



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. XXII July 2022– December 2022

VISION

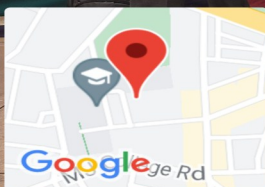
Today we carry the flame of quality education, knowledge and progressive technology for global societal development; tomorrow the flame will glow even brighter.

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*



Jalgaon, Maharashtra, India
2H23+2R5, MJ College Rd, Shivram Nagar, Ramdas Colony, Jalgaon,
Maharashtra 425001, India
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Participation of Students & Faculty of Chemical Engineering Department in "Avishkar-2022"

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-I)

DATE	EVENT NAME	EVENT DESCRIPTION
15/09/2022	Expert Lecture	On the occasion of Engineers Day, an expert lecture of Mr. M. Mujtahid Ansari, Assistant Professor, Electrical Engineering Department, SSBT's COET was organized on the topic "Energy Audit in Process Industries", for the students of Chemical & Biotechnology Engineering. The event jointly organized by Energy Club & Chemical Engineering Department.
15/09/2022	Tree Plantation	Tree Plantation Program conducted at SSBT'COET Campus. Students of the Chemical Engineering & Biotechnology Department actively participated in the program.
17/09/2022	Essay Competition	Essay competition on the topic "The changes in Indian Technical Education after Independence" was organized for the students of Chemical & Biotechnology Engineering Department.
22/09/2022	Alumni Lecture	Alumni Ms. Urvashi Sarode, Research Student, Chemical Engineering, ICT, Mumbai, delivered lecture on the topic "Pursuing Higher Studies in the field of Chemical Engineers & Biotechnology Engineering". Students of Chemical & Biotechnology Engineering Department attended the lecture.
19/11/2022	Induction Program	An induction program was organized to familiarize newly joined first year chemical engineering students with the chemical engineering department. Students also visited laboratories of the department. The objective of the program was to promote bonding between students, build relations between teachers and students, and give a broader view of life, and building of character.
14/12/2022	Poster Presentation	On the occasion of National Energy Conservation Day, Poster Presentation on various themes related with energy conservation & recycling was organized for First Year Engineering students of the institute. The event jointly organized by Energy Club & Chemical Engineering Department.



KBCNMU MAY 2022 EXAMINATION RESULTS (College Level and University Level)**B.E. Chemical Engineering Top Ten Students in (A. Y. 2021-22)**

Merit No.	Name of the Student	CGPA
1	JADHAV MANAS JITENDRASING	9.28
2	PATIL JIVANLAL MAHADU	9.26
3	PATIL PRASAD JAYWANTRAO	9.21
4	MORE UDDESH RATAN	9.15
5	TEMBHURNE SUGAT MULCHAND	9.03
6	PATIL KRANTI DIPAK	8.74
7	BADGUJAR SANDIP ISHWAR	8.74
8	NIKAM REVATI VASANT	8.70
9	BARI GAURAV GANESH	8.69
10	BORSE RAVIRAJ SANJAY	8.52

T.E. Chemical Engineering Top Ten Students in (A. Y. 2021-22)

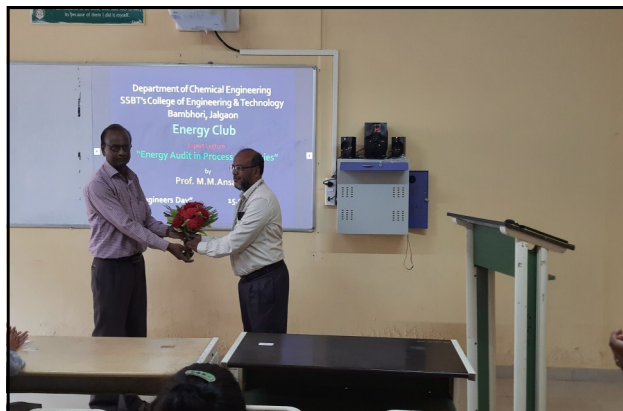
Merit No.	Name of the Student	CGPA
1	MANSURI NILOFAR PARVEEN	9.63
2	PATIL KEDAR SUNIL	9.61
3	THAKUR AMOLKUMAR RAJENDRA	9.58
4	PATIL SUYOG RAVINDRA	9.44
5	DESHPANDE AMIT MANOJ	9.43
6	MUDE AACHAL PRABHAKARRAO	9.37
7	BHADANE VIVEK FAKIRA	9.37
8	PATIL JANHAVI ASHOK	9.34
9	KINAGE VAIBHAV GAJANAN	9.30
10	RAJPUT ASHITOSH RAJENDRA	9.30

S.E. Chemical Engineering Top Ten Students in (A. Y. 2021-22)

