



SSBT's College of Engineering & Technology, Bambhori, Jalgaon
(Included under section 2 (f) and 12(B) of the UGC Act, 1956)
Grade A (3.14) NAAC Accredited
Department of Chemical Engineering

MOMENTUM

News Letter Vol. No. XXIII Jan. 2023– June 2023

VISION

Today we carry the flame of quality education, knowledge and progressive technology for global societal development; tomorrow the flame will glow even brighter.

MISSION

To provide conducive environment for preparing competent, value added and patriotic chemical engineers of integrity of par excellence to meet global standards for societal development.

Salient Features of Chemical Engineering Programme:

- ◆ *Experienced, Qualified & Research Oriented Faculty*
- ◆ *Program Accredited Thrice by NBA*
- ◆ *Modern and Well Equipped Laboratories*
- ◆ *Excellent Results*
- ◆ *Research Facilities*
- ◆ *Departmental Library with Internet Facility*
- ◆ *Long Tradition of Gold Medalist in University Exams*
- ◆ *Consultancy for Chemical Engineering & Allied Processes*
- ◆ *Teacher Guardian Scheme*
- ◆ *Excellent Self-Study Material*



Traditional Day Celebration @ Chemical Engineering Department

Programme Educational Objectives (PEOs) of Chemical Engineering Department

1. Core Knowledge

To provide the quality education in the field of basic sciences, mathematics, chemical engineering and allied technologies to pursue higher education and research for global socioeconomic development.

2. Employment

To motivate the students for gaining value added knowledge and real world exposure by industrial training, visits and workshops.

3. Professional Competency

To build a chemical engineer of integrity and par excellence with professional and ethical values.

Programme Outcomes (POs) of Chemical Engineering Department

PO1 Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2 Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3 Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4 Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11 Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12 Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Programme Specific Outcomes (PSOs) of Chemical Engineering Department

PSO1 How are you able to apply basic principles of science, mathematics and chemical engineering skills in interpreting and analyzing experimental data for societal development?

PSO2 How are you able to design and provide solutions to problems in the development of chemical and allied industries?

PSO3 How are you able to display multidisciplinary approach for providing techno-economical and eco-friendly solutions?

Activities Conducted by Chemical Engineering Department in Academic Year 2022-23 (Term-II)

DATE	EVENT NAME	EVENT DESCRIPTION
14/01/2023	Alumni Lecture	Alumni Mr. Kavishwar Kalambe (2000 Batch), Site Director, Huntsman Corporation, Vadodara, Gujrat delivered online lecture on the topic “Project Management & Execution” for the students of Chemical & Biotechnology Engineering Students.
03/02/2023	Industrial Visit	Third year and final year students of Chemical and Biotechnology engineering department visited Acme Sujan Chemicals, Jalgaon.
07/02/2023	Alumni Lecture	An alumni lecture of Mr. Saurabh Patil was organized on the topic “Advanced Research Laboratory Instruments & their Applications” .
20/02/2023 to 25/02/2023	Add-On Course	Department of Chemical & Biotechnology engineering jointly conducted one week (30 Hours) add on course on “Employability & Entrepreneurship Skills” .
17/04/2023	Expert Lecture	Mr.Ravi Jorigal from Asian Academy of Professional Training, Pune delivered expert lecture on “Career Opportunities in Piping Design Engineering & Construction” . The lecture attended by the Students of Chemical Engineering Department.
20/04/2023	Alumni Lecture	Chemical Engineering Alumni (2013 batch pass out) Ms Payal Bhautik, delivered lecture on “Open Source Simulation Software’s for Chemical Engineering”
04/05/2023	Alumni Lecture	Alumni Mr. Pramod Jadhav (2000 Passout) Deputy General Manager Technical, SNF India Pvt Ltd. Mumbai, delivered lecture on “Entrepreneurship in Chemical Engineering” .



