratitude towards the teaching as well as non teaching staff of the Department of Chemical Engineering. Google forms were floated a few days before the event for students who wanted to perform during the celebration. The event was conducted in offline mode in classroom 4005 in the presence of the teaching and nonteaching staff of the department along with the students of the department. The faculty members were felicitated by the core team of ChESA. It was followed by performances by the students for the teachers. The performances included energizing dance, melodious music, stand-up comedy followed by a heart-touching poem written by one of the students for the teachers. Fun games integrated in the celebration ensured active

	participation of the faculty members
	in the programme & made it memorable for all.
	 The event concluded with a group photo with all the faculty members and the students.
Key event outcomes	 The event was a mini departmental get-together in which students got a chance and exposure to showcase their extra-curricular talents. This non-technical event helped ChESA to increase its reach & interaction especially amongst the Second Year students who are currently in their common module & relatively new to the activities conducted in the department. The overall event was an exciting & fun experience for the faculty members & helped them refresh from their daily schedules. The bond & co-ordination between the students & the non-teaching staff was also boosted through this celebration/ felicitation.
Milestones set by the event (if any)	N.A.
Name and bio of chief guest along with social media links (if any)	N.A.



Name of the event:	AutoCAD Workshop
Dates of event:	11th & 12th January 2024, 4 PM to 8 PM
Online Platform/ Venue:	Offline - Room No. 1020
Event span (hours/days)	8 hours
Footfall/Total attendance	57
Name and contact of the key organiser(s)	Palash Kaduskar - 9604932655
	Vedvati Kelkar - 7066559404
	Manas Kulkarni - 9000215222
No. of people involved in the organising committee (all levels of hierarchy included, Core team to Volunteers)	5
Objective of the event	To provide hands on learning experience to the students of chemical engineering on the AutoCAD Software which is used in the industry.
Brief description of the said event	 The event was organised for the students to grasp and learn the software from an industrial expert which gave them hands-on experience on the software. The main aim of this workshop was to make the students aware about the Plant Design Diagram which is a necessary requirement in the Chemical Engineering Industry. The 8 hours guidance session was conducted by Mr. Sachin Patange, who has 25+ years of experience in teaching AutoCAD.
Key event outcomes	This workshop covered the fundamentals of Piping, basic drawing structures, Process Flow Diagram, Process Utility Diagram and Piping & Instrumentation Diagram, Orthographic and Isometric projection.
Milestones set by the event (if any)	Highest Attendance for an offline workshop organized by ChESA in the last couple of years.
Name and bio of chief guest along with social media links (if any)	Mr. Sachin Patange ➤ 25+ years of experience in teaching AutoCAD.

Add any kind of additional information or a ready report if you wish to which can be used by team Vaatchal (Optional):





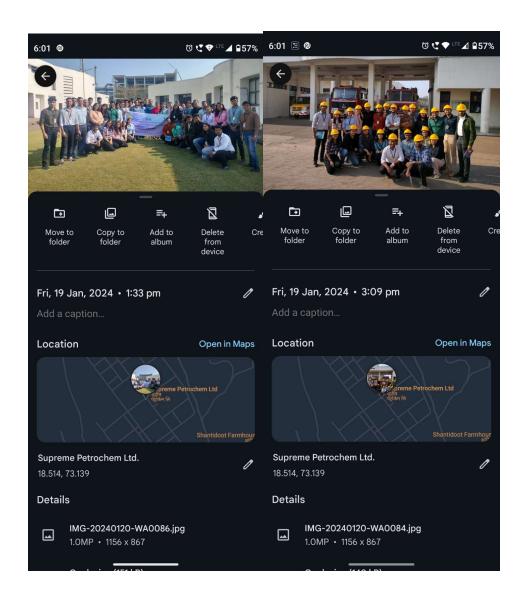
Name of the event:	Advanced Excel Workshop
Dates of event:	14th January 2024
Online Platform/ Venue:	Online - Google Meet
Event span (hours/days)	4 hours
Footfall/Total attendance	38
Name and contact of the key organiser(s)	Palash Kaduskar - 9604932655
	Vedvati Kelkar - 7066559404
	Manas Kulkarni - 9000215222
No. of people involved in the organising	3
committee (all levels of hierarchy included,	
Core team to Volunteers)	
Objective of the event	To provide hands-on learning experience to the students of chemical engineering on the Microsoft Excel and learn advanced formulas, data analysis techniques, time- saving tricks, and gain a competitive edge in the digital era.
Brief description of the said event	The event was a 4 hour online workshop that was conducted in two sessions. Session 1: 8 AM - 9.50 AM Session 2: 10 AM - 12 noon The first session was primarily focussed on making the attendees aware of the basics of MS-EXCEL and then its advanced features along with the different short-cut keys which would save a lot of time. Eg. Features like types of paste options in EXCEL, format painter, orientation, conditional-formatting, function library, engineering functions, formula auditing, chart/table insertion etc. The second session was focussed on introduction to VISUAL BASIC for APPLICATIONS (VBA) of MS-EXCEL. Mass balance for decantation with recycle was explained and covered in detail using VBA along with the property function.
Key event outcomes	The interactive workshop ensured that the participants cleared their each

