



# CHEMICAL ENGINEERING DEPARTMENT

(NBA ACCREDITED)

GOVERNMENT POLYTECHNIC VALSAD

## FUSION BEAT NEWSLETTER

JAN-JUNE  
2023



### What's in This

1. Moment of Pride
2. Desk of Head
3. Student Corner
4. Faculty Corner
5. Placement Cell

# Moment of Pride

**CHEMICAL ENGINEERING**

**ACCREDITED BY** **NBA**

**NBA**



**Diploma-Chemical Engineering  
Program is accredited for  
Academic Year 2022-23 to 2024-25**



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# • DESK OF THE HEAD



**Dear Readers,**

Welcome to the Department of Chemical Engineering at Government Polytechnic Valsad. We started our journey in the year of 1970. The primary focus of our curriculum is to impart technical knowledge to students, promote their problem solving skills and innovation of new technologies.

The course contents are periodically updated for introducing new scientific and technological developments. Various activities such as expert lectures, industrial visits are carried out for technical skill development of students. Along with technical development we also focus on developing a responsible citizen by promoting awareness of safety, environmental and social issues in students.

Chemical Engineering is NBA Accredited for academic year 2022-2023 to 2024-2025 i.e. up to 30-06-2025

**Dr. A.C. Dhaneshwar**  
(Ph.D. in Chemical Engg.)  
**Head of Department**

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# • STUDENT CORNER

## EXPERT LECTURE



Chemical Engineering Department has organized technical expert speech for 6<sup>th</sup> Semester (3rd Year) students on topic of **“Various Reactors and Their Application”** by Dr. Rohit Sunil Khedkar, Associate Professor, School of Engineering (Chemical Engineering), P P Savani University, Dhamdod, Kosamba, Surat on 10<sup>th</sup> February, 2023.

Chemical Engineering Department has organized expert speech for 6<sup>th</sup> Semester (3rd Year) students on topic of **“KEY TO SUCCESS” - ‘Learning Through Experience’** by Malay J. Desai, Shakti Tex Coaters Pvt. Ltd., Gundlav on 16<sup>th</sup> March, 2023.



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# • STUDENT CORNER

## EXPERT LECTURE



Chemical Engineering Department has organized technical expert speech for 4<sup>th</sup> Semester(2<sup>nd</sup> Year) students on topic of “Industrial Reactors” by Dr.Deepak Kohli, Associate Professor, School of Engineering (Chemical Engineering),PP Savani University, Dhamdod, Kosamba, Surat on 13<sup>th</sup> April, 2023.

Chemical Engineering Department has organized technical expert speech 6<sup>th</sup> Semester(3<sup>rd</sup> Year) on topic of “**Present seenario of Fertilizer industries**” by Shree Vishal Shah, Assistant Professor, School of Engineering (Chemical Engineering),P P Savani University, Dhamdod, Kosamba, Surat on 13<sup>th</sup> April, 2023.



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# • STUDENT CORNER

## INDUSTRIAL VISIT



An Industrial visit has been organized by **Chemical Engineering Department**, Government Polytechnic Valsad for 6<sup>th</sup> semester Students on 3<sup>rd</sup> May 3, 2023 at **Deepak Cellulose Pvt.Ltd, Gundlav Valsad.**

The various unit operations/processes used in the plant, such as the esterification process, Sperkler Filter, Centrifuge Filter, ML Handling, Fluidized bed dryer, Utility section and operations involved in Effluent treatment plant are demonstrated to the students, along with their useful practical aspects.

An Industrial visit has been organized by **Chemical Engineering Department**, Government Polytechnic Valsad for 4<sup>th</sup> semester Students on 6<sup>th</sup> June, 2023 at **Vapi Green Enviro Limite, CETP, Vapi.**

The industrial visit provided an insight into the functioning of Primary Effluent Treatment process, Secondary Effluent treatment processes, DCS System, Boiler section and Sludge processing section.



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# • STUDENT CORNER

## DEMONSTRATION PROGRAM



Demonstration of **Fire Extinguisher** was organized by Chemical Engineering Department on 21th March, 2023 (1 PM to 3 PM) for 4th and 6th semester students of Chemical Engineering Department at Academic Block-A ground.