B.E. Chemical Engineering Top Ten Students in KBCNMU May.2023 Exam (AY:2022-23)

Merit No.	Name of the Student	CGPA
1	PATIL KEDAR SUNIL	9.43
2	THAKUR AMOLKUMAR RAJENDRA	9.30
3	PATIL JANHAVI ASHOK	9.13
4	MANSURI NILOFAR PARVEEN	9.11
5	PATIL SUYOG RAVINDRA	9.05
6	BHADANE VIVEK FAKIRA	9.04
7	DESALE ARPITA PRADEEP	8.96
8	GIRASE HEMANTSING PRAVINSING	8.92
9	KINAGEVAIBHAV GAJANAN	8.90
10	DESHPANDE AMIT MANOJ	8.88

T.E. Chemical Engineering Top Ten Students in KBCNMU May.2023 Exam (AY:2022-23)

Merit No.	Name of the Student	CGPA
1	BHADANE NARENDRA DNYANESHWAR	9.06
2	MORIS VAIBHAV PRAKASH	9.06
3	ZAMBARE DEVENDRANARENDRA	8.90
4	PATIL VAISHNAVI SANJAY	8.86
5	PATIL HARSHAD RAJENDRA	8.78
6	KOKANE YOGESH GOVINDA	8.77
7	RAJPUT TANMAY SURESHSING	8.75
8	SHENDE GAURAV SATISH	8.71
9	PAWAR HIMANSHU BHARATSING	8.63
10	CHAUDHARI PRAGATI PRAKASH	8.69

Performance of S.E. Chemical Engineering Students in KBCNMU May.2023 Exam (AY:2022-23)

Merit No.	Name of the Student	CGPA
1	PATEL DEV VASANT	8.22
2	PANJARDE RAHUL SUPADU	8.18
3	KAKUSTE PRATHAMESH SUNIL	7.78
4	YEOLE RAHUL RAMESH	7.51

Award of Gold Medal

31st Convocation Ceremony of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon was held on 17 Feb 2023. Mr. Jadhav Manas Jitendrasing (B.E.Chemical AY:2021-22) received Adv. Nanasahab Narayanrao Ramji Patil Gold Medal by the auspicious hand of Prof. V. L. Maheshwari, Vice Chancellor, KBCNMU, Jalgaon & Dr.S.Chandrasekhar, Secretary, Department of Science & Technology, Government of India.

Placements 2022-2023

Marty India Engineering and Consultancy , Nagpur



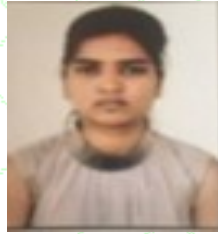
Ashitosh Rajput



Nikhil Saner



Vaibhav Salunke



Achal Mude



Arpita Desale

Chougule Associates , Dhule



Satyapal Mungal



Nilesh Patil



Jayesh Patil

Chandan Tech Solutions, Pune



Bhagyashri Jadhav

Moraya Global Ltd, Jalgaon



Nilofar Mansoori

Chandan Tech Solutions, Pune



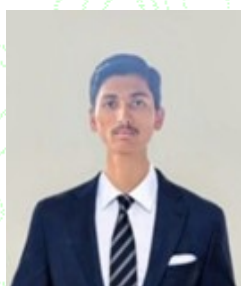
Janhavi Patil

Saurashtra Chemicals, Porbandar



Kedar Patil

Supreme Petrochem Ltd. Raigarh



Amolkumar Thakur

Saurashtra Chemicals, Porbandar



Suyog Patil


CONGRATULATIONS!

Shram Sadhana Bombay Trust's
Department of Chemical Engineering
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX No.94,Jalgaon-425001(M.S.)

Brief Report of Alumni Lecture
“Project Management & Execution”

Date(s) and Venue /Location	: Zoom Platform on 14.01.2023 at 12 PM Chemical Engineering Department
Aim/Purpose	: To apprise students about different techniques of project management.
Objectives	: 1.To understand the importance of project management & execution 2. To study knowledge of project challenges & execution
Participants Profile Description about program	: Students of Chemical Engineering, Department : Chemical Engineering Alumni (2000 batch pass out) Shri Kavishwar Kalambe, Site Director, Huntman Corporation, Vadodara, Gujarat delivered lecture on “Project Management & Execution” He explained about project challenges, safety and Management, time and cost management of project.
Feedback & Analysis	: 20 students of Chemical Engineering attended the online lecture.
Outcomes	: The students got detailed information about project problem solving, time and cost management . They also knew about methods for project execution.
Recommendation	: It is very important for every student to work in groups and complete the project successfully in stipulated time.