	 and every doubt during the session itself. The workshop tried to introduce the attendees to the power of using EXCEL in the designing of process equipment with ease. Participants also gained key insights as to how EXCEL is a powerful tool in the chemical industry through the experiences shared by the expert speaker.
Milestones set by the event (if any)	N.A.
Name and bio of chief guest along with	Mr. Rutuparna Thatte
social media links (if any)	➤ M.E. Chemical Engineering
	 2.5 years of experience as a Design and Simulation engineer at Praj Industries Ltd., 2 years of experience in the Production dept. at Jubilant Lifesciences Ltd., and 0.5 years of experience as a process engineer at JACOBS Engg (I) Ltd. LinkedIn: https://www.linkedin.com/in/rutupar na-thatte-b4961a136/



Name of the event:	Third Year Industry Visit
Dates of event:	19th January 2024
Online Platform/ Venue:	Offline
Event span (hours/days)	19 hours
Footfall/Total attendance	43
Name and contact of the key organiser(s)	Palash Kaduskar - 9604932655
	Vedvati Kelkar - 7066559404
	Manas Kulkarni - 9000215222
No. of people involved in the organising	9
committee (all levels of hierarchy included,	
Core team to Volunteers)	
Objective of the event	The primary objective of organizing an industry visit for third-year students is to bridge the gap between theoretical knowledge gained in the classroom and real-world industrial applications. The industry visit aims to enhance their understanding of industry practices, safety protocols, and the application of theoretical principles in solving real-world challenges. Furthermore, it provides a platform for students to interact with industry professionals, fostering networking opportunities, and gaining a glimpse into potential career paths.
Brief description of the said event	 Name of the Industry: Supreme Petrochem Ltd, Nagothane MIDC, Taluka Roha Date: 19th January 2024 (Friday) Departure from College: 6 AM Reached Pali Temple at around 10 AM After darshan and aarti, we headed towards the industry. Reached Supreme Petrochem Ltd. at 11:30 AM. Industry visit was conducted in 2 slots, each slot consisting of 20-25 people. The first slot was given a brief presentation about the industry by the executives. While the other group went around to see various units (both on-shore and off-shore) of the industry. The lunch was sponsored by the industry itself. We departed from the

	 industry post lunch and headed towards Alibaug beach for a short leisure trip. We set off from Alibaug beach and headed towards college at 7.30 PM. Both the breakfast and dinner was provided to all the participants by Team ChESA in the bus itself. Arrival Time: 12 Midnight Mode of Transport: Bus
Key event outcomes	 The visit served as a bridge between classroom knowledge and practical implementation. It provided a tangible connection to the concepts learned in our coursework, allowing us to appreciate the relevance and importance of our academic pursuits. By interacting with professionals and observing operations on-site, we gained valuable perspectives on the challenges and intricacies of the industry.
Milestones set by the event (if any)	N.A.
Name and bio of chief guest along with social media links (if any)	N.A.



Name of the event:	Second Year Industry Visit
Dates of event:	16th February 2024
Online Platform/ Venue:	Offline
Event span (hours/days)	11 hours
Footfall/Total attendance	43
Name and contact of the key organiser(s)	Palash Kaduskar - 9604932655 Vedvati Kelkar - 7066559404 Manas Kulkarni - 9000215222
No. of people involved in the organising committee (all levels of hierarchy included, Core team to Volunteers)	9
Objective of the event	The primary aim of organizing an industrial visit for second-year students is to bridge the gap between theoretical learning and practical application in real-world industries. This visit intends to enhance students' understanding of industry practices, safety regulations, and the practical application of theoretical concepts to solve real-world challenges. Moreover, it provides students with an opportunity to interact with industry professionals, facilitating networking and offering insight into potential career paths.
Brief description of the said event	 Name of Industry: Shiv Shakti Oxalate Pvt Ltd. Location: Kurkumbh MIDC, Taluka Daund, Pune, Maharashtra Date: 16th Feb 2024 (Friday) Mode of Transportation: Bus Reporting Time: 7.00 a.m. Departure from college: 7.30 a.m. Breakfast was provided to all participants by team ChESA in the bus itself. Reached industry by 10 a.m. and the visit continued till 12 p.m. Had lunch at a nearby restaurant. Later at around 2 p.m., headed to a bird sanctuary for leisure activities. The return journey commenced at 3.30 p.m. concluding the enriching industry visit experience. Reached college by 6 p.m.

