



K.K. Wagh Polytechnic, Nashik

# Department of Chemical Engineering

Chem  
Sphere



Published By CHESA for 2022-23



2022-23



# **NEWSLETTER**

DEPARTMENT OF  
CHEMICAL ENGINEERING



## **VISION**

To Develop Department as Nationally Acclaimed Center for Diploma in Chemical Engineering.

## **MISSION**

Committed to groom students into Quality Chemical Engineers by imparting Technical Knowledge, with emphasis on Value Based Education, developing Enterprising Skills, Safe and Eco-friendly Outlook thereby contribute in development of Industry, Society and Nation

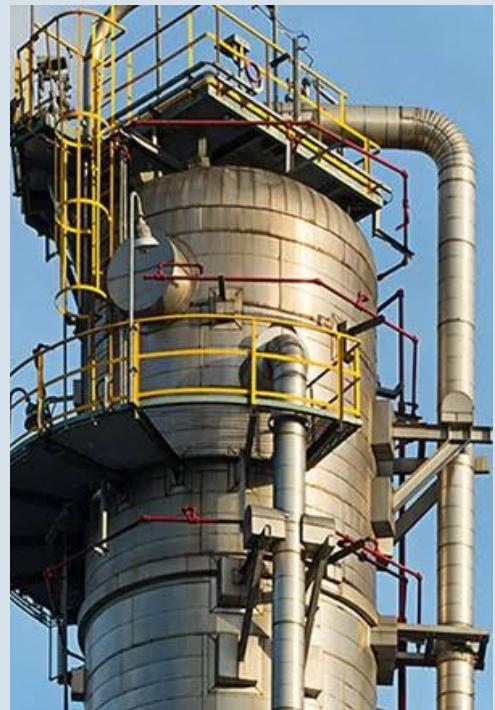


## **PROGRAM OBJECTIVES**

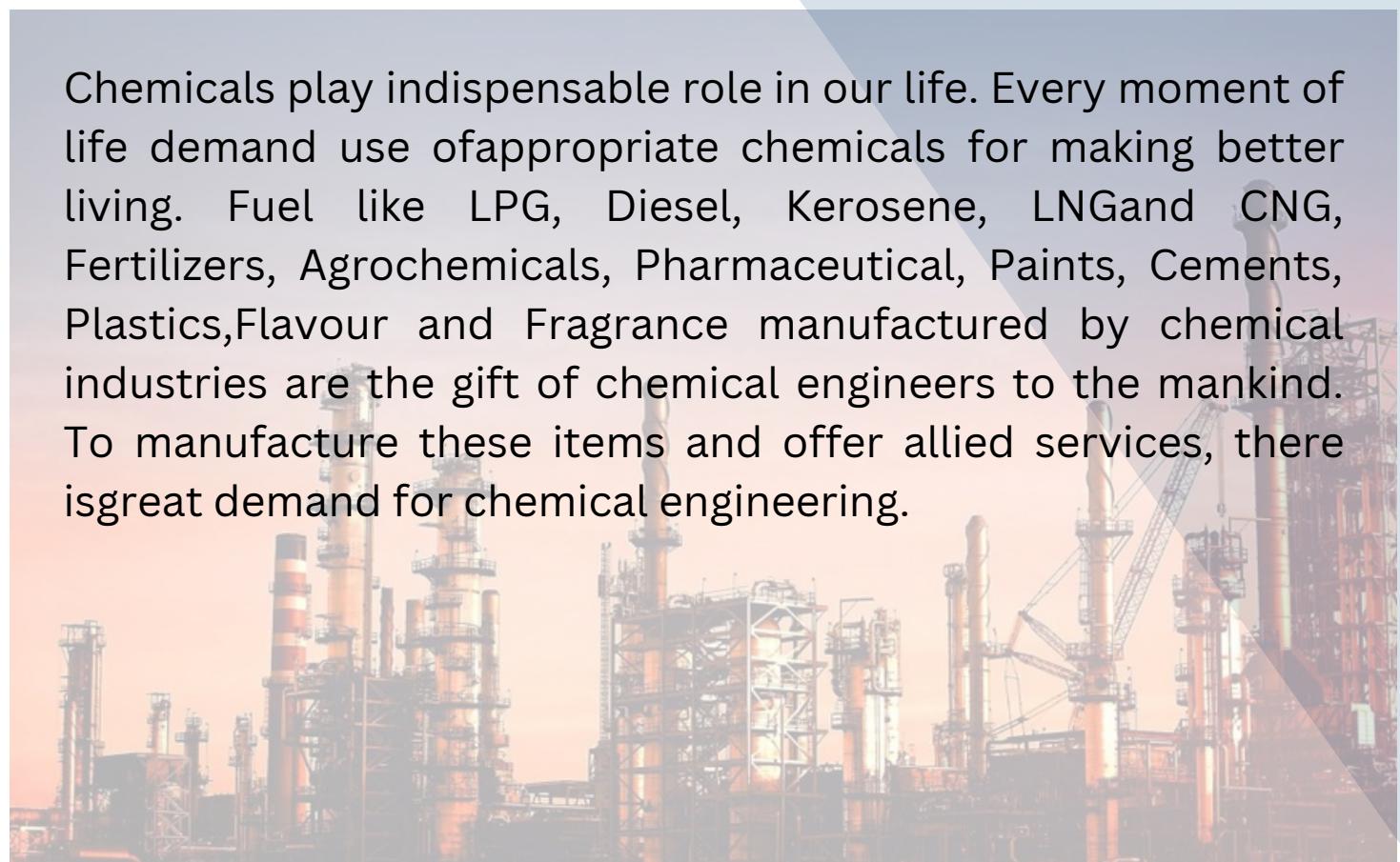
- PO1: Basic and Discipline Specific knowledge
- PO2: Problem Analysis
- PO3: Design/Development of Solutions
- PO4: Engineering Tools, Experimentation and Result
- PO5: Engineering Practices For Society, Sustainability and Environment
- PO6: Project Management
- PO7: Lifelong Learning

# What is Chemical Engineering ?

Chemical engineering occupies a unique position at the interface between molecular sciences and engineering. Intimately linked with the fundamental subjects of chemistry, biology, mathematics, and physics — and in close collaboration with fellow engineering disciplines like materials science, computer science, and mechanical, electrical, and civil engineering — chemical engineering offers unparalleled opportunities to do great things.