Dr. N.Y. Ghare
 Coordinator


Dr. V.R. Diware
 HOD, Chemical Engineering
Head of the Dept.
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Photos:



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Brief Report of Alumni lecture on

“Advanced Research Laboratory Instruments & their Applications”

- Date and Venue / Location :** Feb.07, 2023, Chemical Department.
- Aim / Purpose :** To appraise the students about advanced research laboratory instruments and their applications in research & in industrial sector.
- Objectives :** To make familiar about recent technological developments in analytical instruments.
- Participant's Profile :** Students of chemical engineering program.
- Description about the Program :** An alumni lecture of Mr. Saurabh Patil was organized on the topic “Advanced Research Laboratory Instruments & their Applications”. He explained about technological developments going on in the field of analytical research. Students got latest information about analytical instruments, software's and tools.
- Feedback & Analysis :** Students got knowledge about latest research laboratory instruments and the software's required to run these highly sophisticated instruments.
- Outcomes :** By this program, students build their confidence for adopting research career & also understand importance of instruments in research.
- Recommendation :** Latest knowledge of research instruments is necessary for problem solving using scientific methods.

Photos:



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Brief Report

Expert lecture on “Career Opportunities in Piping Design Engineering & Construction”


- Date and Venue / Location : 17/04/2023, ICT Classroom No.125 & Online
- Aim / Purpose : To aware the students about opportunities in piping design.
- Objectives : To manage, design, implement, adapt and evaluate tools, machines, products and mechanical components based on structural criteria and security.
- Participant's Profile : Final year engineering students of chemical engineering program.
- Description about the Program : As chemical process plants, refineries, power plants use a lot of piping it is necessary to understand and learn piping design principles and aspects. The expert lecture on piping design engineering & construction was delivered by Mr.Ravi Jorigal from Asian Academy of Professional Training, Pune.
- Feedback & Analysis : The expert lecture attended by 30 students from chemical engineering department and learn various aspects of piping design, which is an integral part of any chemical process industry.
- Outcomes : Students understands the importance of proper piping design techniques in energy saving and safety of chemical plant.
- Recommendation : By proper training courses students can flourish their career in piping design.

Photos:



Dr. N.Y. Ghare

Name & Signature of Coordinator(s) Dr.N.Y.Ghare


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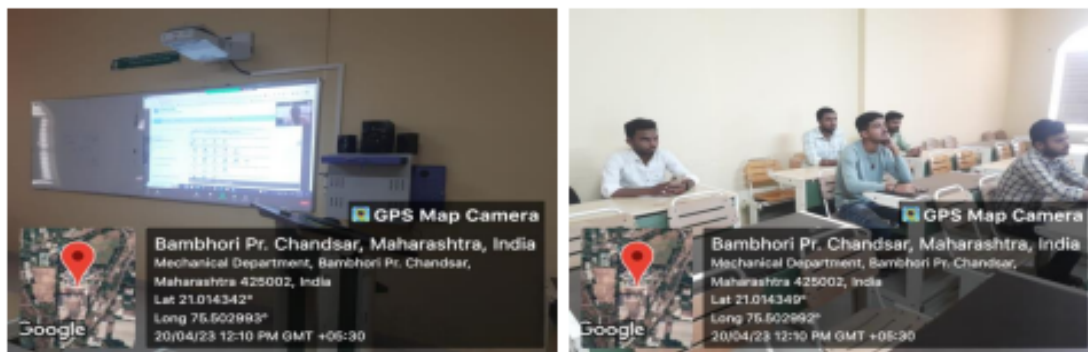
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Brief Report


Alumni Lecture on “Open Source Simulation Software’s for Chemical Engineering”

