



**SSBT's College of Engineering & Technology, Bambhori, Jalgaon**

(Included under section 2 (f) and 12(B) of the UGC Act, 1956)

Grade B ++ (2.91) NAAC Accredited

**Department of Chemical Engineering**

# MOMENTUM

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## 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
- ◆ ASPEN HYSYS Software
- ◆ Consultancy for Chemical Engineering & Allied Processes
- ◆ Teacher Guardian Scheme
- ◆ Excellent Self-Study Material



## 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?

**Events / Expert Lectures & Other Program Organized by the Department**

DATE	EVENT NAME	EVENT DESCRIPTION
29/01/2019	Industrial Lecture	Alumni Shri. Vijay B.Bhole delivered Lecture on Role of Chemical Engineers In Polymer Industry
06/02/2019	GATE Coaching	A seminar on Gate Coaching by GATEWAY Institute Pune
02/03/2019	Milestone 2K19	National Level Students Paper Presentation
08/03/2019	Women's Day	Womens Day Celebration
13/03/2019	Industrial Lecture	Shri Ravindra Tanwar , GM (QA and Production), Finar Limited, Mumbai delivered Lecture on Significance of Laboratory Reagent Specification, Global Harmonize system and its impact on Laboratory safety
14/03/2019	Industrial Lecture	Shri Rahul Wani,DGM, Essar Oil Ltd. ,Jamnagar delivered Lecture on Operations of Petrochemical Refinery
18/03/2019	Industrial Lecture	Smt.Smita Shirsale, Spectrum Electrical Components Pvt Ltd. Jalgaon delivered Lecture on HR practices in plastic industries
18/03/2019	Industrial Lecture	Shri.Patil, Spectrum Electrical Components Pvt Ltd. Jalgaon delivered Lecture on HR practices in plastic industries
26/03/2019	Industrial Lecture	Shri Rajesh Kulkarni, Director, Ecobiotech Pvt. Ltd. MIDC, Malkapur delivered lecture on Resources from leather tanning industry wastewater
03/04/2019	Industrial Lecture	Shri Ulhas Patil, Director, Acme Sujan Chemicals Pvt. Ltd. Jalgaon delivered lecture on Specialty chemicals manufacturing overview
03/04/2019	Industrial Lecture	Shri Sudip Rane, Director, S P Pharmaceuticals Jalgaon delivered lecture on Pharmaceutical Biotechnology
03/04/2019	Shodhprakalp Pratiyogita –2019	Final Year Student's Project Exhibition & Competition
30/04/2019	Visit of Engineering Aspirants	Educational Tour of 12th Science students from Nobel Foundation, Jalgaon to SSBT's COET & Chemical Engineering Department



### Achievements (Students)

Maheshwar Jadhav, B.E.Chemical Engineering (2017-18) was awarded Gold Medal for University Topper in Chemical Engineering discipline at the Auspicious hands of Honorable Vice Chancellor of KBC North Maharashtra University Prof.P.P.Patil, & Chief Guest Dr. Mukund Karanjikar (Director of Innovations, Technology Holding, LLC, Salt Lake City UT USA) in 27th Convocation Ceremony held on Saturday Feb.09, 2019.



### Results of Shodhprakalp Pratiyogita (2018-19)

Project Title	Name of the Student	Guide	Result
To study potentiality of dairy waste water using microwave reactor.	Mahendra Bendale, Prathamesh Shrikhande, Rounak Chaudhari.	Dr.V.R.Diware	FIRST PRIZE
Waste water treatment using algae and purification of bio-gas	Mayuri Yelane, Pranita Bhavsar.	Dr.S.A.Thakur	SECOND PRIZE
Production of biodiesel from used fried cooking oil using microwave irradiation.	Jivan Chavan, Mayuri Patil, Kajal Chauhan.	Dr.V.R.Diware	CONSOLATION

### Results of National Level Students Paper Presentation (MILESTONE 2K19)

Title of Paper	Name of Author/s	Result
Indoor Air Pollution	Roshan Tejane Yogesh Varma Darshan Thakare Nimish Shastri	FIRST PRIZE
Advanced Methods for Waste Water Treatment	Arundhati Wani	SECOND PRIZE

