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St. JOSEPH'S COLLEGE OF ENGINEERING
(An Autonomous Institution)
St. JOSEPH'S GROUP OF INSTITUTIONS
OMR, CHENNAI - 119



E-Newsletter

Volume 05 | Issue 2 | May 2025

St. Joseph's College of Engineering Celebrates 26th & 27th Graduation Day with AICTE Chairman as Chief Guest



26 & 27 th Convocation



St. Joseph's College of Engineering, an autonomous institution affiliated to Anna University, proudly celebrated its 26th and 27th Graduation Day on 10th May 2025 at 9:30 AM. The grand ceremony took place on the college campus, honoring the graduating batches of 2023 and 2024.

The event was graced by the presence of Prof. Dr. T.G. Sitharam, Chairman of the All India Council for Technical Education (AICTE), who served as the Chief Guest. In his inspiring address, he encouraged the graduates to contribute meaningfully to society through innovation, ethics, and dedication.



Highlighting academic excellence, Ms. Suryamol from the 2019–2023 batch and Ms. Kaviya Selvi from the 2020–2024 batch, both from the Department of Chemical Engineering, were awarded the Gold Medal for securing first rank in their respective batches. Their outstanding performance was applauded by the gathering. In addition, Mr. Celson and Ms. Kaviya K from the 2019–2023 batch, along with Mr. Praveenkumar V, earned accolades for securing the second rank in the department, marking a proud moment for the Chemical Engineering faculty.



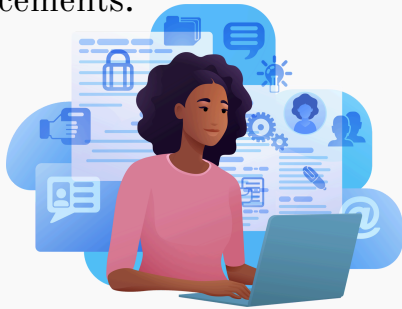
A total of 54 students from the 2019–2023 batch and 46 students from the 2020–2024 batch received their convocation degree certificates during the ceremony. The event was made even more memorable with the presence of proud parents, friends, and family members, who witnessed the joyful milestone in their loved ones' lives.

As part of the St. Joseph's Group of Institutions, which is celebrating 31 years of excellence in education since its establishment in 1994, the graduation ceremony reflected the institution's unwavering commitment to academic excellence and holistic development.



Chemical Core Placement News

The Department of Chemical Engineering at St. Joseph's College of Engineering, OMR, Chennai, proudly congratulates its students from the 2021–2025 batch for their successful campus placements.



Ms. Gowthami, a dedicated student of the department, has been placed as a Graduate Engineer Trainee at Hubert Enviro Care Systems Pvt. Ltd. (HECS) with an annual package of ₹3 Lakhs. Her accomplishment reflects both her academic dedication and the college's consistent commitment to quality education and industry readiness.

HECS

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DEPARTMENT OF CHEMICAL ENGINEERING

CONGRATULATES

Got Placed as
Graduate Engineer Trainee
at
HECS
HUBERT ENVIRO CARE SYSTEMS P LTD

PACKAGE OF 3 Lakhs

GOWTHAMI

BATCH 2021-25

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DEPARTMENT OF CHEMICAL ENGINEERING

Congratulates

WITH A PACKAGE OF 2 LAKH PER ANNUM

SANTHOSH V

Tagros

BATCH 2021-25

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Another proud moment comes with the placement of Mr. Santhosh V, who has been selected by Tagros Chemicals with an annual package of ₹2 Lakhs. His achievement highlights the growing demand for skilled chemical engineering graduates from the institution.

The college, recognized for its autonomous status and disciplined academic culture, continues to produce industry-ready graduates, reaffirming its position as a premier engineering institution in Tamil Nadu.

Department staffs along with the Head of the Department extended their heartfelt congratulations to the placed students and wished them a bright and successful career ahead.