Date(s) and Venue /Location	: Zoom Platform on 20.04.2023 at 12 PM. Chemical Engineering Department
Aim/Purpose	: To apprise students about different simulation Software in Chemical Engineering.
Objectives	: 1.To explain the importance of simulation software. 2.To study the applications of simulation software.
Participants Profile	: Students of Chemical Engineering Department.
Description about the program	:Chemical Engineering Alumni (2013 batch pass out) Ms Payal Bhautik, delivered lecture on “Open Source Simulation Software’s for Chemical Engineering” She explained about different software available in Chemical Engineering which is used research work as well as in chemical industry
Feedback & Analysis	: 44 students of Chemical Engineering attended the online lecture.
Outcomes	: Students got detailed information about Matlab software in Chemical Engineering. They knew about other chemical engineering open source software along with application.
Recommendation	: Every student should understand different simulation software in Chemical Engineering because it is now being used by some of the chemical industries and also for research work.

Photos:




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Brief Report of Alumni Lecture


“Entrepreneurship in Chemical Engineering”

- Date and Venue / Location : : 04.05.2023, Chemical Engineering Department.
- Aim / Purpose : : To apprise students about techniques for being a successful entrepreneur.
- Objectives : :
 - To understand the importance of entrepreneurship and its implementation.
 - To study opportunity evaluation.
- Participant's Profile : : Students of Chemical Engineering Department.
- Description about the Program : : Alumni Mr. Pramod Jadhav (2000 Passout) Deputy General Manager Technical, SNF India Pvt Ltd. Mumbai, delivered lecture on “Entrepreneurship in Chemical Engineering”. He explained about Entrepreneurship risks, its overpowering and management. He also explained about entrepreneurship development and planning.
- Feedback & Analysis : : 05 students of S.E. Chemical Engineering attended the lecture.
- Outcomes : : The students got detailed information about opportunity identification, practices of a successful entrepreneur. They also knew about planning and evaluation.in entrepreneurship.
- Recommendation : : It is very essential for every student to identify opportunities, accept challenges and risks for becoming a successful entrepreneur.

Photos:




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Brief Report

“Industrial Visit”

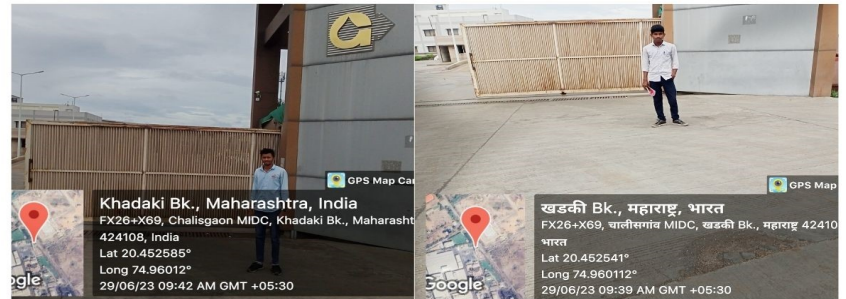
Date and Venue / Location	: 03.02.2023 at Acme Sujan Chemicals , D-70/71, MIDC Area, Jalgaon.
Aim / Purpose	: To apprise students about practical commercial production of chemicals.
Objectives	: <ul style="list-style-type: none">• To remain updated with the latest practices in Chemical Process Industries.• To interact the students with the industry personnel.
Participant's Profile	: T.E and B.E. Students of Chemical and Biotechnology Engineering.
Description about the Program	: Third year and final year students of Chemical and Biotechnology engineering department visited one of the leading chemical industry of the region, Acme Sujan Chemicals, D-70/71, MIDC Area, Jalgaon. They observed various unit processes, unit operations, utilities and layout of the plant.
Feedback & Analysis	: 32 students of Chemical Engineering and Biotechnology Engineering visited industry and interacted with the industry personnel on various technical aspects of manufacturing processes.
Outcomes	: Students are exposed to industrial environment, thus the students will be industry ready and more employable.
Recommendation	: It is important for students to work in groups and enhance their practical knowledge about production of chemicals on commercial scale, by industrial visits.

Photos:




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Mr. V.P.Sangore (Content Organizer)

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Head, Chemical Engineering



Prof. (Dr). G. K. Patnaik
Principal