Chemicals play indispensable role in our life. Every moment of life demand use of appropriate chemicals for making better living. Fuel like LPG, Diesel, Kerosene, LNG and CNG, Fertilizers, Agrochemicals, Pharmaceutical, Paints, Cements, Plastics, Flavour and Fragrance manufactured by chemical industries are the gift of chemical engineers to the mankind. To manufacture these items and offer allied services, there is great demand for chemical engineering.



# About department

The institutions offering this course are very less. Out of all engineering seats at national level; less than 0.5 % of seats are for Chemical Engineering Course. Understanding the scarcity and demand; the course was started in 1998. We believe in overall development of students and it is our philosophy that every student is like diamond, therefore all efforts are directed for polishing them so that their worth will increase and they will glitter everywhere they go. A department has to its credit many success stories where complete transformation of an ordinary student to successful professional has taken place. Our efforts are very well recognized at State and National level. Chemical department has received so far a grant of around 15 lacs for arranging events, updating facility and networking with industry. India's first revolution has been green revolution i.e. in agricultural; at present also India is set for another green revolution which aims for green manufacturing.



Sr.no.	Name of lab	Total investment (Rs.)
1	Lab 1( computer lab)	1546243
2	Lab 2( Mass and Heat transfer)	972092
3	Lab 3(Environment Engg)	2071405
4	Lab 4( Chemical Technology I)	479327
5	Lab 5 (Mechanical and Fluid Operation)	556472
6	Lab 6 ( Process instrumentation and control)	598384

## Lab 1: Computer lab

This lab consists of a bunch of computers where all the technical work can be carried out and first year students get to learn about technical skills such as Microsoft word, power point presentation and etc . which is taught in the subject ICT in first semester .



## Lab-2 : Mass & Heat Transfer

This lab consists of several equipment's of heat and mass transfer which are used to conduct practicals and understand the mass and heat transfer operations.

## Lab-3 : Environment Engineering lab

This lab is used to do research and study about environmental safety such as water treatment processes ,improve air quality, solid waste management and several more.



## Lab-4 : Chemical Technology lab

This lab consists of various types of chemicals And chemical handling equipment's which are used to conduct practicals and teaches us the about the behavior of various chemicals with safety



## Lab-5 :Mechanical & Fluid Operation lab



This lab consist of several mechanical and fluid flow equipment's such as jaw crusher, ball mill ,plate and frame filter press , venture meter , orifice meter, rotameter, u- tube manometer and etc. which are used to perform practicals and understand the working and mechanism of above mentioned equipment's .

## Lab-6 : Process Instrumentation & Control lab

This lab is used to study about various electrical equipment's and their functioning which are used in chemical plants.



# The Scope of Chemical Engineering

The scope of chemical engineering is broad and varied, covering many industries such as pharmaceuticals, energy, materials, food, and biotechnology. Chemical engineers are involved in designing and developing processes that convert raw materials into useful products, optimizing industrial operations, and implementing new technologies that improve efficiency and sustainability. They may work on projects such as designing and constructing chemical plants, researching new materials, developing new chemical products, and identifying ways to reduce waste and improve environmental performance. Some of the key areas of focus for chemical engineers include process design and optimization, process control, safety and environmental management, and materials and product development. With their diverse set of skills and expertise, chemical engineers are in demand across a wide range of industries and can pursue careers in research and development, manufacturing, consulting, and academia.

Chemical engineering has a vast scope in India due to the country's rapidly growing economy and industrialization. Some of the areas where chemical engineering finds its application in India include:

**1. PETROLEUM AND PETROCHEMICALS.**

**2. PHARMACEUTICALS.**

**3. ENERGY AND POWER.**

**4. FOOD PROCESSING.**

**5. ENVIRONMENTAL ENGINEERING.**

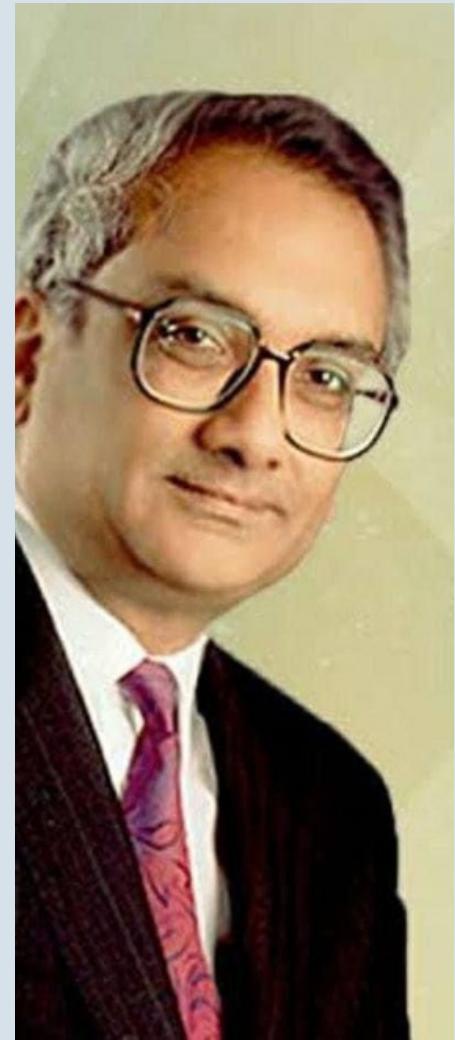
# Famous chemical Engineers in the World

Raghunath Anant Mashelkar - also known as Ramesh Mashelkar, (born 1 January 1943) is an Indian Chemical Engineer, born in a village Mashel in Goa and brought up in Maharashtra. He is a former Director General of the Council of Scientific and Industrial Research (CSIR). He was also the President of Indian National Science Academy (2004-2006), President of Institution of Chemical Engineers (2007) as also the President of Global Research Alliance (2007-2018). He was also first Chairperson of Academy of Scientific and Innovative Research (AcSIR). He is a Fellow of the Royal Society, Fellow of the Royal Academy of Engineering (FREng), Foreign associate of US National Academy of Engineering and the US National Academy of Sciences.