Merit No.	Name of the Student	CGPA
1	BHADANE NARENDRA DNYANESHWAR	9.62
2	PATIL VAISHNAVI SANJAY	9.58
3	MORIS VAIBHAV PRAKASH	9.57
4	PATIL HARSHAD RAJENDRA	9.51
5	KOKANE YOGESH GOVINDA	9.45
6	SHENDE GAURAV SATISH	9.36
7	CHAUDHARI PRAGATI PRAKASH	9.35
8	ZAMBARE DEVENDRA NARENDRA	9.31
9	PAWAR HIMANSHU BHARATSING	9.25
10	RAJPUT TANMAY SURESHSING	9.14

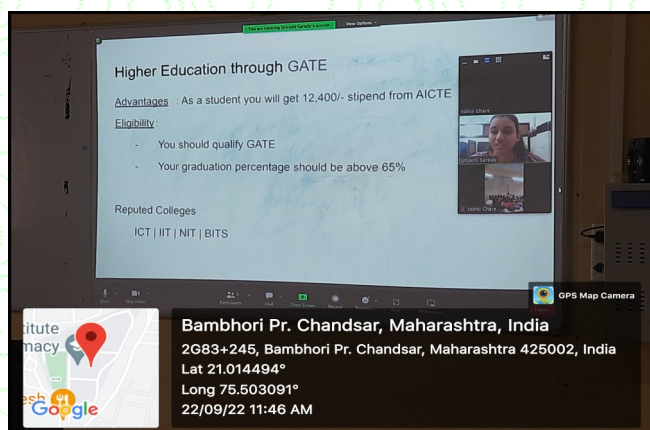
Brief Report on Expert Lecture on “Energy Audit in Process Industries”

- Date and Venue / Location : 15/09/2022, Department of Chemical Engineering.
- Aim / Purpose : Development of Energy Consciousness through Energy Audit.
- Objectives :
- To create perception towards Energy Conservation among all.
 - To reduce Energy input by Energy Audit.
- Participant’s Profile : 42 Chemical Engineering Students.
- Description about the Program : Energy Club organized Expert Lecture on “Energy Audit in Process Industries” on the occasion of “Engineers Day” on 15.09.2022.
Er.M.M.Ansari (Faculty Member, Department of Electrical Engineering, SSBT’s COET, Bambhori) presented the importance of Energy Audit in Chemical Process Industries for better resource utilization through power point presentation.
- Feedback & Analysis : The lecture covered inspection, survey and analysis of energy flows for energy conservation and energy management.
- Outcomes : Students got detailed information to be followed for conducting Energy Audit. The students came to know about reduction in the amount of energy input into the system without negatively affecting the output.
- Recommendation : Energy Conservation among all leads to become responsible person for maintaining the environment.



Brief Report of Alumni Lecture "Pursuing Higher Studies in the field of Chemical Engineering & Biotechnology Engineering"

- Date and Venue / Location : Zoom Platform on 22.09.2022 at 11.30 AM.
Chemical Engineering Department.
- Aim / Purpose : To apprise students about availability of different paths of higher studies.
- Objectives :
- To create awareness about available avenues for higher studies.
 - To explore international opportunities of study.
- Participant's Profile : Chemical Engineering & Biotechnology Students.
- Description about the Program : Chemical Engineering Alumni (2016 batch Pass Out) Ms. Urvashi Sarode, PhD Scholar, UICT Mumbai delivered lecture on the "Pursuing Higher Studies in the field of Chemical Engineering & Biotechnology Engineering". She explained available career after post-graduation and PhD program in the relevant/interdisciplinary/multidisciplinary field.
- Feedback & Analysis : 40 Chemical Engineering & Biotechnology Students attended the Online Lecture.
- Outcomes : The students got detailed information about the available avenues for higher studies and also the importance of qualifying GATE, GRE, TOEFL etc. for better opportunities.
- Recommendation : The higher study in the multidisciplinary/interdisciplinary is very important to build strong economy and strong nation.



Brief Report Poster Presentation on “National Energy Conservation Day”

- Date and Venue / Location : 14/12/2022, Applied Science Department.
- Aim / Purpose : To use minimum power and save energy sources for future.
- Objectives :
- To impart consciousness towards Energy Conservation.
 - To reduce energy consumption.
 - To use the energy efficiently.
- Participant's Profile : F.E. Students.
- Description about the Program : Poster Presentation on the occasion of “National Energy Conservation Day” was organized on 14.12.2022 for FE students by Energy Club and Department of Chemical Engineering at Applied Science Department on following Theme :
- Renewable Energy
 - Green Energy
 - Clean Energy
 - Affordable Energy
 - Energy Economization
 - Energy Audit
 - Energy Recycling
 - Bio Energy
 - Innovative Energy Conservation Solutions
- Dr.K.S.Patil (HOD, Applied Science), Er. P.D.Patil (Asth.Prof. Mech.Engg), Er.D.D.Puri (Asth.Prof. Comp.Engg) evaluated the posters.
Principal Dr.G.K.Patnaik, presided the Valedictory Function.
- Feedback & Analysis : 36 Students presented their 24 posters out of which 06 Posters were adjudged as “Outstanding Posters” and Prize Money of Rs. 250/- per poster was given to P20: Harshada Bodvade & Meghashri Jalankar P21: Harshada Pachpande P19: Dhanashri Patil & Akansha Patil P24: Nutan Bharti & Tamanna Tadvi P04: Riya Rajput P23: Gaurang Bhosale, Durgesh Khalane & Paras Surwade.
- Outcomes : Numerous ideas, details, innovative means were presented and students offered amazing solutions through the posters. The students portrayed concept of recycling materials and use of waste for lower energy consumption solutions, reduction in use of fossil fuels, use of Bioenergy for Green and Clean environment.
- Recommendation : Creativity improves strategic thinking at all levels.