Department Toppers Shine with 8.5+ CGPA



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CONGRATULATES

TOPPERS SECURED 8.5 CGPA AND ABOVE TILL VIII SEMSTER

9.51 SAMIHA S	9.43 VIJAYDHEESHA V	9.12 GOKUL R	8.96 LINGA DHARANI V	8.91 SHANMUGAPRIYA T J
8.85 SUBASH S	8.84 ISHANA KARAN	8.82 SHABEER AHAMED N	8.77 CHARUMATHI N	8.77 SABARIGIRISH S
8.76 SHIVANESH S P	8.73 KAVYA S	8.73 KIRUBA H	8.72 NABIN SUDHAR N	8.71 SARAN S
8.7 DHARANI R	8.7 DINESH ARAVIND V	8.6 UDHAYASHAMINI K	8.59 PREM KUMAR M	8.59 PADMASRI M N
8.56 VENKAT A	8.56 KESHOKE A	8.5 SURIYAPRAKASH S	8.5 SUBHASHINI K	8.5 HEMACHANDRAN S

* BATCH 2021-2025 *



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St. Joseph's College of Engineering, a premier autonomous institution in Chennai, has proudly recognized the outstanding academic achievements of its Chemical Engineering students from the 2021–2025 batch. The Department of Chemical Engineering celebrated a remarkable milestone as 25 students secured a CGPA of 8.5 and above up to their eighth semester.

This recognition ceremony, held under the department's banner, showcased the institution's commitment to academic excellence and discipline. Leading the group was Samiha S, who topped the list with an impressive 9.51 CGPA, followed closely by Vijaydheesha (9.43) and Gokul R (9.12). Other top performers of each demonstrating dedication and academic prowess throughout their course.

The college administration, faculty members, and peers commended the students for their consistent efforts, perseverance, and commitment to excellence. The achievement reflects the high standards of education and support provided by the institution, as well as the tireless efforts of students.



Student Projects Secured Funding from TNSCST



TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்



The Department of Chemical Engineering at St. Joseph's College of Engineering, OMR, Chennai, proudly congratulates its students for their remarkable achievement in securing project grants under the Tamil Nadu State Council for Science and Technology (TNSCST) Student Project Scheme.

Project 1

Removal of Trace Elements from Waste Water

Students: Naresh and Kathiravan (Batch: 2021–2025)

Mentor: Dr. N. Magesh, Assistant Professor, Department of Chemical Engineering

Project Title: Removal of trace elements from waste water with degradable novel bioadsorbent

Project Grant: ₹7500

This innovative project focuses on developing sustainable solutions for wastewater treatment using environmentally friendly bioadsorbents, contributing to clean water technologies.

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For Project Approved under
TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்
Student Project Scheme

Project Grant Received : Rs 7500

Removal of trace element from waste water with degradable novel bioadsorbent

Naresh 2021-25

Kathiravan 2021-25

Mentor
Dr. N. Magesh
Assistant professor
Department of Chemical Engineering

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Student Project Scheme

Project Grant Received
Rs 7500

Extraction of Pectin from wild Lemon

Mentor
Dr. S. Vinod Kumar
Associate Professor
Department of Chemical Engineering

Students
Mr. Pranav J Mr. Dhanush M
Mr. Vigneshwara S Mr. Ranjith Kumar S
2021-25

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Project 2

Extraction of Pectin from Wild Lemon

Students: Pranav J, Vigneshwara S, Dhanush M, Ranjith Kumar S (Batch: 2021–2025)

Mentor: Dr. S. Vinod Kumar, Associate Professor, Department of Chemical Engineering

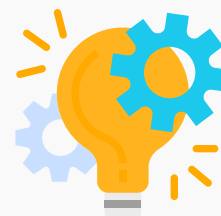
Project Title: Extraction of Pectin from Wild Lemon

Project Grant: ₹7500

This project explores natural resource utilization by extracting valuable pectin from wild lemon, showcasing a blend of innovation and sustainability.

Both projects align with UN Sustainable Development Goals, particularly in Quality Education (Goal 4) and Clean Water and Sanitation (Goal 6). These achievements are a testament to the department's dedication to research excellence and innovation.

Congratulations to all the students and mentors for bringing laurels to the department and the institution!