Mr. Mukesh D. Ambani - is a Chemical Engineer from the Institute of Chemical Technology, Mumbai (erstwhile the University Department of Chemical Technology, University of Mumbai). He pursued an MBA from Stanford University in the US. He has been on the Board of Reliance since 1977. He initiated Reliance's backward integration journey – from textiles to polyester fibres and further onto petrochemicals and petroleum refining, and going upstream into oil and gas exploration and production. He created multiple new world-class manufacturing facilities involving diverse technologies that have raised Reliance's petrochemicals manufacturing capacities from less than a million tonnes to about 21 million per year.

**Aditya Birla-** Aditya Birla, the late Indian industrialist and businessman, held an undergraduate degree in chemical engineering from the Massachusetts Institute of Technology (MIT). This educational background provided him with the skills and knowledge to lead the chemical businesses of his family's conglomerate, the Aditya Birla Group. As a chemical engineer, Aditya Birla was involved in the development and implementation of the group's chemical manufacturing processes. He also played a key role in the expansion of the group's chemical businesses, which produced a wide range of products such as carbon black, viscose staple fiber, and chemicals for use in the textiles, agrochemicals, and pharmaceutical industries.



**Carl Bosch** (27 August 1874 – 26 April 1940) was a German chemist and engineer and Nobel Laureate in Chemistry. He was a pioneer in the field of high-pressure industrial chemistry and founder of IG Farben, at one point the world's largest chemical company. After World War I Bosch extended high-pressure techniques to the production of synthetic fuel via the Bergius process and methanol. In 1925 Bosch helped found IG Farben, and was the first head of the company. From 1935, Bosch was chairman of the board of directors. He received the Siemens-Ring in 1924 for his contributions to applied research and his support of basic research. In 1931 he was awarded the Nobel Prize in Chemistry together with Friedrich Bergius for the introduction of high pressure chemistry.



## K.K. Wagh Polytechnic, Nashik

### Chemical Engineering Department

#### Staff Information

Sr. No.	Name of Staff	Designation	Qualification	Mobile No.	Email Id	Photo
1.	Dr. P.S Bhandari	HOD	Ph.D.	9970031004	psbhandari@kkwagh.edu.in	
2.	Dr. S.S Rikame	Lecturer	Ph. D	8600626264	ssrikame@kkwagh.edu.in	
3.	Mr. P.M. Pathak	Lecturer	M.E (Chem)	9960593455	pmpathak@kkwagh.edu.in	
4.	Mr. M.N Shete	Lecturer	B.E (Chem.) Advanced Diploma In Industrial Safety	8087508165	mnshete@kkwagh.edu.in	
5.	Mrs. Y.S. Kumawat	Lecturer	M. Tech (Chem)	8888857832	yskumawat@kkwagh.edu.in	
6.	Mrs. J.H. Nihalani	Lecturer	B.E (Chem)	9822994044	jnihalani@kkwagh.edu.in	
7.	Mr. D.S. Malode	Tech. Assistant	Diploma in Chemical Engg.	9011133874	dsmalode@kkwagh.edu.in	
8.	Mr. S.B. Jadhav	Tech. Assistant	Diploma in Computer Technology	7350561717	sbjadhav@kkwagh.edu.in	
9	Mr. R.A Kakkad	Ministerial staff	B.A	7798027142	Kakadrahul714@gmail.com	





# CHESA

## Chemical Engineering Student's Association Working Committee 2022-23



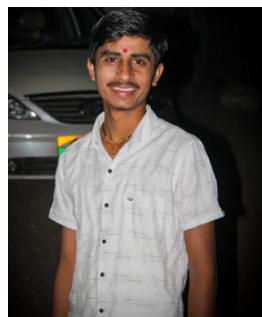
**Chairman:-Dr. P. S. Bhandari (HOD)**



**Co-ordinator:-Mr. M. N. Shete**



**President:- Vaishnavi Ghuge (TYCH)**



**Vise-President:- Om Nagare (SYCH)**





## Chemical Department(Academic Year 2022-23)

### CHEMICAL ENGINEERING STUDENT ASSOCIATION ( CHESA)

**Chairman:** - Dr. P. S. Bhandari (H.O.D)

**CHESA Co-ordinator:** - Mr. M. N. Shete

**CHESA President:** - Vaishnavi Ghuge

**CHESA Vice President:** - Om Nagare

**CHESA SECRETARY:** - Uday Chavan

**Cultural Committee:-**

1. Vishal Pathade (TYCH)
2. Rushikesh Deshmukh (TYCH)
3. Yash Khairnar (SYCH)
4. PradnyaUnhale (SYCH)
5. Sejal kale (FYCH)

**Sports Committee:-**

1. Kiran Dhomse (TYCH)
2. Mayur Malode (TYCH)
3. Soham Shardul (TYCH)
4. Harshali Dhongade (SYCH)
5. Soham Saskar (FYCH)
6. Gayatri Rikame (FYCH)

**Decoration Committee:-**

1. Jagruti Rathod (TYCH)
2. Pruthvirajchavhan (SYCH)
3. KandambariDhaktode (SYCH)
4. Pushpraj Wagh (SYCH)
5. Poonam Bhandarkar (FYCH)
6. MehekWaghale (FYCH)