Event Snaps

Vermicompost Collection (Energy Club)



Students Achievements (Sports)



Congratulations Kaushal Girase (B.E. Chemical) SSBT's COET, Bambhori, Jalgaon being selected to represent KBCNMU at Interuniversity level Football Tournament.



Congratulations Arpita Desale (B.E. Chemical) SSBT's COET, Bambhori, Jalgaon for representing KBCNMU at Interuniversity level Basketball Tournament.

Alumni Visit



COCC Certificate Distribution



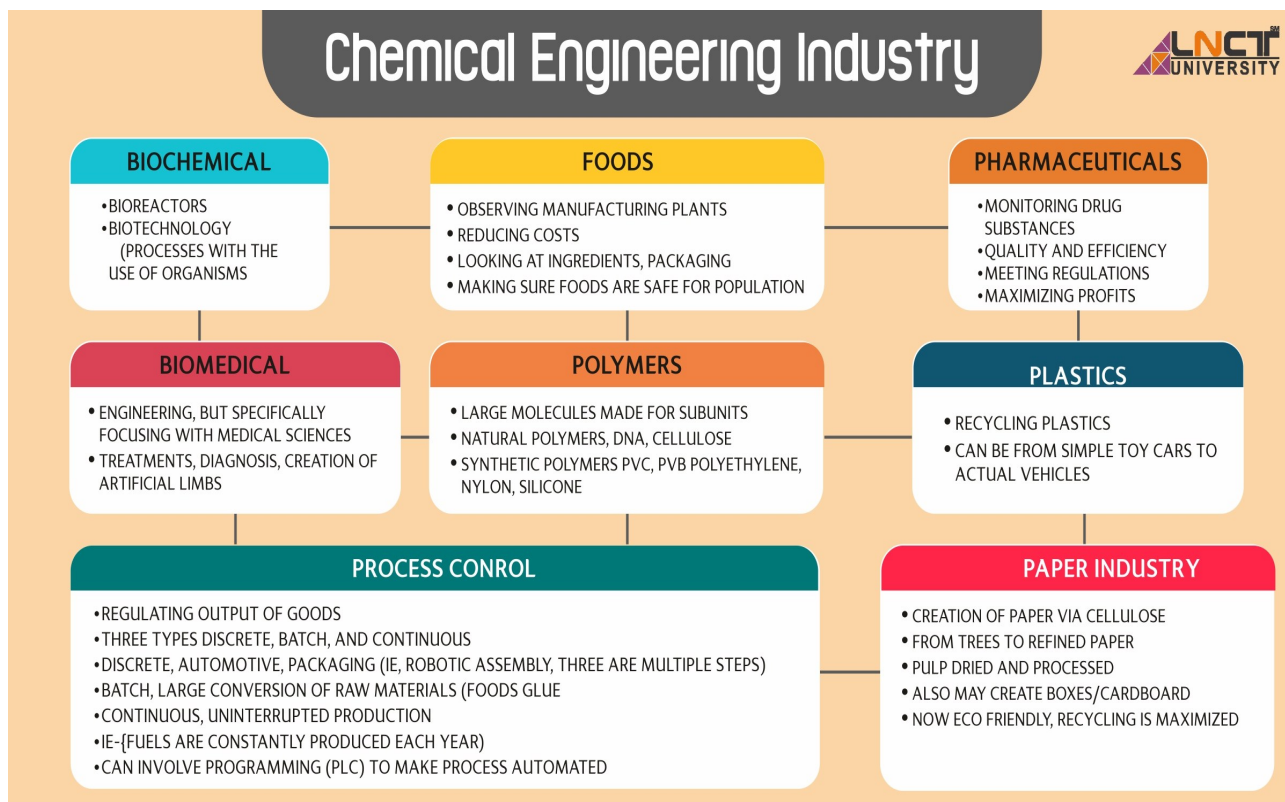
Orientation Program for First Year Engineering Students



Poster Presentation on National Energy Conservation Day



Chemical Engineering Industry



News Letter Committee

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Mr. V.P.Sangore (Content Organizer)

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Dr.V.R.Diware
Head, Chemical Engineering



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