Chemical Engineering Students Secure Prestigious Internships

The Department of Chemical Engineering at St. Joseph's College of Engineering, OMR, Chennai, proudly congratulates its students from the 2022–2026 batch for securing one-month internships at some of India's most prestigious organizations. These remarkable achievements highlight the college's commitment to academic excellence and industry readiness.



Chennai Petroleum Corporation Limited (CPCL)
Eight students have secured internships with CPCL, a leading player in the Indian petroleum sector:

Hari Balaji P V
Jasper J
Kamatchinadhan N
Narendran V
Krishna A A K
Sabin M
Tejashwin V P
Aron Jeslin J



Neyveli Lignite Corporation India Limited (NLC)
Thirteen students were selected for internships at NLC India Limited, a Navratna PSU known for its contributions to lignite mining and power generation:

Aatral Arasu S M
Anitha V
Jawahirullah F
Jeyovin J
Maria Amrita E
Sandeep K
Sanjay S
Santhosh K J
Suthir K
Vivekka Jeya Sri U G
Vivesh S



Indira Gandhi Centre for Atomic Research (IGCAR)
Three students earned internship opportunities at IGCAR, a premier nuclear research facility under the Department of Atomic Energy:

Devika P E
Lakeisha S
Manohari A U



Tamilnadu Petroproducts Limited

Three more students secured internships at Tamilnadu Petroproducts Ltd, known for its role in the manufacturing of industrial chemicals:

Dynisha D
Tharaneshwar R
Thanushri M



These internship opportunities provide valuable exposure to real-world industrial operations, research, and innovation. The department faculty and management have extended their heartfelt congratulations to all selected students and expressed confidence that these experiences will significantly enhance their professional and academic journeys. ❖❖



NPTEL Achievements – Jan to May 2025



NPTEL
National Programmes on Technology
Enhanced Learning

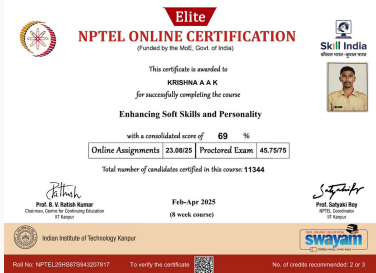


We are proud to share the excellent performance of our students in the NPTEL (National Programme on Technology Enhanced Learning) courses during the January to May 2025 semester. Their success reflects their dedication to continuous learning and upskilling beyond the classroom.

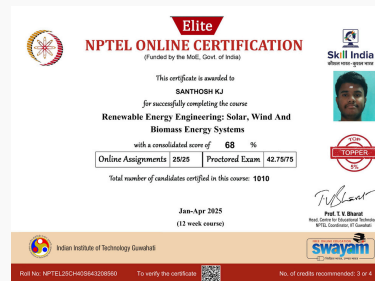
Elite Certification Achievers – Third Year Students

A total of 14 students from the third year have earned Elite Certificates, which are awarded to those who secure a score of 60% and above in NPTEL courses.

Elite Certificate Holders:



Aatral
Dynisha
Hari Balaji
Kaviamuthan
Krishna
Kuperan
Lakeisha
Lithish
Meghasri
Sabin
Santhosh
Srivastan
Tharneshwar



Vishal

In addition to the elite achievers, several other students have also successfully cleared various NPTEL certification courses, adding to the department's legacy of academic excellence.

EXAM!



CEEE Program at IIT Madras



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Congratulations

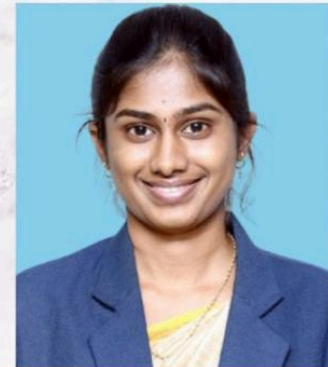


DR. SUJATHA.S

ASSISTANT PROFESSOR

STIPEND
₹ 50,000

@



DR. SIVARANJANEER R

ASSISTANT PROFESSOR

**Shortlisted for Centre for Engineering Education Excellence
(CEEE) Program**



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The Department of Chemical Engineering at St. Joseph's College of Engineering, OMR, Chennai, is proud to announce that two of its esteemed faculty members, Dr. Sujatha S and Dr. Sivarajaneer R, have been shortlisted for the Centre for Engineering Education Excellence (CEEE) Program conducted by the Indian Institute of Technology Madras (IIT-M).