**Treasurer Committee:-**

1. Samrudhi Jadhav (TYCH)
2. Faiz Shaikh. (SYCH)
3. Omkar Wagh. (FYCH)

**Anchoring Committee:-**

1. Samarth Kalamkar (TYCH)
2. Asheesh Shinde (SYCH)
3. Ayan Raje (FYCH)
4. Priyanka Mali (FYCH)

**Discipline Committee:-**

1. Kartik Gunjal (TYCH)
2. Tanmay Pagar (SYCH)
3. Bhavesh Khaire. (SYCH)
4. Bhavesh Kadam (FYCH)
5. Prapti Bhor (FYCH)

**Photography Committee:-**

1. Pushpak Wagh (TYCH)
2. Tanmay Hire. (SYCH)
3. Rupesh Jadhav (FYCH)

**Refreshment Committee:-**

1. Harshal Deore (TYCH)
2. Adinath Kokate. (TYCH)
3. Mayur Deore. (TYCH)

**Publicity Committee:-**

1. PandhurangWagh( TYCH)
2. Aman Aute (SYCH)

**Notice Board Arrangement**

1. Jagruti Rathod (TYCH)
2. Nikita Pawar. (SYCH)
3. Snehal Yeole (SYCH)

**Hostel Representative**

1. Shubham Khajure. (TYCH)
2. Bhavishya Dhapate. (TYCH)
3. Bhavesh Sawale. (SYCH)

**Girl Representative**

1. Prerna Gurav. (TYCH)
2. SharayuWaghchaure. ( SYCH)

**Expert Members**

1. Samarth Kalamkar (TYCH)
2. MohammedAliDahoodwala (SYCH)
3. Soham Dhangar (FYCH)





# Toppers

## WINTER 2022

	First Year		Second year		Third Year	
Rank	Full name of Student	%	Full name of Student	%	Full name of Student	%
1st	DHANGAR SOHAM MANOJ	89.86	MOHAMMED ALI ASIF DAHOODWALA	91.60	KALAMKAR SAMARTH PRAVIN	89.4
2nd	SONAWANE TEJASWINI KIRAN	85.57	WAKCHAURE SHARAYU VILAS	89.60	PRERNA RAVSAHEB GURAV	87.4
3rd	BHOR PRAPTI ASHOK	84.71	KHAIRNAR YASH DILIP	88.00	JADHAV SAMRUDDHI SACHIN	85.4



# Industrial visits..



## 1) Sewage Treatment Plant

After completion of the visit the students have got the idea about; Primary treatment, secondary treatment, municipal water treatment, sludge treatment etc



**Students visited “Sewage Treatment Plant”, Nashik dated on 12th December 2022**

## 2) Traffic Educational Park



04/11/2022 12:36

**SYCH students visited “ Traffic Educational Park, Nashik” dated on 4th November 2022**

After completion of the visit the students have got the idea about; Road Safety Rules and Safety Practices should be followed strictly. Students were guided about the traffic rules and they also updated with new fine amounts introduced by government after breaking the traffic rules.



### 3)Agri Search:



**SYCH, TYCH students visited “Agri Research(India) Pvt Ltd, Dindori, Nashik ” dated on 15th November 2022**

After completion of the visit the students have got the idea about; Different types of sections such as Equipments like spray tower, Plate and Frame Press Filter, Reactor, Agitation Vessel,etc  
Students also studied the process flow diagram, working of plant.  
Students visited Analytical Lab, Packaging Unit,etc.

### 4)Suzolon Global Services

After completion of the visit the students have got the idea about;  
Wind Turbine  
Different types of sections such as site selection, installation working and production of electricity through wind mill which is one of Renewable Energy Technology.



**TYCH students visited “Suzlon Global Services Limited, Sinnar, Nashik” dated on 24th September 2022**

# Guest Lectures.

K. K. Wagh Education Society's  
**K. K. Wagh Polytechnic, Nashik**  
 Department of Chemical Engineering  
 Accredited by NBA, affiliated to M S B T E, Mumbai  
 Approved by AICTE, New Delhi



**Resource Person**



**Online Guest Lecture on**

**Importance of Management practices in Industry**

**DEVASHRI M KALE**  
 HR Executive,  
 Nashik

01<sup>st</sup> December 2022 Time :- 01:00 pm - 03:00 pm



**Guest lecture on “ Importance of Management practices in Industry” by  
 Mrs. Devashree Kale ,HR Executive, Nashik  
 on 01/12/2022**



**Expert lecture on 'Laboratory safety' by Mr. Hemant Wad, EHS Consultant,  
 Nashik on 07/11/2022**



**Guest lecture on “Industry 4.0” by Mr. Hemant Suryawanshi, Senior Consultant, Cohesive Group, Perth, Australia on 01st December 2022**



**Guest lecture on “Basics of Water and Wastewater treatment” by Mr. Sachin Talreja, Director, Ecometrix Solutions, Pune Alumni of Batch 2004 on dated 14th February 2023**



**Guest lecture on “Synergy between Chemistry and Chemical Engineering & Job Role of Chemical Engineer in Process Industry” by Dr. Santosh Shinde, Production Head, Catapharma, Sinnar, Nashik on 30th September 2022**



**Guest lecture on “Counselling and Guidance for Skill and Good Mental Health” by Dr. Pratibha Chandak, Institute Counselor, Nashik on 23rd September 2022**



**Guest lecture on “Role of Chemical Engineers in IT Sector”  
by Miss. Ritika Kulkarni, Developer at Cognizant Technology  
Solutions Pvt. Ltd., Hyderabad on 17/09/2022**

 K. K. Wagh Education Society's  
**K. K. Wagh Polytechnic, Nashik**  
Department of Chemical Engineering  
Accredited by NBA, affiliated to MSBTE, Mumbai  
Approved by AICTE, New Delhi



**Resource Person**

  
Mr S.D. Parkhi  
Founder & Chief Consultant,  
Trainer & Auditor  
Shree Consultant, Nashik

**Online Guest Lecture on**

**ISO 45000**

**02<sup>nd</sup> December 2022 Time :- 02:00 pm - 04:00 pm**



**Guest lecture on “ ISO 45000” by Mr. S. D. Parkhi, Founder & Chief Consultant, Trainer & Auditor, Shree Consultant, Nashik on 02/12/2022**



**On the Occasion of Women's Day (8th March 2023), K. K. Wagh Polytechnic, Nashik, in association with Indian Society of Training and Development and Megafine Pharma Pvt. Ltd., Nashik organized Guest Lecture on “Lead like a Women- # Embrace Equity”, for all Ladies Teaching Staff, Non- Teaching Staff and Girl students of each department**

# Campus Placement

## 2022-23



K. K. Wagh Education Society's  
K. K. Wagh Polytechnic, Nashik.

Department Of Training & Placement Cell  
Campus Placement Drive 2022-23



Kokate Adinath

Student of Chemical Engineering  
Department BATCH 2022-23 being placed in  
Campus placement of Drive of Toyo  
Engineering India private Limited.