### Placements 2018-19

Students of B.E.Chemical Engg. (2018-19) Selected in Gujrat Ambuja Exports Ltd., Chalisgaon

1	Jivan Chavan
2	Bhatu Patil
3	Prathamesh Shrikhande
4	Raj Chalse

Students of B.E.Chemical Engg. (2018-19) Selected in Spectrum Electrical Components Pvt.Ltd.Jalgaon

5	Mayuri patil
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Students of B.E.Chemical Engg. (2018-19) Selected in Off-Campus

6	Charan Rathod (Aarti Industries Limited , Thane)
7	Vinod Sonone (Huber Group India Pvt.Ltd. Vapi)
8	Mahendra Patil (Godrej Industries, Valia)
9	Vinay Purekar (Century Rayon,Thane)
10	Nivrutti Patil (New Park Agro Ltd., Ankleshwar)
11	Yogesh Desale ( Unimark Pharmaceutical Ltd. Vapi)

### Rank Holders

#### B.E. Chemical Engineering Results (Academic Year 2017-18)

Class	No. of Students Appeared	No. of Students Passed	% of Passing
B.E. Chemical	31	30	96.77

#### B.E. Chemical Engineering Top Ten Students (College and University Level)

Merit No.	Name of the Student	CGPA
1	YELNE MAYURI VIJAYRAO	8.86
2	KOLI BHAVANA BHARAT	8.36
3	CHAVAN JIVAN SURESH	8.27
4	SHRIKHANDE PRATHAMESH PRABHAKAR	8.08
5	SONONE VINOD BHANUDAS	7.89
	BHAVSAR PRANITA RAJENDRA	
6	CHALASE RAJ DHANANJAY	7.81
7	CHOUHAN KAJAL ASHOK	7.79
8	BENDALE MAHENDRA RAVINDRA	7.68
9	PATIL MAYURI YOGESH	7.59
10	DESALE YOGESH SARJERAO	7.55



**Mayuri Yelne**  
University Rank 1



**Bhavana Koli**  
University Rank 2



**Jivan Chavan**  
University Rank 3

#### T.E. Chemical Engineering Top Ten Students (Academic Year 2018-19)

Merit No.	Name of the Student	CGPA
1	BALDI GAURAV GIRIDHARI	8.41
2	MAHAJAN DEVEN SANJAY	8.22
3	BOMBATKAR SHANTANU GAJANAN	7.86
4	KHOBRADE SANKET JAGDISH	7.83
5	PATIL AKASH AJAY	7.78
6	RAMTEKE SAHIL DNYANESHWAR	7.76
7	WANI ARUNDHATI PRAMOD	7.75
8	PATIL SHUBHAM RAJENDRA	7.59
9	KAWALE KOMAL PRAKASH	7.52
10	BHADANE AJAY PRABHAKAR	7.51

#### S.E. Chemical Engineering Top Ten Students (Academic Year 2018-19)

Merit No.	Name of the Student	CGPA
1	PATIL HARSHAL SUNIL	8.69
2	BANIYA SAKSHI SADASHIV	8.39
3	PATIL VAIBHAV RAVINDRA	8.24
4	CHANKARURE ABHISHEK SHYAMDEO	8.15
5	BHARAMBE PRAJAKTA DILIP	8.02
6	KALE AJAY ANIL	7.96
7	SHAIKH IRAM JAVED	7.83
8	TEJANE ROSHAN PANDURANG	7.63
9	JADHAV PRAJAKTA KISHOR	7.61
10	SHASTRI NIMISH NITIN	7.44

## Photo Gallery



## News Letter Committee

**Faculty Members: Dr. V R. Diware (Editor)**

**Mr. V.P.Sangore (Content Organizer)**

**Student Coordinators: Harshal Patil (SE) Arundhati Wani, Shama Chaudhari (TE) Rounak Chaudhari (BE)**



**Dr. V.R. Diware**  
Head, Chemical Engineering



**Prof. Dr. K. S. Wani**  
Principal