Key event outcomes	 Witnessed fractional distillation and biomass fuel usage. Learned about safety measures like ash filtration and oil expansion tanks. Experienced various equipment and valve types. Noted the presence of an Effluent Treatment Plant (ETP) for zero liquid discharge and water reuse. Importance of stainless steel for durability and corrosion resistance. Learned about reflux rectification and leakage checking procedures.
Milestones set by the event (if any)	N.A.
Name and bio of chief guest along with social media links (if any)	N.A.



Name of the event:	Chem-O-Philia
Dates of event:	12th March 2024
Online Platform/ Venue:	Offline - Room. 1020
Event span (hours/days)	1 hour
Footfall/Total attendance	50
Name and contact of the key organiser(s)	Palash Kaduskar - 9604932655 Vedvati Kelkar - 7066559404 Manas Kulkarni - 9000215222
No. of people involved in the organising committee (all levels of hierarchy included, Core team to Volunteers)	10
Objective of the event	The objective of the competition is to test the participant's knowledge and understanding of various aspects of chemical engineering.
Brief description of the said event	The event was a zonal round of a National Level Quiz Competition organised by AZeotropy, IIT Bombay held in VIT Pune. It was a 1 hour offline quiz and was held in Room. 1020 from 11 AM to 12 Noon. All the participants attended the quiz from the organisers quiz portal from their own laptops and mobiles. The result of this competition was declared by the organisers later that evening. Winners of this zonal round held at VIT Pune represented our college for the Final round at IIT Bombay.
Key event outcomes	 An offline quiz experience to the students which will help them prepare for placement offline exams. Winners of this zonal round represented our college at the finals of this quiz competition at IIT Bombay.
Milestones set by the event (if any)	N.A.
Name and bio of chief guest along with social media links (if any)	N.A.

Add any kind of additional information or a ready report if you wish to which can be used by team Vaatchal (Optional):



Name of the event:	Hydraulic Calculations Workshop and Placement Guidance Session
Dates of event:	4th April 2024
Online Platform/ Venue:	Offline - Room No. 4005
Event span (hours/days)	2 hours
Footfall/Total attendance	38
Name and contact of the key organiser(s)	Palash Kaduskar - 9604932655 Vedvati Kelkar - 7066559404 Manas Kulkarni - 9000215222
No. of people involved in the organising committee (all levels of hierarchy included, Core team to Volunteers)	3
Objective of the event	The objective of the event was to make the students aware about the basics of Hydraulic Calculations (an important topic in the process design industry) & accelerate their Placement Preparation through expert guidance.
Brief description of the said event	The event was a 2 hour offline workshop cum placement guidance session conducted by our alumni Mr. Akshay Burhan. The session was conducted on 4th April 2024, from 3 PM to 5 PM.
	 The first half of the session primarily focussed on an interactive teaching learning on the topic- Hydraulic Calculations. This is one of the key topics that is beneficial during the placement interviews and job roles. The second half of the session was an interactive discussion on placement guidance and interview preparations.
Key event outcomes	 The interactive workshop ensured that the participants cleared their each and every doubt during the session itself. The workshop tried to introduce the attendees to a few important concepts of hydraulic calculation which will be beneficial for their placement interviews and company job roles. Participants also got placement guidance, preparation strategy and

	overall industrial insights from the guest speaker.
Milestones set by the event (if any)	N.A.
Name and bio of chief guest along with social media links (if any)	 Mr. Akshay Burhan B.Tech Chemical Engineering 2023 passout of Vishwakarma Institute of Technology. 2.5 Years experience in Process Engineering Field. Currently working as a Process Engineer at Plug Power. LinkedIn: https://www.linkedin.com/in/akshaybhuran/