Package Offered:- **3.2 Lac per annum**



K. K. Wagh Education Society's  
K. K. Wagh Polytechnic, Nashik.

Department Of Training & Placement



Campus Placement Drive 2022-23



Vishal Pathade



Mayur Deore



Sahil Sonawane

Student of Chemical Engineering  
Department BATCH 2022-23 being placed in Campus placement of Drive of  
Delta Finochem Pvt. Ltd, Nashik.

Package Offered:- **1.8 Lac per annum**



K. K. Wagh Education Society's  
K. K. Wagh Polytechnic, Nashik.

Department Of Training & Placement



Campus Placement Drive 2022-23



Harshal Deore



Mayur Malode



Om Borse

Student of Chemical Engineering Department  
BATCH 2022-23 being placed in Campus  
placement of Drive of Delta Finochem Pvt. Ltd,  
Nashik.

Package Offered:- **1.8 Lac per annum**





# Student Corner

Jayesh Pawar (SYCH)



Sketches,  
Paintings and  
Prize for Drama

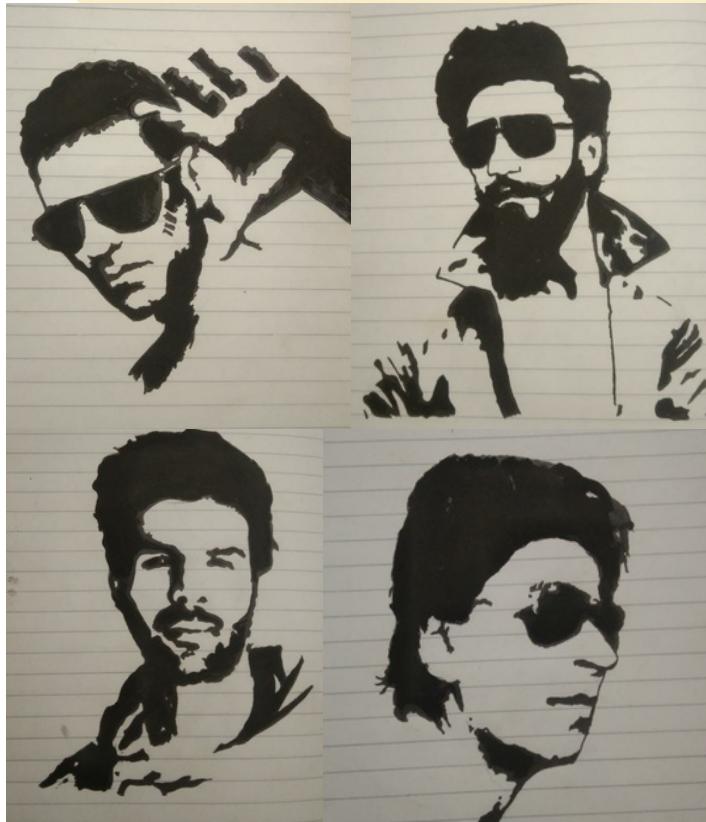
Aboli Mahajan (FYCH)

Sketches





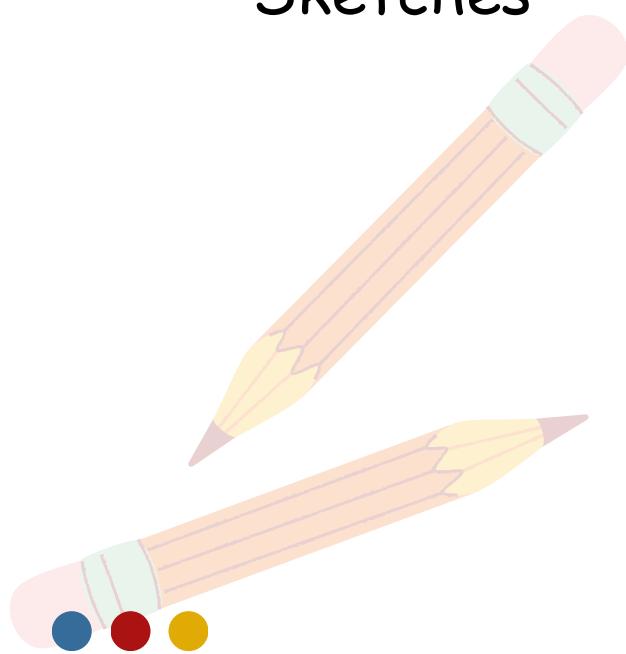
## Sanskriti Savle (FYCH)