This prestigious recognition comes with a stipend of ₹50,000 and is aimed at empowering engineering educators with innovative teaching methodologies and enhanced pedagogical skills.

Their selection for the CEEE Program is a testament to their dedication to quality education, in alignment with the United Nations Sustainable Development Goal 4 – “Quality Education.”



NPTEL - Staff

Dr. N. Venkatesh, Professor and Head of the Department of Chemical Engineering, has successfully completed Four high-level NPTEL courses, reinforcing his commitment to academic excellence and continuous learning. These achievements further strengthen the department's academic foundation and inspire both faculty and students alike.

Dr. Venkatesh completed the following NPTEL courses with distinction:

Basic Principles and Calculations in Chemical Engineering (Jan–Apr 2025, 12-week course)

Score: 96/100

Performance: Top 2% of participants nationwide

Chemical Process Utilities (Jan–Apr 2025, 12-week course)

Score: 90/100

Performance: Among top-performing learners with exemplary consistency



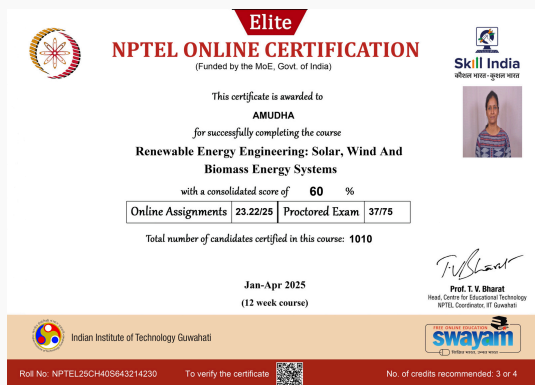
Engineering Thermodynamics (Jan–Mar 2025, 8-week course)

Score: 70/100

Financial Mathematics (Jan–Apr 2025, 12-week course)

Score: 84/100

Well above national average, demonstrating deep understanding in core engineering subjects. These certifications, awarded by the National Programme on Technology Enhanced Learning (NPTEL), are recognized nationwide and reflect rigorous evaluation standards. Dr. Venkatesh's dedication to upskilling ensures that the department remains aligned with evolving academic and industry trends, particularly in foundational chemical engineering subjects.



Dr. Amudha, Assistant Professor in the Department of Chemical Engineering at St. Joseph's College of Engineering, has successfully completed the NPTEL online certification course titled "Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems." This 12-week course, conducted from January to April 2025 by the Indian Institute of Technology Guwahati, is a part of the Ministry of Education's SWAYAM initiative.

Dr. Amudha earned an Elite certificate with a consolidated score of 60%, comprising 23.22 out of 25 in online assignments and 37 out of 75 in the proctored examination. Her dedication to continuous learning and upskilling in the field of sustainable and renewable energy technologies highlights her commitment to academic excellence and environmental responsibility.

Staff - Achievement



Dr. Amudha Thanarasu,
Assistant Professor
Department of Chemical Engineering,
St. Joseph's College of Engineering,

Dr. Amudha Thanarasu, Assistant Professor in the Department of Chemical Engineering at St. Joseph's College of Engineering, has co-authored a significant research paper titled "A method to remove heavy metals from wastewater by modifying the surface of a PVDF membrane using chitosan and PANi and assessing it using the Hermia model." This paper was published in the prestigious International Journal of Biological Macromolecules (Elsevier, Volume 316, 2025).

The study focuses on the development of an innovative membrane technology for the efficient removal of heavy metals like lead and cadmium from industrial wastewater. By modifying polyvinylidene fluoride (PVDF) membranes with chitosan (a biopolymer) and polyaniline (PANi, a conducting polymer), the research demonstrated up to 95% removal of heavy metals, a significant improvement compared to the 15% efficiency of unmodified membranes. The International Journal of Biological Macromolecules currently holds an **Impact Factor of 7.7**, as reported in the 2023 Journal Citation Reports.