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# • STUDENT CORNER

## PROJECT PRESENTATION



A **“Project Power Point Presentation”** was organized on 02/05/2023 at the Chemical Engineering Department, Government Polytechnic, Valsad for 6<sup>th</sup> Semester from 10:30 AM onwards.

Departmental faculty members Ms. Dishanvi Das, Mr. Jagdish raut, Mr. Parth Prajapati, Ms. Krishna Patel and Mr. Ghanshyam Raval, Lecturer, Chemical engineering department, Government Polytechnic, Valsad were appointed as jury members.



Total 32 group members participated in the Project Power Point Presentation.





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# • STUDENT CORNER

## PROJECT FAIR



A **“Poster Presentation”** Event was organized on 16/05/2023 at the Chemical Engineering Department, Government Polytechnic, Valsad for 6<sup>th</sup> Semester from 11.00 am onwards.

Mr. Jignesh Joshi, Assistant professor, Chemical engineering department, Government Engineering College was appointed as a jury member.

Total 32 group members participated in the poster presentation event. Students were encouraged by Mrs. Rinku Shukla, Principal, Government Polytechnic, Valsad.



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# • STUDENT CORNER

## MODEL PRESENTATION



A “**Model Presentation**” was organized by Chemical Engineering Department on 28<sup>th</sup> June, 2023 for 2<sup>nd</sup> semester students of Chemical Engineering Department.







Students have prepared models that demonstrate the functioning of various size reduction equipments, Heat exchangers, Process flow sheet, etc.

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# • STUDENT CORNER

## DEPARTMENTAL TOPPERS

**1<sup>st</sup> Semester-1<sup>st</sup> Year**
**GTU Winter-2022 Examination**

	<b>SINGH ANANDKUMAR SHASHIBHUSAN SINGH</b> Enrollment No: 216290305002 CPI: 8.50	
	<b>MULLA MOHMADTALHA MOHMADMUNIR</b> Enrollment No: 216290305020 CPI: 8.50	
	<b>RAM RAVIKUMAR ABHISHEK</b> Enrollment No: 216290305033 CPI: 8.34	

**3<sup>rd</sup> Semester-2<sup>nd</sup> Year**
**GTU Winter-2022 Examination**

	<b>KHAN AKIB JAVED</b> Enrollment No: 226290305037 CPI: 9.09	
	<b>PADVI PRITAM SURESH</b> Enrollment No: 226290305088 CPI: 8.78	
	<b>MISHRA ALOK MEENKUMAR</b> Enrollment No: 226290305073 CPI: 8.52	

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# • STUDENT CORNER

## DEPARTMENTAL TOPPERS

5<sup>th</sup> Semester-3<sup>rd</sup> Year

GTU Winter-2022 Examination

	Student Profile	Department Rank	Institute Rank
	<b>AAKASH GIRI</b> Enrollment No: 206290305079 CPI: 9.78 CGPA: 9.69		
	<b>PATIL ROHANSING ISHWARSING</b> Enrollment No: 206290305167 CPI: 9.55 CGPA: 9.50		
	<b>PRAJAPATI DEV JAGDISHBHAI</b> Enrollment No: 206290305050 CPI: 9.48 CGPA: 9.2		



*Good luck for your future endeavors*

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## • FACULTY CORNER

## RESEARCH PAPER



**Mr. Mehul Prashant Deshpande**  
**Lecturer**

- Presented his research topic in International Conference of Recent Advances in Applied Sciences and Engineering “RAISE 2023” M.S. University of Baroda during April 12-13,2023.
- **Received Best Presentation Award** in the event, also the research was published in Proceedings of International Conference RAISE 2023: Vol. II Chemical Engineering, Applied Chemistry, Textile Chemistry
- International Conference date:12/04/23-13/04/23  
Paper Publication details
- Name of the paper: **Experimental Study of KOH and NaOH as a homogeneous catalyst for biodiesel production from Madhuca Longifolia Seed Oil**
- **Journal Title: Proceedings of International Conference RAISE 2023: Vol. II Chemical Engineering, Applied Chemistry, Textile Chemistry**  
ISBN:978-81-9629638-2-9

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**• FACULTY CORNER****FACULTY DEVELOPMENT PROGRAM****Ms. S.M. Chauhan, Lecturer**