## Sketches

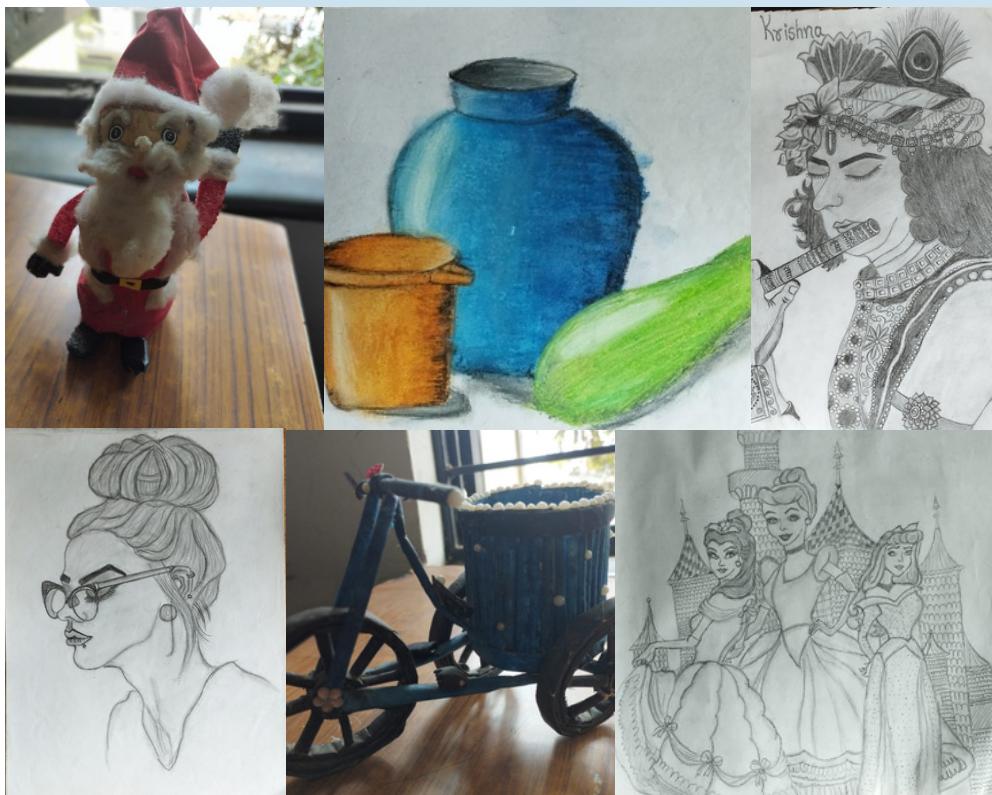
## Janhvi khade (FYCH)

## Sketches





## Pari Jadhav (FYCH)



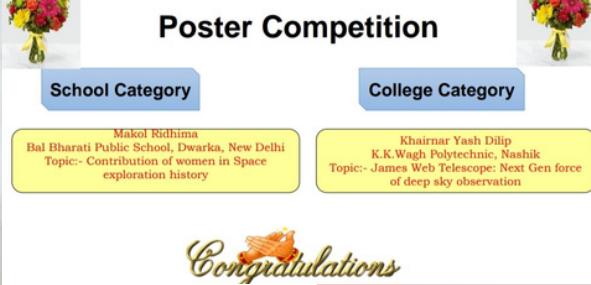
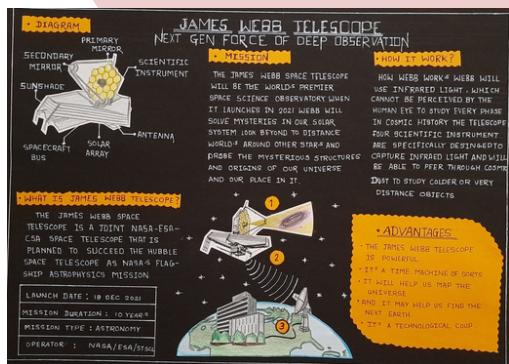
Sketches,  
Paintings,  
Crafts

## Aayush Atey (FYCH)

Prize for  
Drama

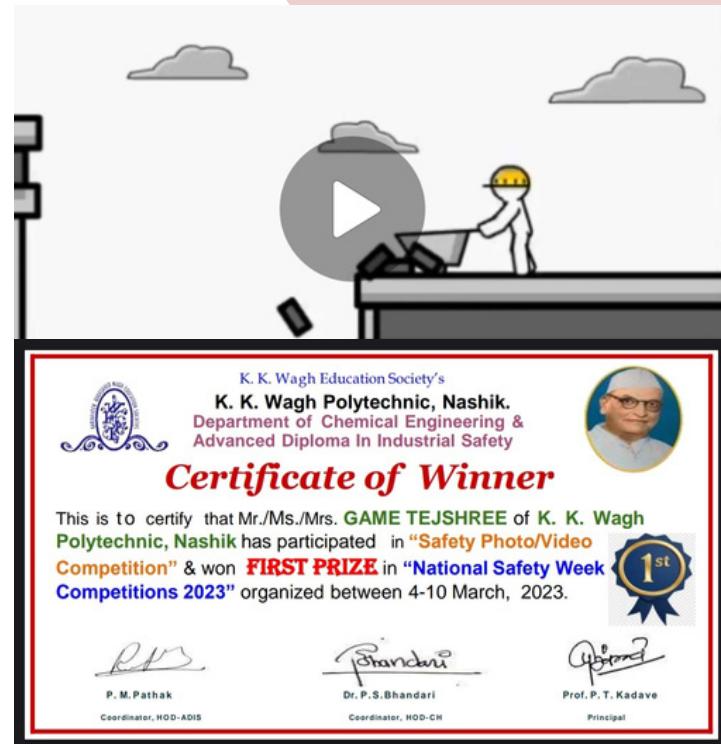


# Yash Khairnar (SYCH)



## Sketches, Paintings and Prize for Poster Competition

### Tejashri Game (TYCH)



## Prize for video making Competition

## Sanika Vaidya (TYCH)



## Prize for Poster Competition



## Om Nagare (SYCH)

Rising leadership of Niphad taluka Om Rajendra Nagre met state level Yuvabhushan Award 2023 by Marathi actress Alka Kubal Athalye at Ahmednagar.





