



B.M.S. COLLEGE OF ENGINEERING, BENGALURU-19
Autonomous Institute, Affiliated to VTU
Department of Chemical Engineering

Students' Achievements: 2021-2022

1. In February 2022, the GATE exam was taken by 9 students of chemical engineering. Two of them have qualified the GATE exam. Gurudatt Sudhindra Shenvi of 7th semester has secured a GATE score of 477 and AIR of 803.

GATE 2022 Graduate Aptitude Test in Engineering (GATE)
अभियांत्रिकी एनालिस अभियन्ता परीक्षा

Name of Candidate	GURUDATT SUDHINDRA SHENVI				
Parent's/Guardian's Name	SUDHINDRA VASANT SHENVI				
Registration Number	CH22S41225175				
Date of Birth	17-Jul-2000				
Examination Paper	Chemical Engineering (CH)				
GATE Score:	477	Marks out of 100:	33.33		
All India Rank in this paper:	803	Qualifying Marks*	General	EWS/OBC (NCL)	SC/ST/PwD
Number of Candidates Appeared in this paper:	14373		25.3	22.7	16.8

Valid up to 31st March 2025


Prof. Ranjan Bhattacharyya
Organising Chairman, GATE 2022
on behalf of NCB-GATE, for MoE



* A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category for which valid category certificate, if applicable, is produced along with this score card.

2. Aashi D Parekh, a 5th-semester student has topped the NPTEL course “Physical and Electrochemical Characterizations in Chemical Engineering” exam held in February 2022. It was a 8-week course.



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Elite
NPTEL Online Certification
(Funded by the MoE, Govt. of India)

TOPPER

This certificate is awarded to
AASHI D PAREKH
for successfully completing the course
**Physical and Electrochemical Characterizations in
Chemical Engineering**
with a consolidated score of **78** %

Online Assignments	22.79/25	Proctored Exam	54.75/75
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Total number of candidates certified in this course: **23**

Jan-Mar 2022
(8 week course)

Prof. Hemant B Kaushik
Prof. Hemant B Kaushik
Head, Center for Educational Technology
NPTEL Coordinator, IIT Guwahati

Indian Institute of Technology Guwahati

3. Shruthi Munukutal, a 5th-semester student has topped the NPTEL course “Soft nano technology” exam held in February 2022. It was a 8-week course.

Elite
NPTEL Online Certification
(Funded by the MoE, Govt. of India)

TOPPER

This certificate is awarded to
SHRUTHI MUNUKUTLA
for successfully completing the course
Soft Nano Technology
with a consolidated score of **73** %

Online Assignments	21.67/25	Proctored Exam	51.75/75
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Total number of candidates certified in this course: **91**

Prof. Jayanta Mukhopadhyay
Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Mar 2022
(8 week course)

Prof. Debjani Chakraborty
Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL22CH11S33200348

To validate and check scores: <https://nptel.ac.in/noc>

4. Vaishnavi C S, Shubhi Tiwari, and Kaushiki Sinha of 5th-semester students presented a paper titled *Study on pretreatment methods for the production of ethanol from bamboo in Materials for Energy and Sustainability (MES-22)*, authored by G. N. Rameshaiah,



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Vaishnavi C S, Shubhi Tiwari, Kaushiki Sinha, organized by SRMIST, Chennai, 20-21st January 2022.

5. Aishwarya Vardhan and Shreyash Verma 5th-semester students presented a paper titled *Study on various methods of production of biodiesel* at the National Conference on Materials for Energy and Sustainability (MES-22), authored by G. N. Rameshaiah, Aishwarya Vardhan, Shreyash Verma, organized by SRMIST, Chennai, 20-21st January 2022.
6. Shivakumar Jyothi, Ramesh G Rakshitha, Phaniraj Madhura, and Suresh C Varshini 7th-semester students presented a paper titled *Synthesis and Characterization Techniques of UiO-66*, authored by Shivakumar Jyothi, Ramesh G Rakshitha, Phaniraj Madhura, Suresh C Varshini, Krishnamurthy Sainath, at National Conference on Recent Advances in Chemical Engineering towards Sustainable Future (RACES-2022), organized by Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat in association with ICT-IOC Bhubaneswar IIT Kharagpur Extension Centre, Bhubaneswar, Odisha, India, 17-18th February 2022. **Received the best paper presentation award for this paper.**
7. Shamanthaka Aithal and Anirudh Anant Dambal Varshini 7th-semester students presented a paper titled *Application of ZIF-8@GO: A mini-review*, authored by Shamanthaka Aithal, Anirudh Anant Dambal, Krishnamurthy Sainath, at the National Conference on Recent Advances in Chemical Engineering towards Sustainable Future (RACES-2022), organized by Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat in association with ICT-IOC Bhubaneswar IIT Kharagpur Extension Centre, Bhubaneswar, Odisha, India, 17-18th February 2022.



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8. Parekh Aashi D and Munukutla Shruthi 5th-semester students presented a paper titled *Review on direct capture of carbon dioxide from the atmosphere*, authored by Parekh Aashi D, Munukutla Shruthi, Krishnamurthy Sainath, at the National Conference on Recent Advances in Chemical Engineering towards Sustainable Future (RACES-2022), organized by Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat in association with ICT-IOC Bhubaneswar IIT Kharagpur Extension Centre, Bhubaneswar, Odisha, India, 17-18th February 2022. Received the best paper presentation award for this paper.
9. Raghunathan Suganesh and Aishwarya Shankar 7th-semester students presented a paper titled *Green Synthesis of ZIF-8 Nanoparticles* authored by Raghunathan Suganesh, Aishwarya Shankar, Krishnamurthy Sainath at the national conference on Materials for Energy and Sustainability, organized by SRMIST, Chennai.
10. Smruti Venkatesh and Sakina Lokhandwala 7th-semester students presented a poster titled *Synthesis of Zeolitic Imidazolate Frameworks-67 Nanoparticles* authored by Smruti Venkatesh, Sakina Lokhandwala and Krishnamurthy Sainath, by organizers of 74th Annual Session of Indian Institute of Chemical Engineers in CHEMCON 2021 Organized by CSIR-Institute of Minerals & Materials Technology, Bhubaneswar, Odisha, India.
Received the best poster presentation award for this poster.



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11. Devika R., an internship student in the Department of Chemical Engineering, from VIT, Vellore, presented a research paper entitled *Micromorphology and Pore Size Evaluation of Biomass Chars During Pyrolysis* authored by Devika R. Balasubramanian, Shivakumar R and Samita Maitra in 74th Annual Session of Indian Institute of Chemical Engineers in CHEMCON 2021 Organized by CSIR-Institute of Minerals & Materials Technology, Bhubaneswar, Odisha, India.
12. Devika R., an internship student in the Department of Chemical Engineering, from VIT, Vellore, presented a research paper entitled *Acoustic field assisted demixing studies in aqueous two-phase system with peg and potassium phosphate* authored by Devika R. Balasubramanian, Shivakumar R and Chetan A. Nayak in 74th Annual Session of Indian Institute of Chemical Engineers in CHEMCON 2021 Organized by CSIR-Institute of Minerals & Materials Technology, Bhubaneswar, Odisha, India.