Regarding its quartile ranking (Q value), the journal is classified as Q1 in the following subject categories:

Biochemistry & Molecular Biology: Ranked 34th out of 313 journals

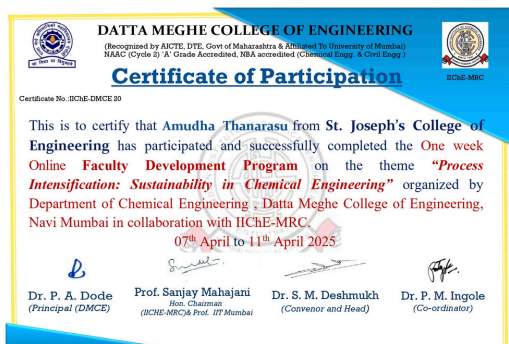
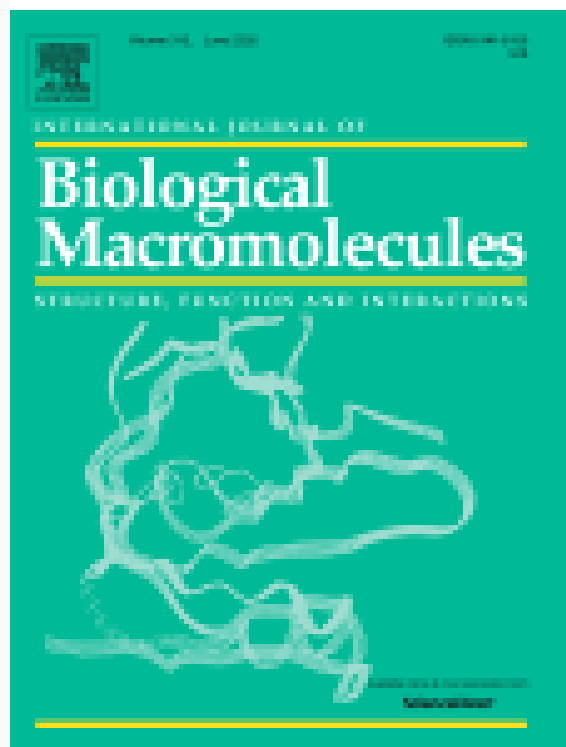
Chemistry, Applied: Ranked 6th out of 74 journals

Polymer Science: Ranked 6th out of 95 journals

Journal
These rankings indicate that the journal is positioned within the top 25% of journals in these fields, reflecting its high standing and influence in the scientific community.



ELSEVIER



In addition to her research contributions, Dr. Amudha successfully completed a One Week Online Faculty Development Program on the theme "Process Intensification: Sustainability in Chemical Engineering" from 7th to 11th April 2025. The FDP was organized by the Department of Chemical Engineering at Datta Meghe College of Engineering, Navi Mumbai, in collaboration with IICHE-MRC. The program focused on sustainable practices and intensification strategies in chemical processes, further enhancing her expertise in green technologies.

Staff - Industrial Visit



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Attended
Research and Innovation Conclave

Organized by

TANSAM, AIT (Asian Institute of Technology), TIDCO, TICEL

On 05.05.2025
TICEL, Biotech Park, Taramani

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Dr. S. Vinod Kumar, Associate Professor, and Dr. N. Magesh, Assistant Professor from the Department of Chemical Engineering, St. Joseph's College of Engineering, actively participated in the Research and Innovation Conclave held on 5th May 2025 at TICEL Biotech Park, Taramani.

The conclave, themed "Building Collaborative Pathways for Future Technologies," was organized by prominent institutions including TANSAM, Asian Institute of Technology (AIT), TIDCO, and TICEL. The event aimed to foster innovation, enhance research collaboration, and explore emerging technologies relevant to industry and academia.

The program included expert talks, networking sessions, and facility tours, offering valuable insights into cutting-edge biotech infrastructure and fostering interdisciplinary knowledge exchange. The participation of our faculty reflects the department's commitment to continuous professional development and collaboration with global research platforms.