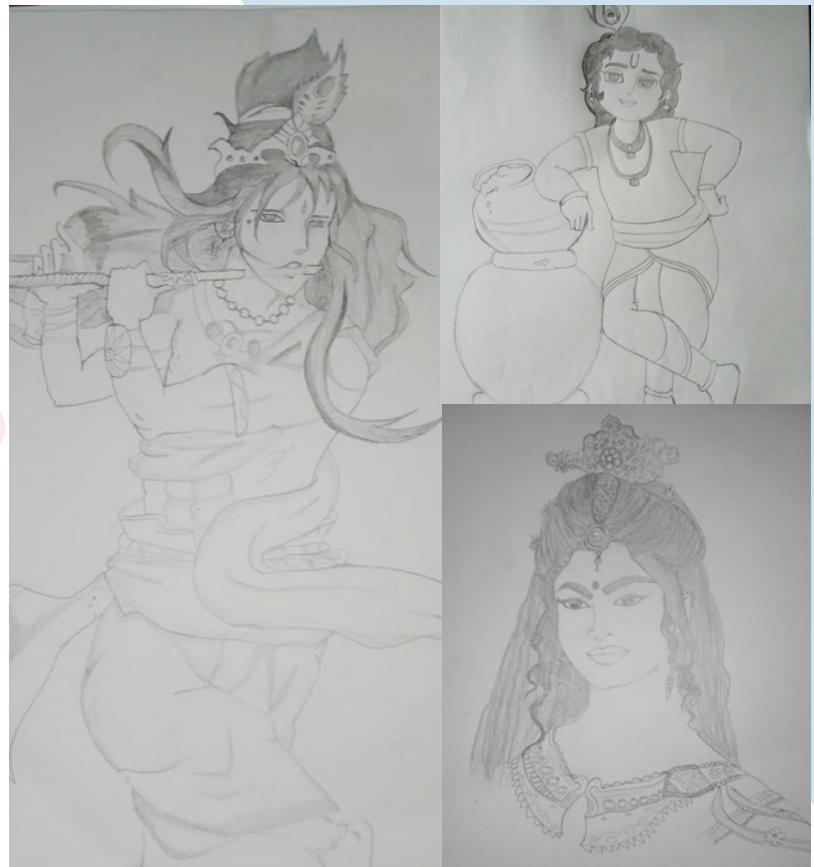
## Atharv Kulkarni (TYCH)



Prize for  
One act  
play

## Pushparaj Wagh (TYCH)

Sketches



## Jeet Ganeshkar (TYCH)

मैत्री च्या नात्याकडे बघितलं की चाहूल त्या मित्राची होते

शब्द माझे आहेत , पण कविता तुझ्यासाठी ||

सुख माझं असावं , आनंद तुला व्हावा  
दुःख माझं असावं , साथ तुझी असावी ☺  
हसणं माझं असावं , चेहरा तुझा फुलावा ☺  
रडणं माझं असावं , डोळे पुसणारे हात तुझे असावे  
थोडा हतबल झालो , आधार तुझा असावा ☺  
शेवट पर्यंत मला , सहवास तुझा असावा ☺  
चुक माझी असावी , माफी तु द्यावी  
भीती माझी असावी , धीर तु द्यावा  
मस्ती मी करावी , मार तुला मिळावा  
अभ्यास मी करावा , अन पास तु व्हावा ?  
गप्पा आपण मारायच्या , विषय तुझा असावा  
मार मी खावं , सोडवणारा तूच असावा ☺  
आजारी मी असावं , औषध देणारा तु असावा ☺  
मरण माझं असावं , खांदा तुझा असावा ☺  
आठवणी आपल्या असावा, सांगणारा तु असावा  
अशू तुझे असावे , पण ते माझ्यासाठी वाहावे ☺

- जीत गणेशकर

## Poetries & Essay

## Sharayu Wakchaure (SYCH)

माझी आई

"आई माझी मायेचा सागरं दिला तिने जिवना आकारं...."

देव देव देवता देवता म्हणतात तरी कुणाला दगडालाही पाझार फुटेल अशी असते आई बापाची माया. गोठ्यातलं वासरू पाहिल्यावर गाय जेवढी माया करते तशीच माझी आई ही माझ्यावर माया करते. कोणत्याही क्षेत्रात माझी आई कमी पडणार नाही, अशी ही माझी आई सामाजिक, राजकीय, धार्मिक आणि कौटुंबिक क्षेत्रातही माझी आई कमी पडणार नाही. कोणत्याही काहीही समस्या असल्यास ती यथा शक्ती सोडविण्याचा प्रयत्न करते म्हणूनच मी

म्हणते की " स्वामी तिन्ही जगाचा आई विना भिकारी. "

जिजाबाईंनी शिवरायांना शिकवण दिली की श्री रामचंद्रांनी दृष्ट रावणाला मारले आणि प्रजेला सुखी केले, श्रीकृष्णाने दृष्ट कंसाला ठार केले आणि प्रजेला सुखी केले, श्रीराम आणि श्रीकृष्ण यांच्या वंशात तुझा जन्म झाला आहे, अरे तु सुद्धा दृष्टांचा संहार करू शकशील तु सुद्धा गरीब लोकांना खूप सुखी करू शकशील. अशा प्रकारे शिवरायांना त्यांच्या आईने महापुरुषाचे उदाहरणे देवून त्यांच्या मनावर संस्कार केले. आईच्या या उपदेशाने शिवरायांना हुरूप येई. राम, कृष्ण, भीम, अर्जुन या विरांच्या गोष्टी त्यांना सांगत हे वीर

पुरुष शिवरायांच्या सतत ध्यानी, मनी आणि स्वप्नी दिसत . हे वीर अन्यायाविरुद्ध जसे लढले तसे आपण लढावे त्यांनी दृष्टांचा नाश केला तसा आपण करावा त्यांनी प्रजेला सुखी केले तसे आपण करावे आपण न्यायी व्हावे, धाडसी व्हावे, पराक्रमी व्हावे असे शिवरायांना सतत वाटू लागले, आणी खरोखरच आईच्या प्रेरणेमुळे शिवरायांनी हिंदवी स्वराज्य स्थापन केले. पुष्कळ वेळा मनुष्याचा मोठेपणा हा त्याच्या आईबाबांवर अवलंबून असतो त्यातही आईवर जास्तीतजास्त असतो. आईच्या पोटात मुळीच जीव राहतो ! आईशी एकरूप होऊनच जीव बाहेर पडतो जणू तिचाच होवून बाहेर पडतो. बाहेर आल्यावरही आईच्याच सानिध्यात राहतो. आईजवळ रडतो, खातो, पितो, आई जवळच खेळतो, झोपतो आणि झोपी जातो.

आई देही देते मनही देते जन्मास घालणारी तीच व ज्ञान देणारी ही तीच.