Completed MOOC on “Environemtn Quality Monitoring & Analysis” organized on SWAYAM-NPTEL, Coordinated by IIT-Madras.(Jan-Apr 2023)

**Mr. M.R. Nasit, Lecturer**

Completed MOOC on “Environemtn Quality Monitoring & Analysis” organized on SWAYAM-NPTEL, Coordinated by IIT-Madras.(Jan-Apr 2023)

**Ms. D.P. Das, Lecturer**

Completed short term Training Program on “Program Based Learning” organized by National Institute of Technical Teachers Training and Rsearch-Bhopal.(13-03-2023 to 17-03-2023, 1 Week)

**Mr. J.D. Rathod, Lecturer**

Completed MOOC on “Boiological Process Design for Wastewater Treatment” organized on SWAYAM-NPTEL, Coordinated by IIT-Madras. (Feb-Apr 2023)



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**• FACULTY CORNER****FACULTY DEVELOPMENT PROGRAM****Mr. J.D. Raut, Lecturer**

Completed MOOC on “Biological Process Design for Wastewater Treatment” organized on SWAYAM-NPTEL, Coordinated by IIT-Madras. (Feb-Apr 2023)

**Mr. P.D. Prajapati, Lecturer**

Completed MOOC on “Biological Process Design for Wastewater Treatment” organized on SWAYAM-NPTEL, Coordinated by IIT-Madras. (Feb-Apr 2023)

**Mr. S.M. Kapadiya, Lecturer**

Completed short term Training Program on “Digital Techniques for Learning Resources Development” organized by National Institute of Technical Teachers Training and Rsearch-Bhopal.(02-01-2023 to 13-01-2023, 1 Week)



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# • FACULTY CORNER

## FACULTY ACHIEVEMENT



**Mr. J. D. Rathod**

- A member of Gujarat Technological University(GTU) **Competency-focused Outcome-based Green Curriculum-2021(COGC-2021)** Curriculum Development Committee for the course of **Fertilizer Technology** in **5<sup>th</sup> semester of Diploma-Chemical Engineering.**



**Mr. J. D. Raut**

- A member of Gujarat Technological University(GTU) **Competency-focused Outcome-based Green Curriculum-2021(COGC-2021)** Curriculum Development Committee for the course of **Summer Internship-II** in **5<sup>th</sup> semester of Diploma-Chemical Engineering.**



**Mr. P. D. Prajapati**

- A member of Gujarat Technological University(GTU) **Competency-focused Outcome-based Green Curriculum-2021(COGC-2021)** Curriculum Development Committee for the course of **Summer Internship-II** in **5<sup>th</sup> semester of Diploma-Chemical Engineering.**



**Ms. K. B. Patel**

- A member of Gujarat Technological University(GTU) **Competency-focused Outcome-based Green Curriculum-2021(COGC-2021)** Curriculum Development Committee for the course of **Pulp & Paer Technology** in **5<sup>th</sup> semester of Diploma-Chemical Engineering.**



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# • PLACEMENT CELL

75

**Students  
Placed**

116

**Students  
opted for  
Higher  
Education**

3.5

LPA

Highest  
CTC

Lowest  
CTC

1.44

LPA

## No. of Companies visited for placement (Year 2022-23)

ORGANIZATION	STUDENT PLACED	ORGANIZATION	STUDENT PLACED
RIL JAMNAGAR	13	RIL HAZIRA	11
RIL DAHEJ	2	SRF LIMITED DAHEJ	8
BIRLA GRASIM VILAYAT BHARUCH	1	DEEPAK NITRITE, DAHEJ	1
CEAT TYRES, HALOL	5	MCLEOD PHARMA, SARIGAM	7
SUZLON DAMAN	5	UPL JHAGDIA	5
INDIAN RAYON, VERAVAL	1	L&T VADODARA	1
DCM SHRIRAM JHAGADIA	6	HINDUSTAN CHEMICAL OLPAD SURAT	2
INDIAN RAYON, VERAVAL	1	ALPLA VAPI	2

## Our Esteemed Recruiter



**CEAT**



Contact Us

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**Mr. P.D.Prajapati**  
**Newsletter Editor and Coordinator (Departmental)**  
**Chemical Engineering Department**  
**Government Polytechnic Valsad**