लहानपणी मुलावर जे परिणाम होतात ते दृढतम असतात. साने गुरुजी म्हणतात "आई माझा गुरु आई माझा कल्पतरू तिने काय काय तरी दिले तिने मला काय नाही दिले, ती माझी शिक्षणदात्री तिने मला प्रेमळपणे बघावयास, प्रेमळपणे बोलण्यास तिनेच मला शिकविले मनुष्यावरच नव्हे तर गाई गुरांवर, फुलपाखरांवर, झाडावर प्रेम करावयास तिनेच मला शिकविले. अत्यंत कष्ट होत असतानाही तोंडातून 'ब्र' शब्द न काढता शक्यतो आपले काम उत्कृष्टपणे करीत राहणे हे हि तिनेच मला शिकवले. कोंड्याचा मांडा करून कसा खावा व दारिद्र्यातही सत्व न गमावता कसे रहावे हे ही तिनेच मला शिकविले. माझ्या आईनेच माझ्या जिवनात अत्तर ओतले. म्हनूणच मी माझ्या मनात म्हणत असते.

"महनतरंगी करूनी नीवास, सुवास येई ममजिवनास, तिच वास देणारी, तिच रंग देणारी, मी खरोखर कुणी नाहीं सारं तिच्या त्या थोर माऊलीचे, सारं माझी आई... माझी आई.... माझी आई....

जय हिंद!

..... शरयु वाकचौरे.

# Cultural Events





# Group Dance and One act play



**(SYCH)**



Add a subheading

**(TYCH)**



**(TYCH)**



# Achievements of department

Funding received (Received grants more than 13.74 lakh) from:

- AICTE, New Delhi for establishment of Industry Institute Partnership Cell
- AICTE under MODROBS scheme for modernization of laboratory.
- EDII, Ahmedabad under DST-NIMAT scheme for organizing Entrepreneurship Awareness
- Camp.

## Faculty Achievements

1. Dr.Pravin Bhandari completed PhD from ICT Mumbai. He has published 5 papers in peer reviewed journals.
2. Dr.Pravin Bhandari is recognized reviewer for two Elsevier journals Chemical engineering Processing : Process Intensification and South African Journal of Chemical Engineering. Completed review 9 times for international papers.
3. Team mentored by Dr.Pravin Bhandari and Prof.Mrs.Yojana Kumawat received first prize of 1 Lakh in Smart India Hackathon organized by the Ministry of Education's Innovation Council at Reva University, Bengaluru.
4. Dr. Satish Rikame has completed PhD from SVNIT, Surat with Five publications. He has published a book chapter in ELSEVIER publication. He has 3 patents on his name.
5. YouTube videos developed by Prof.Mahendra Shte related to testing of Chemical Purity are very much appreciated by peoples and reached widely.
6. Every faculty has launched courses on Udemy platform and started a YouTube Channel.
7. Prof. Pravin Pathak has published 21 paid Udemy courses.
8. Prof. Pravin Pathak published a book on “Industrial Safety Management”.
9. Prof. Mahendra Shete, Prof. Yojana Kumawat, Prof. Pravin Pathak, Dr.Satish Rikame, Dr.Pravin Bhandari have developed eContent and question bank for Chemical Engineering courses offered by MSBTE.
10. Dr.Satish Rikame and Prof.Mahendra Shete have contributed as an editor for a Marathi book on Environmental studies published by Maharashtra State Board of Technical Education, Mumbai.

# Alumni

1. Alumni working in renowned organizations in USA, Qatar, Oman, Bahrain, Australia, Dubai, Netherland, UK, etc and pursuing higher education in foreign countries.
2. Alumni are enjoying successful post diploma careers. Some are owners of industry/business and remaining are enjoying successful professional careers in industry.
3. Our alumni Imran Pathan received ONGC's Best employee award
4. Alumni Umesh Chavan during his tenure in Bharat Oman refinery felicitated by the Minister for Petroleum and Natural resources (GoI) for important contribution to safety.





It is immense pleasure to write message for first publication of Departmental Newsletter Chesa 0078 Updates (CHEMOSPHERE). In the era of information and communication technology, where every minute is bringing in new ideas and issues. The journey of chemical engineering started in the year 1998. Around 500 students passed out. We could connect with many but not with all so continuously there was a thought; can we keep our all alumni and stakeholders in the arena of Chesa 0078 Updates (CHEM-SPARX). This made me to explore the possibility by the faculty of our department Mrs. J.H. Nihalani. I shared idea with her and some student's.

Chesa 0078 Updates (CHEMOSPHERE) is a platform to provide information about different affairs in chemical engineering and industry sector in addition to this the events and updates in the department, achievements, and student's articles will also be part of CHEMOSPHERE. We also plan to publish interview of alumni or an entrepreneur taken by our students and profile of one reputed industry.

I hereby congratulate all members on the occasion of first issue. I also appeal our alumni to share some updates, achievements and development for publication in newsletter.

Best wishes

Dr. P.S. Bhandari  
(H.O.D)  
Chemical Dept.



Dear Aspirant students,

It's my heartfelt pleasure to invite you in our family which always dedicated to achieve for humanitarian goals and morality through developments in technical field from last 28 years.

In an era of stiff competition, success can only be achieved if one makes the right kind of endeavor at the right time and in the right direction. "Success will never lower its standard to accommodate us. We have to raise our standard to achieve it.

Your aspiration and craving for knowledge is completely quenched by our assets- Hon. Board of Directors, Faculty and all the staff members by the time you step in. We not only believe in teaching but inspiring young, dynamic and magnetic minds for nation building as they are carved out finely. Therefore, we have an excellent combination of industry professionals and academicians on our faculty, who provide a holistic view of the nuances of engineering operations and life skills to our students.

I wish all the success to you.

Prof. P.T. Kadave  
Principal  
K. K. Wagh Polytechnic, Nashik.



## **EDITORIAL TEAM**

**Editor:- Dr. P.S. Bhandari**

**Staff Coordinator:- Mrs. J.H.Nihalani**

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**Pradnya Unhale (SYCH)**

**Tanmay Pagar (SYCH)**

**Asheesh Shinde ( SYCH)**

